The PAS Welcomes the Alliance and Affiliate organizations who meet or co-host programming with the PAS/ASPR Joint Meeting.

**ASPN** American Society of Pediatric Nephrology  
**ASPR** Asian Society for Pediatric Research  
**APPD** Association of Pediatric Program Directors  
**CNS** Child Neurology Society  
**Child Health Transitional Research Committee**  
**FOPO** Federation of Pediatric Organizations  
**IPHA** International Pediatric Hypertension Association  
**ISCHE** International Society for Children’s Health and Environment  
**JPS** Japan Pediatric Society  
**MOD** March of Dimes Foundation  
**NASPGHAN** North American Society for Pediatric Gastroenterology, Hepatology and Nutrition  
**PES** Pediatric Endocrine Society  
**PIDS** Pediatric Infectious Diseases Society  
**PGPR** Programme for Global Paediatric Research  
**SAHM** Society for Adolescent Health and Medicine  
**SDBP** Society for Developmental and Behavioral Pediatrics

**Sponsorship Honor Roll**

The Pediatric Academic Societies would like to thank the following sponsors that have committed support for educational programs and activities during the 2014 PAS/ASPR Joint Meeting

**PEDIATRIC ACADEMIC SOCIETIES**  
**Abbott Nutrition** Perinatal Nutrition & Metabolism Club  
NICU Club  
SPR Regional Societies Meeting  
**Children’s of Alabama / UAB Medicine** Schedule at a Glance  
**Children’s Hospital of Wisconsin** Meeting Tote Bags  
**Cornerstone Therapeutics Inc.** Lung Club  
**Discovery Labs, Inc.** Directors of Research in Pediatrics Session  
**Innara Health** Neonatal Feeding Club  
**International Pediatric Research Foundation** Why Are Health Outcomes for Children and Youth Lower in the US Than in Our Peer Nations?  
The Promise of Pharmacogenomics in Child Health  
**Mead Johnson Nutrition** PAS Travel Grants  
APS/SPR Medical Student Research Program  
APS ~ Support for Pediatric Scientist Development Program  
**Medela, Inc.** Nursing Mother’s Lounge  
**Pediatric Research Foundation** Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies in Human Infants  
Top-Down “Big” vs. Investigator-Initiated “Small” Science: Controversies and Implications for Pediatric Research  
**Sidra Medical & Research Center** Meeting at a Glance – Pocket Program Guide

**CHILD CARE**  
Support by the following Departments of Pediatrics:  

**GOLD Sponsorship**  
Cincinnati Children’s Research Foundation  
Connecticut Children’s Medical Center  
Mattel Children’s Hospital, UCLA  
Mayo Clinic Children’s Center  
Nationwide Children’s Hospital, The Ohio State University  
Stanford University School of Medicine  
University of Colorado School of Medicine  
University of Utah

**SILVER Sponsorship**  
St. Louis Children’s Hospital and Washington University School of Medicine  
Vanderbilt University School of Medicine

**BRONZE Sponsorship**  
USF Health  
Wayne State University School of Medicine  
Yale University School of Medicine

**Have You Heard?**

The PAS is pleased to announce the PAS Mobile App for the Vancouver Meeting!

This cross-platform, native app will offer a truly digital experience for our meeting attendees, with features such as:

- Abstract presentation information  
- Create a Schedule  
- Real-time alerts  
- Colleague networking  
- Maps  
- And more...

Photo Credit: Tourism Vancouver

Cover Photos Credit: Tourism Vancouver
He’d like to give you the chance to help save his life.

To learn about the array of career opportunities at Children’s Healthcare of Atlanta, meet our physicians and investigators at Booth 822. Or attend our Faculty, Alumni and Friends Reception on Saturday, May 3, at 8 p.m. at the Fairmont Waterfront Vancouver, Malaspina Room. To search online visit choa.org/researchjobs.
ONLINE EDUCATION IN GLOBAL PEDIATRICS

Introducing G-PEDS, a 28-hour CME-eligible online course that will prepare you to provide pediatric care in low-resource international settings. Produced and vetted by experts in global health, and available for individual or program use. Because global child health requires global pediatricians.

www.globalpeds.umn.edu/gpeds
When a child has a heart ailment, parents want the best treatment available. Seattle Children’s Heart Center is internationally known for treating children and young adults—with top rankings in national surveys. Whether treating a minor heart murmur or performing a complicated heart transplant, skilled doctors, nurses and staff are dedicated to healing patients and comforting families. We can even identify heart defects in unborn babies and develop prenatal treatment plans. Our Heart Center provides care for patients throughout the Pacific Northwest and Alaska. To learn more, visit seattlechildrens.org/heart.

One of the nation’s best pediatric heart centers. In one of America’s best pediatric hospitals.
PAS / ASPR OPENING POSTER RECEPTION  
Saturday, May 3  
1:15pm–2:30pm

PAS / ASPR OPENING GENERAL SESSION  
Saturday, May 3  
5:00pm–6:30pm

RUN FOR PEDIATRIC RESEARCH 2014  
(Advance Registration Required)  
Sunday, May 4  
7:00am–Queen Elizabeth Park / Half Marathon  
8:00am–Queen Elizabeth Park / Full Marathon  
9:30am–Stanley Park / 8K

APS PRESIDENTIAL PLENARY AND AWARDS  
Sunday, May 4  
10:15am–11:45am

APS PROGRAM DAY  
Sunday, May 4

AAP PRESIDENTIAL PLENARY AND SILVERMAN LECTURE  
Sunday, May 4  
12:30pm–4:00pm

SPR PRESIDENTIAL PLENARY AND AWARDS  
Monday, May 5  
10:15am–12:15pm

APA PRESIDENTIAL PLENARY AND ARMSTRONG LECTURE  
Monday, May 5  
1:30pm–5:15pm
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Dear Colleagues,

Welcome to the 2014 PAS meeting!

Welcome to Vancouver and the 2014 meeting of the Pediatric Academic Societies. The PAS consists of four sponsoring societies: The American Pediatric Society, the Society for Pediatric Research, the Academic Pediatric Association, and the American Academy of Pediatrics. In conjunction with our partners from the Asian Society for Pediatric Research as well as affiliate organizations, a broad ranging program of invited and submitted science that addresses many areas of pediatric investigation has been assembled and is sure to expand your personal horizon.

You will hear presentations from internationally renowned scientists on a wide array of topics, hear the latest in original research, gain “hands-on” experience in workshops, share experiences in special interest groups, honor the achievements of young investigators and more senior esteemed pediatricians, and share and network with colleagues and friends. Over 7000 pediatricians, research scientists, health care providers and policy makers from around the world will attend the meeting. The original science sessions constitute the heart of the meeting. A record number of abstracts were submitted this year and numerous platform sessions and four large poster sessions are distributed over the four-day meeting.

With so much happening how will you find what is important to you? Use the “Topic Tracks” that are displayed in the front pages of the program. This year there will be a brand new meeting App to help you find your way. You can also check the meeting website to look up topic tracks. Join me on Saturday afternoon at 5:00 pm at the opening general session and listen to Dr. Chris Elias, President of Global Development with the Bill and Melinda Gates Foundation deliver the keynote address. Also at the opening session, Dr. Lewis First will receive the Joseph W. St. Geme, Jr. Leadership Award. The Presidential and New Member reception will follow immediately after the opening session.

Of course there is much more to do than attend scientific sessions. Introduce yourself to new colleagues especially new members and fellows. Then introduce them to your old friends. Attend the poster sessions and in particular, engage the young investigators in thoughtful discussion. Enjoy the alumni receptions, dinner with friends and see some of the sights in this beautiful city.

I look forward to seeing you in Vancouver.

D. Michael Foulds M.D. FAAP
PAS Program Committee Chair, 2014
Dear Colleagues,

We are welcome you all to the PAS/ASPR 2014 Joint Meeting in the Vancouver Convention Centre from May 3-6 2014. The PAS/ASPR Joint Meeting has been held every three years. The past two PAS/ASPR Joint Meetings in Honolulu and Denver were very successful and contributed to share ideas with PAS members for the future of child health and pediatric research. This third Joint Meeting will be the last co-joint meeting with the PAS and we wish you not to miss the opportunity for attending. We greatly appreciate your participation as a member of the ASPR/PAS alliance societies to the PAS/ASPR Joint Meeting in Vancouver. We will have 6 ASPR-independent and 4 PAS/ASPR Joint Symposia in Vancouver where ASPR delegates present their updated data. In addition, outstanding pediatricians will deliver high standard instructional lectures. Together with other meeting programs, the Joint Meeting provides information on almost all key aspects of pediatric field. We are sure that these programs promote your research and bring benefit to clinical care for children.

Vancouver is located in the west coast of Canada, between snow-capped Rockies and the Pacific Ocean. It is one of the ideal venues flying in from all Asian regions. Vancouver is famous for its beautiful scenery and mild climate. The Vancouver Convention Centre, the venue, has 72 meeting rooms and huge exhibit space. It is built over land and water and you enjoy harbor and mountain views from inside. Vancouver can also offer every kind of accommodations you desire.

We hope that this meeting will be productive and you all enjoy sharing pleasant time together.

Thank you.

Keiichi Ozono, M.D., Ph.D.
President 10th Congress of Asian Society for Pediatric Research
Target Audience
Physicians and researchers in pediatric, adolescent, and family medicine
Students engaging in pediatric research

Statement of Need
Research and technology are changing rapidly in medicine, and it is important for physicians and healthcare professionals to critically evaluate emerging developments. The Pediatric Academic Societies’ Annual Meeting is a unique scientific forum because it provides an opportunity for representatives from many areas of pediatrics to collaborate, exchange findings and share ideas that propel the future of child health. Participation provides added value and strength to the participating societies by augmenting the research agenda for children, supporting scientific quality and policy initiatives, and furthering the well-being of children throughout the world.

Physicians and healthcare professionals in pediatrics need to increase their competence in discerning which of the emerging research and technologies are applicable to their patient populations. Discussions and debates on these emerging data stimulate the development of new guidelines, appropriate criteria and evidence-based changes in pediatric research and practice improvements in patient care.

Learner Objectives
At the conclusion of this educational activity, the participants should be better able to:

• Summarize the emerging research within the pediatric academic specialties as it pertains to possible changes in research directions and applications.
• Critically evaluate the evidence emerging within the pediatric academic community as it applies to recommendations for physician change.
• Compare and contrast multiple research approaches and reported results in pediatric academic research and practice.
• Identify key research and evidence-based practices which suggest additional investigations may be indicated.
• Examine optimal strategies for clinical investigation and transmission of clinical research results.
• Assess current innovative tools for teaching and practicing medicine.

Predicted Outcomes
Predicted Changes in Practice as a result of participating in this activity include the ability to…

• Present and communicate new research findings to peers within the parameters of respectful scientific discourse.
• Translate new information and findings from basic and clinical research into professional skills and performance improvement.
• Apply the appropriate emerging evidence-based research and technology to practice.
• Design and/or modify strategies to implement the appropriate innovations and technology in practice.
• Choose one guideline change in practice and/or research and conduct a self-assessment to determine adherence to the suggested practice protocol.
• Include opportunities for increased basic science and clinical research in the medical education curriculum.
• Improve basic and clinical research in multiple subspecialty areas.
• Engage in research stimulated by the emerging body of evidence.
• Implement new tools for teaching and practicing medicine.

Physician Competencies
This activity will address the competencies identified by the American Board of Medical Specialties which are designed to demonstrate evidence of a physician’s commitment to lifelong learning and practice improvement: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, and Systems-Based Practice, as well as the competencies identified by the Institute of Medicine: Provide patient-centered care; Work in interdisciplinary teams; Employ evidence-based practice; Apply quality improvement; and Utilize informatics.

Accreditation
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Tulane University Health Sciences Center and the Pediatric Academic Societies. Tulane University Health Sciences Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation
Tulane University Health Sciences Center designates this live activity for a maximum of 41.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAP CME/CPD Credit
This continuing medical education activity has been reviewed by the American Academy of Pediatrics and is acceptable for a maximum of 41.25 AAP credits. These credits can be applied toward the AAP CME/CPD Award available to Fellows and Candidate Members of the American Academy of Pediatrics.

Ethics Credit
Sessions that may qualify for ethics credit for state licensure requirements are listed below:

1615 Ethics in the Conduct of Clinical/Basic Research
2022 Academic Careers in Bioethics: From the Margin to the Mainstream
2115A PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data
2210A Ethical Dilemmas in Pediatric Nephrology: A Case-Based Approach
3160 Clinical Bioethics
3465A Bioethics Interest Group
3510 Ethical Challenges Conducting Research in Newborns to Better Define Standard of Care: Lessons from SUPPORT
4236 Ethics
Disclosure Policy

It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME® Essential Areas and Policies to ensure balance, independence, objectivity and scientific rigor. In accordance with the ACCME® Standards for Commercial Support, everyone who is in a position to control the content of an educational activity certified for AMA PRA Category 1 Credit™ is required to disclose all financial relationships with any commercial interests within the past 12 months that creates a real or apparent conflict of interest. Individuals who do not disclose are disqualified from participating in a CME activity. Individuals with potential for influence or control of CME content include planners and planning committee members, authors, teachers, educational activity directors, educational partners, and others who participate, e.g. facilitators and moderators. This disclosure pertains to relationships with pharmaceutical companies, biomedical device manufacturers, biotech firms, or other commercial interests as defined by the ACCME®. Any real or apparent conflicts of interest related to the content of the presentations must be resolved prior to the educational activity. Disclosure of off-label, experimental or investigational use of drugs or devices must also be made known to the audience.

Disclosures of planners, reviewers, abstract selection committee, speakers, moderators and staff will be available in April 2014 on the PAS website at www.pas-meeting.org.

Tulane University Health Sciences Center and the Pediatric Academic Societies present this activity for educational purposes only and do not endorse any product, content of presentation, or exhibit. Participants are expected to utilize their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters who have been selected because of their recognized expertise. Tulane University Health Sciences Center and the Pediatric Academic Societies have made every effort to present the program schedule as accurately as possible from information available at the time of printing. We reserve the right to make changes and adjust the number of credits if necessary.

Procedures for Evaluation and requesting AMA PRA Category 1 Credits™

An electronic survey will allow you to provide your evaluation of this educational activity in addition to requesting your AMA PRA Category 1 Credits™. You will receive the link to the Evaluation and Credit Verification Form in your Email Inbox on Tuesday, May 6, 2014. The email will be sent by Tulane University Center for Continuing Education (cme@tulane.edu) and the subject line will state “2014 Pediatric Academic Societies Evaluation and Credit Verification.” If you have not received the email from Tulane by Wednesday, May 7, 2014, please contact cme@tulane.edu.

To receive the appropriate number of AMA PRA Category 1 Credits™ it is important to do the following:

- Track the CME-certified sessions that you attend using the list of sessions located on page 385.
- Complete the emailed evaluation survey and credit verification form by Sunday June 1, 2014.
- Certificates of Credit or Attendance will be sent via email by Tuesday, July 15, 2014.
- Original requests for a certificate of credit or attendance from the 2014 meeting will not be processed after May 1, 2015. Duplicate certificates may be requested at any time.
Meeting Services Information

Vancouver Convention Centre
The Vancouver Convention Centre is the site for the 2014 PAS, ASPR, ASPN, PES and PIDS Meetings and Exhibition. The Vancouver Convention Centre offers one of the most beautiful settings in the world boasting a harbour front location and breathtaking views. An icon on the downtown waterfront, the centre is centrally located, surrounded by ocean and mountains, and perfectly balanced by a vibrant, urban downtown inhabited by world-class restaurants, hotels and shopping. The award-winning Vancouver International Airport (YVR) is only thirty minutes away.

Vancouver Convention Centre
1055 Canada Place
Vancouver, British Columbia V6C 0C3, Canada

How to Use the 2014 PAS Program Guide
General information about the meeting, continuing education and on-site services begins on page 6.
A Meeting-at-a-Glance begins on page 34. Referring page numbers and room locations are reflected on this schedule.
A Comprehensive track by area of interest is located on page 50. This mobile app is a great tool to identify programming relevant to subspecialty/topic interest and navigate the busy meeting. Visit Abstracts2View for full text abstracts.
Daily programming begins on page 75 and is in chronological order by date and time. Course Codes have been assigned to most programming. The first number of the course code represents meeting days as noted below.

Course Numbering Key
0000-0999 Prior to Meeting – Friday, May 2
1000-1999 Day 1 – Saturday, May 3
2000-2999 Day 2 – Sunday, May 4
3000–3999 Day 3 – Monday, May 5
4000–4999 Day 4 – Tuesday, May 6

Alliance and Affiliate programming begins on page 300.
Abstracts being presented with a trainee as the first author (student, house officer or fellow) are asterisked. Abstracts2ViewTM indicates their status (student, house officer, fellow).
Exhibitors listing, hotel locator and facility maps, and a faculty index are all located toward the back of the program guide beginning on page 383.

Mobil App
The PAS is pleased to announce the PAS Mobile App for the Vancouver Meeting! Download the app now!
This cross-platform, native app will offer a truly digital experience for our meeting attendees, with features such as:

• Abstract and session information
• Create a Schedule
• Real-time alerts
• Colleague networking
• Maps
• And more…

Please visit the PAS Meeting site at http://www.pas-meeting.org for more information, scan the QR code or follow us on:

Abstracts2ViewTM
Valuable tools that save time! The entire PAS/ASPR program is available online before the meeting at www.pas-meeting.org. Create a personalized itinerary, search on areas of interest, tag important events, resolve schedule conflicts and print an itinerary. This is a practical aid to reading and reviewing abstracts before and after the meeting. Abstracts2View™ permits you to download a PDF, to a PDA, or add an itinerary to Outlook. Links and instructions are available through the Abstracts-on-Line link at www.pas-meeting.org. Visit our website after April 15th to plan your personalized PAS itinerary online!

Abstract Publication
Abstracts are published in electronic format only. Visit the PAS website www.pas-meeting.org for complimentary availability to Abstracts2ViewTM. For purposes of citation, please use E-PAS2014: followed with your Publication number. Example: E-PAS2014.0000.

Alliance and Affiliate Organizations
The PAS welcomes organizations and clubs who meet or co-host programming during the Annual Meeting. Together we share a common interest about the importance of children’s health, today and in the future. Attendance is open; however, some require a registration fee separate from the PAS. Refer to the section on alliance and affiliate programming beginning on page 300 for general information and program details specific to each organization.

Alumni, Committee and Other Activities
The PAS is the site for various committees, gatherings and receptions. The Pan Pacific Vancouver, Fairmont Waterfront Vancouver, Sheraton Vancouver Wall Centre, Hyatt Regency and Fairmont Hotel Vancouver hotels will
serve as locations for related activities. Refer to the Alumni Gatherings and Related Activities schedule beginning on page 366 for a list of activities that have been scheduled officially through the PAS.

**Annual Meeting Participation Policies / Disclaimer**

PAS and its contractors may be photographing scientific sessions and events at the Annual Meeting. By attending the PAS Annual Meeting, attendees acknowledge these activities and agree to allow their image to be used by PAS in association publications, on the PAS Website, and in marketing and promotional materials. Attendees at the Annual Meeting waive all claims against PAS for any liability resulting from these uses.

Only official contracted PAS vendors and working journalists with PAS approved press credentials will be permitted to photograph, video and/or audio-tape presentations, sessions or exhibit hall posters during the PAS. Individuals recording with personal video/audio equipment or other recording devices (i.e. cell phones, digital or film cameras or tape recorders) without prior permission from PAS and the author, or without proper credentials will be asked to cease recording immediately.

**Attendees with Disabilities**

The Pediatric Academic Societies wishes to ensure that individuals with disabilities are not excluded, denied services or segregated because of the absence of auxiliary aids and services. If you are in need of auxiliary aids or services, please contact us at info@pas-meeting.org.

Scooter and wheelchair rentals are available by contacting Scootaround Inc. toll-free at 888-441-7575. You can also submit a rental inquiry on the web at www.scootaround.com or by fax at 204-478-1172.

**Badge and Ribbon Designations**

Badges will not be mailed in advance of the meeting. There will be on-site kiosks set-up to print your badge and pick up your program upon arrival at the Vancouver Convention Centre. All attendees are required to register and wear their badge when attending activities at the Vancouver Convention Centre.

Special designations for various awardees, leaders and special guests are recognized through ribbons/badges. Ribbons are available at the information desk.

**BADGE DESIGNATIONS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Badge Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Member: APS, SPR, APA, AAP, ASPN, ASPR, PES, PIDS</td>
</tr>
<tr>
<td>Guest</td>
<td>Not a member of the societies above</td>
</tr>
<tr>
<td>Trainee</td>
<td>Student, Resident or Fellow</td>
</tr>
<tr>
<td>Allied Health</td>
<td>Non-Doctoral (RN, NNP, PharmD, RRT, Lab Tech, etc.)</td>
</tr>
<tr>
<td>Exhibitors</td>
<td>Badge Holder with Exhibitor Stripe</td>
</tr>
<tr>
<td>Family</td>
<td></td>
</tr>
</tbody>
</table>

**RIBBONS**

<table>
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<tr>
<th>Category</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Award Recipients</td>
<td>Maroon</td>
</tr>
<tr>
<td>Contributors/Sponsors</td>
<td>Red</td>
</tr>
<tr>
<td>Discussants/Poster Facilitators</td>
<td>Green</td>
</tr>
<tr>
<td>Howland Past Awardees (APS)</td>
<td>Yellow</td>
</tr>
<tr>
<td>Media</td>
<td>Orange</td>
</tr>
<tr>
<td>Meeting Staff</td>
<td>Yellow</td>
</tr>
<tr>
<td>Newly Elected Members (APS/SPR/APA/AAP)</td>
<td>Navy</td>
</tr>
<tr>
<td>Officers, Council, Board or Program Committee Members</td>
<td>White</td>
</tr>
</tbody>
</table>
Child Care Sponsors

*The 2014 Child Care Program is graciously supported by an unrestricted educational grant from the following Departments of Pediatrics and Teaching Hospitals:*

**GOLD Sponsorship**
- Cincinnati Children’s Research Foundation
- Connecticut Children’s Medical Center
- Mattel Children’s Hospital, UCLA
- Mayo Clinic Children’s Center
- Nationwide Children’s Hospital/The Ohio State University
- Stanford University School of Medicine
- University of Colorado School of Medicine
- University of Utah

**SILVER Sponsorship**
- St. Louis Children’s Hospital and Washington University School of Medicine
- Vanderbilt University School of Medicine

**BRONZE Sponsorship**
- USF Health
- Wayne State University School of Medicine
- Yale University School of Medicine

---

**Daily Raffle**

WIN a digital camera, IPOD or PAS meeting registration to attend the 2015 PAS Annual Meeting in San Diego, California!

For a chance to win one of these fabulous prizes, stop by the Raffle Stations inside the Exhibit Hall, the PAS Information Desk, or the PAS Exhibitor Registration Desk each day of the exhibits (Saturday–Monday) to pick up your raffle ticket. Stamp your ticket at each of the 4 Raffle Stations in the Exhibit Hall (see page 383 for the locations). Drop your stamped raffle ticket in the raffle drum located inside the entrance of the PAS Exhibit Hall D. Must be registered for the PAS Annual Meeting to qualify.

---

**Emergency Plan**

For information contact the PAS Program Office prior to your departure or inquire with the PAS Information Desk located on Level 1 in the West Registration Lobby of the Vancouver Convention Centre.

**First Aid / On-Site Medical Staff**

The Vancouver Convention Centre has two fully equipped first aid rooms—East building lobby and the West building Level 100 pre-function area located at the Ballroom A entrance. Both the East and West Facility have an occupational first-aid attendant, trained as a first responder, available during event hours. Dial 7299

**Emergency Phone Numbers:**
- 24-Hour Building Security: 7299
- Public Safety Office: 7299
- First Aid: 7299
- Fire, Medical and Police Emergencies: 7500
- Lost and Found: 7299

**Food Services**

Concessions, cash coffee and refreshments will be available at the Vancouver Convention Centre.

**Green Meeting Efforts**

*Working together to Save our Planet*

**What PAS is Doing…**
- Digital Preliminary Program
- Digital Exhibitor Prospectus and Service Manual
- Mobile App
- Online Meeting Registration
- Onsite badge and program guide pick up
- Reuse/recycle badge holders
- Recyclable materials and increasing digital usage for banners and signs
- Recycled paper for all printed materials

**What Attendees Can Do to Help…**
- Reuse hotel linens rather than daily laundry service
- Turn off the lights, television, air conditioners or heaters when leaving hotel rooms for an extended period of time
- Conserve water

**Hotel Information** (Current as of March 19, 2014)

The hotels listed below are official participating hotels. The proximity of these hotels to Vancouver Convention Centre is indicated on the locator map found on page 387. *Will host allied activities and receptions*
Meeting Services Information

**MEETING HOTELS**

**Century Plaza Hotel & Spa**
1015 Burrard St, Vancouver, BC. V6Z 1Y5
(604) 687-0575

**Coast Coal Harbour Hotel**
1180 West Hastings St, Vancouver, BC. V6E 4R5
(604) 697-0202

**Delta Vancouver Suites**
550 W Hastings St, Vancouver, BC. V6B 1L6
(604) 689-8188

**Fairmont Hotel Vancouver** *
900 W Georgia St, Vancouver, BC. V6C 2W6
(604) 684-3131

**Fairmont Pacific Rim**
1038 Canada Place, Vancouver, BC. V6C 0B9
(604) 695-5300

**Fairmont Waterfront** *
900 Canada Place Way, Vancouver, BC. V6C 3L5
(604) 691-1991

**Four Seasons Hotel Vancouver**
791 W Georgia St, Vancouver, BC. V6C 2T4
(604) 689-9333

**Metropolitan Hotel Vancouver**
645 Howe St, Vancouver, BC. V6C 2Y9
(604) 687-1122

**Marriott Pinnacle Hotel Vancouver**
1128 W Hastings St, Vancouver, BC. V6E 4R5
(604) 684-1128

**Pan Pacific Vancouver** *
999 Canada Place, Vancouver, BC. V6C 3B5
(604) 662-8111

**Renaissance Vancouver Hotel Harbour**
1133 W Hastings St, Vancouver, BC. V6E 3T3
(604) 689-9211

**Residence Inn Vancouver Downtown**
1234 Hornby Street, Vancouver, BC. V6Z 1W2
(604) 688-1234

**Sheraton Vancouver Wall Centre Hotel** *
1088 Burrard St, Vancouver, BC. V6Z 2R9
(604) 331-1000

**The Sutton Place Hotel**
845 Burrard St, Vancouver, BC. V6Z 2K6
(604) 682-5511

**Holiday Inn Hotel Suites Vancouver**
1110 Howe Street, Vancouver, BC. V6C 1R2
(604) 684-2151

**Hyatt Regency Vancouver** *
655 Burrard St, Vancouver, BC. V6C 2R7
(604) 683-123

**Westin Bayshore Vancouver**
1601 Bayshore Dr, Vancouver, BC. V6G 2VR
(202) 661-2400

**Housing Information Desk**

An information counter specifically for housing inquiries is located at the Vancouver Convention Centre on Level 100. The Housing Desk Phone number is 778-331-7635.

**Housing Desk Hours:**

Friday, May 3
12:00pm–7:00pm

Saturday, May 4
8:00am–5:00pm

Sunday, May 5
8:00am–5:00pm

Monday, May 6
8:00am–5:00pm

Tuesday, May 7
8:00am–12:00pm

**Important Phone Numbers**

Housing Desk, West Registration 778-331-7635

Information Desk, West Registration 778-331-7634

Meeting Services Office 778-331-7636

Press Room, Room 101 778-331-7632

Press Room Fax 778-331-7725

**Information Desk**

General meeting information can be obtained at the Vancouver Convention Centre, Level 100. The phone number is 778-331-7634.

**Internet Café**

Located on Level 100 of the Vancouver Convention Centre near Ballroom A. Provides internet messaging capabilities and is open during the scientific program hours. Attendees can send or receive email during the PAS meeting. Messages can also be left by phoning 778-331-7634.

**Lead Retrieval System**

With our Lead Retrieval System, time at the exhibit booths will be spent in interactive dialogue rather than handwriting forms and questionnaires. The barcode attached to your registration badge contains your name, address, email, phone number, specialty, and practice type. The badge facilitates your ability to obtain requested information quickly and accurately so that time spent in the exhibit hall can be more focused and hassle-free.

**Lost and Found**

Lost or found items should be directed to the PAS Information Desk located on Level 100. Every effort is made to identify the owner and return all articles.

**Luggage/Coat Check**

A luggage and coat service will be available at the Vancouver Convention Centre Saturday through Tuesday, Thurlow Street Entrance.

Saturday, May 3
6:45am–6:45pm

Sunday, May 4
6:45am–7:45pm

Monday, May 5
7:45am–7:45pm

Tuesday, May 6
6:45am–2:30pm

**Maps–Hotel and Convention Center**

A Hotel Locator Guide and maps of the Fairmont Hotel Vancouver, Fairmont Waterfront, Pan Pacific Vancouver, Sheraton Vancouver Wall Center, Hyatt Regency Vancouver and Vancouver Convention Centre begin on page 387.
Nursing Credits

Nursing credits are provided through the Academic Pediatric Association. Inquire at the Continuing Education Desk located in the registration lobby for the appropriate form. Provider is approved by the California Board of Registered Nursing, Provider Number CEP 4754, for # 41.25 contact hours. Hours should be claimed based on those hours actually spent in an educational activity.

Nursing Mother’s Lounge

Supported by a grant from Medela, Inc.

Located in room 108 at the Vancouver Convention Centre. The lounge is open during scientific program hours and offers hospital-grade pumps, refrigerated milk storage, and supplies for mothers in a comfortable and private setting.

Saturday, May 3  7:45am–7:00pm
Sunday, May 4  6:45am–8:00pm
Monday, May 5  7:45am–8:00pm
Tuesday, May 6  7:15am–3:00pm

Photos, Video and/or Audio Taping is NOT Permitted

Photos, Video and/or Audio Taping of Posters, Slides or Presentations is NOT Permitted. The use of cameras (including but not limited to cellular phones, film, digital, video taking or image or sound capturing) or audio taping equipment is prohibited anywhere during the Conference without prior permission from the Pediatric Academic Societies and/or the presenting author.

Poster Pick Up (Call4Posters–C4P)

Located in the Exhibit Level Lobby. Poster pick up times are:

Saturday, May 3  7:00am–3:00pm
Sunday, May 4  10:00am–6:00pm
Monday, May 5  10:00am–6:00pm
Tuesday, May 6  6:00am–11:30am

Media Office

Located on Level 100, Room 101. All media should report to the Press Office upon initial arrival. Media representatives, including television crews and reporters, must present working credentials and register in the media office in order to obtain a press pass, which is required for admission to any part of the scientific program and exhibition.

Only official contracted PAS vendors and working journalists with PAS approved press credentials will be permitted to photograph, video and/or audio-tape presentations, sessions or exhibit hall posters during the PAS. Individuals recording with personal video/audio equipment or other recording devices (i.e. cell phones, digital or film cameras or tape recorders) without prior permission from PAS and the author, or without proper credentials will be asked to cease recording immediately.

Participants in the scientific program are encouraged to contact the Press Office when interviews or information are requested by any media outlet. Phone: 778-331-7632 or Fax: 778-331-7725.

Saturday, May 3  7:30am–5:00pm
Sunday, May 4  8:00am–5:00pm
Monday, May 5  8:00am–5:00pm
Tuesday, May 6  8:00am–3:00pm

Program Guide Pick Up

Badges and programs will not be mailed in advance of the meeting. There will be on-site kiosks set-up to print your badge and pick up your program upon arrival at the Vancouver Convention Centre. Program details are available via the PAS Mobile App and are also published on the PAS website.

Public Policy Information

Advocacy & Public Policy Highlights are located on page 74.

Registration & CME Desk Hours

On-site, international, advance, family registration and general information are located on Level 100 of the Vancouver Convention Centre.

Friday, May 2  12:00pm–7:30pm
Saturday, May 3  6:30am–6:30pm
Sunday, May 4  6:30am–7:30pm
Monday, May 5  7:30am–7:30pm
Tuesday, May 6  6:30am–2:00pm

Registration Requirements

PAS registration allows admittance to all PAS, ASPR, ASPN, PES and PIDS scientific session programs and the technical exhibits at Vancouver Convention Centre. Onsite registration is located at the Vancouver Convention Centre on Level 100.

On-site registration fees:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$605</td>
</tr>
<tr>
<td>Guest</td>
<td>$705</td>
</tr>
<tr>
<td>Emeritus (65 and over)</td>
<td>$275</td>
</tr>
<tr>
<td>Trainees (Student, Resident, Fellow in Training-Letter of status required)</td>
<td>$100</td>
</tr>
<tr>
<td>Allied Health Professionals (Non doctoral: RN, NNP, PharmD, RRT, Lab Tech, etc.)</td>
<td>$565</td>
</tr>
<tr>
<td>Family (Non doctoral, no CME)</td>
<td>$ 40</td>
</tr>
<tr>
<td>CME Certificate</td>
<td>No Additional Fee</td>
</tr>
</tbody>
</table>

• No fee required for children less than 17 years of age
• Single-day registration fees or passes are not available

Speaker Ready Room

The Speaker Ready Room is located on Level 200, Room 206/207 at the Vancouver Convention Centre. Attendants are available to answer questions and provide assistance.

Friday, May 2  3:00pm–6:30pm
Saturday, May 3  6:30am–6:30pm
Sunday, May 4  6:30am–6:00pm
Monday, May 5  6:30am–6:00pm
Tuesday, May 6  6:30am–2:00pm

Refer to page 12 for important information on audiovisual presentations.

San Diego – PAS Annual Meeting 2015

Visit the San Diego booth at PAS/ASPR 2014 in the Vancouver Convention Centre to learn more about the amazing attractions that next year’s host city has to offer! San Diego is excited to be hosting the PAS Annual Meeting in 2015!
Meeting Services Information

Verification of Attendance
Certificates of Attendance for advance and onsite registrants may be generated instantly from the PAS website immediately following the meeting.

Wi-Fi Availability at Vancouver Convention Centre
1 day: $19.95 CAD
3 day: $44.95 CAD
5 day: $59.95 CAD

Transportation Systems
Everything you want to do and see in Vancouver is easily accessible - within walking distance, a short drive, quick ferry ride or convenient trip on the local transit system. An integrated transit system offers plenty of options for getting around town. Schedules, route maps, station locations, travel times and connections for every mode of public transit in Metro Vancouver are located online at http://www.translink.ca/en/Schedules-and-Maps.aspx.

Getting to and from Vancouver International Airport
Vancouver International Airport (YVR) is located on Sea Island in Richmond, about 12 km (7.5 mi) from Downtown Vancouver. TransLink’s newest rapid transit line links the Vancouver International Airport (YVR) directly with downtown Vancouver. A trip from YVR to Waterfront Station in downtown Vancouver takes only 25 minutes via the Canada Line: http://www.translink.ca/en/Rider-Info/Canada-Line.aspx

Canada Line
Canada Line is SkyTrain’s newest line and brings rapid rail service to Metro Vancouver linking Downtown to Vancouver International Airport (YVR). Fares are $3.75 one way from airport and takes 24 minutes to get to the last stop which is the “Waterfront” station. That station is directly across the street from the Fairmont Waterfront and Pan Pacific. Ticket vending machines located at SkyTrain stations accept coins (except pennies) & bills (up to $20). Debit & credit cards are accepted at most SkyTrain stations.

Detailed route, fare and schedule information are available online at: http://www.translink.ca/en/Rider-Info/Canada-Line/Map-and-Travel-Times.aspx. Bus schedules are also available at the Airport Customer Service Counters and at the Visitor Information Centres on the Arrivals Level of both terminals.

Canada Line Stop Name: Yaletown - Roudhouse
1. Sheraton Vancouver Wall Centre Hotel (5 minute walk)

Canada Line Stop Name: Vancouver Vancouver City Centre
1. Fairmont Hotel Vancouver (5 minute walk)
2. Four Seasons (5 minute walk)
3. Hyatt Regency Vancouver (5-7 minute walk)
4. Sutton Place Hotel (10 minute walk)

Canada Line Stop Name: Waterfront
1. Delta Vancouver Suites (less than 5 minute walk)
2. Fairmont Waterfront Hotel (5 minute walk)
3. Vancouver Marriott Pinnacle (10 minute walk)
5. Metropolitan Hotel (5-7 minute walk)
6. Pan Pacific Hotel (5 minute walk)
7. Renaissance Vancouver Harbourside (10 minute walk)
8. Westin Bayshore Vancouver (20 minute walk)

Shuttle Service & Local Transportation
A complimentary shuttle will be provided between and the convention center and some of the official hotels operating Saturday-Tuesday during the hours of scheduled programming. Shuttle service will be available for some evening activities. A shuttle schedule will be posted at official PAS hotels and in the registration area of the convention center.

Hotel Shuttle Service to and from Official PAS Hotels
For Special Assistance or shuttle bus questions please call: 1-866-767-3305

* Intervals May be affected by traffic and weather conditions

Saturday, May 3, 2014
6:30am–10:00am 15 Minute Intervals
10:00am–3:00 pm 30 Minute Intervals
3:00pm–7:00pm 15 Minute Intervals

Sunday, May 4, 2014
6:30am–10:00am 15 Minute Intervals
10:00am–3:00 pm 30 Minute Intervals
3:00pm–8:00pm 15 Minute Intervals

*Vancouver Marathon May Cause Significant Delays. Please plan accordingly.

Evening Affiliate Receptions 7:00pm–10:00pm
Shuttles available to Pan Pacific, Fairmont Waterfront, and Hyatt

Monday, May 5, 2014
6:30am–10:00am 15 Minute Intervals
10:00am–3:00 pm 30 Minute Intervals
3:00pm–8:00pm 15 Minute Intervals

Tuesday, May 6, 2014
6:30am–10:00am 15 Minute Intervals
10:00am–2:00 pm 30 Minute Intervals

Route 1 - Blue
Servicing:
1 Hyatt Regency Vancouver
   Board Outside on Dunsmuir
2 Sutton Place Hotel
   Curbside on Burrard
3 Sheraton Wall Centre
   Curbside on Helmcken
Residence Inn
   Board at Sheraton Wall
4 Fairmont Hotel Vancouver
   Board on Burrard St.

Route 2 - Green
Servicing:
1 Westin Bayshore
   Curbside on Cadero

Transportation provided by Callaway Transportation, Inc.
Speaker Ready Room
Vancouver Convention Centre
Room 206/207

Hours:
Friday, May 2 3:00pm–6:30pm
Saturday, – Monday, May 3-5 6:30am–6:00pm
Tuesday, May 6 6:30am–2:00pm

Audiovisual guidelines were communicated to all presenters in advance. To ensure a smooth transition between presentations, it is vital that ALL presenters adhere to the guidelines and the speaker check-in procedures. The PAS provides equipment for PowerPoint type presentations only, except as otherwise noted to presenters of Workshops, Meet the Professor Sessions and APA Special Interest Groups.

Standard Audio-Visual Equipment and Procedures for:
State of the Art Plenary, Topic Symposia, Mini Courses, Hot Topics, Platform & Poster Symposia, ASPN, PES and PIDS symposia presentations:
• Intel Pentium 4 Laptop computer, pre-loaded with all of the presentations for that session
• LCD Data projector and Screen
• Laser pointer
• Presentations for these type of sessions are pre-loaded on the PAS Network Presentation Manager server
• Speaker check-in is required

PAS & Alliance Workshops, APA Special Interest Groups, and PAS Meet the Professor Breakfast Sessions:
• AV aids are not standard and were pre-ordered during submission and onsite changes are strongly discouraged.
• You are required to bring your own computer. The PAS does not provide laptops for these sessions.
• These presentations are not preload to the meeting server. Please do not submit these presentations in advance of the meeting.
• You are advised to check in at the Speaker Ready Room, located in room 206/207 at the Vancouver Convention Centre, at least 24 hours in advance of the presentation to ensure compatibility.
• Technicians will be stationed in the vicinity of these sessions to assist presenters with their set up, if necessary.

Speaker Check In – REQUIRED!
If you are presenting at the Vancouver Convention Centre, you are advised to check in at the PAS Speaker Ready room at least 24 hours in advance of your session. This will allow time to ensure compatibility, prepare, rehearse, edit and finalize your presentation. Attendants will assist with any questions you have and will assist with saving your presentation to the PAS Network Presentation Manager server. All media submitted to the speaker ready room will be destroyed post show unless other arrangements are made.

Building Your Presentation
• All presentations must include a disclosure slide at the beginning of your presentation.
• Make sure you include any external files utilized in your presentation, i.e. video files, graphics and pictures.
• Place your presentation and support files in a folder and then copy the entire folder to a CD or DVD-R, or USB memory stick.
• If you have two or more presentations in the same session, it is essential to provide separate presentation files for each talk. Combining talks on one file for the same session will cause a delay in the session and potential loss of information.

Compliance / Compatibility Instructions:
Videos: We can only accept videos that have been created with standard compression codes that are in use by Windows. It is imperative that you check your Presentation in the Speaker Ready Room if it contains video files. If you have problems an attendant will be available to assist you. Save your files as .MPG or .AVI only.

Special Fonts: If you have special fonts in your presentation please embed them when saving your presentation. You can do this by doing a Save As. In the Save As box there is a drop down menu that reads Tools. Pull down this menu and check Embed True Type Fonts. Then save your presentation as usual.

Using a MAC
Note: All personal MAC laptop computer users must notify the Speaker Ready supervisor at least 24 hours prior to the start of the session in order to guarantee usage. Bring your computer, power supply for your computer and any external drives that are necessary for your presentation. If you have power saving features or a screen saver activated please deactivate them. If you don’t know if they are activated or need assistance doing this please ask an attendant in the speaker ready room. They have experience with turning these features off. Doing this will prevent delays in your presentation caused from your computer going to sleep prior to your presentation time.

About Your MAC Presentation
Check in to your session room at least 30 minutes before the start of the session. Start your computer and open your presentation for the projectionist. A projectionist will hook up your computer to electrical power and the projection system. If you have audio in your presentation let the projectionist know this and they will make an audio connection to your computer as well. At the end of your presentation a projectionist will help disconnect your computer as soon as time permits. If you are unable to retrieve your laptop by the end of your session, it will be stored with the Speaker Ready Room supervisor.

Questions
If you have questions or a problem, contact the Audio Visual contractor (AVMG) onsite at the Vancouver Convention Centre beginning Friday afternoon, May 2 through Tuesday afternoon, May 6 in the PAS Speaker Ready Room 206/207 or email at PAS@avmg.com.
**State of the Art Plenary**

These sessions update and solidify understanding in interdisciplinary areas of pediatric medicine. They are commonly forums for the presentation of new developments and seminal advances in biomedical research and involve invited lectures from international leaders in the field. They are designed to be of interest to a very broad range of attendees. Pre-enrollment is not required.

**Topic Symposia**

These sessions address issues and controversies around topics of interest to a particular audience. As such, they are generally focused on a more specific topic than the State of the Art Plenary and often allow time for active audience discussion. Topic Symposia run concurrent with the original science platform sessions, poster symposia and workshops. Pre-enrollment is not required.

**Mini Courses**

These sessions address important, relevant topics of interest to all attendees from trainees to senior faculty. They are usually targeted to new, broad-based clinical strategies or techniques, which often are not for any specific discipline or subset of participants. The emphasis is on practical and useful information for the practicing physician or provider of care and is designed to be highly interactive. Pre-enrollment is not required.

**Meet the Professor Breakfast Sessions**

These sessions provide trainees and junior faculty the opportunity to meet with senior academic physicians who can provide insights in their field and provide career guidance in a small interactive group. These breakfast sessions will be on Sunday, May 4, from 7:00am to 8:00am. Sessions are small and seating is on a first-come, first-served basis. Pre-enrollment is not required.

**Workshops**

Workshops include a combination of didactic presentations, interactive discussions and hands-on techniques depending on the topic presented. Some workshops address practical topics of concern for trainees and junior scholars, while others focus on issues relevant to the senior practitioner, investigator or academic leader. Sessions are small and seating is on a first-come, first-served basis. Pre-enrollment is not required.

**Industry Sponsored Symposia**

These events are not part of the official scientific sessions planned by the PAS Program Committee. Symposia are required to meet ACCME Guidelines and Standards for Commercial Support and the content is free of commercial bias for or against any product. ISS are planned solely by the sponsoring company/organization. Events are scheduled during time slots that do not compete with PAS programs or exhibit hours.

There is no fee to attend these symposia, however, pre-registration is required. Host companies send separate invitations and on-site registration is available at the door. Refer to page 379 for a listing of the ISS to be hosted in Washington.

**Original Science Presentations (Abstracts)**

Platform, Poster Symposium, and General Poster Sessions

These presentations are the heart of the meeting and provide membership, guests and trainees an opportunity to present their own original work. Presentations are reviewed, selected and assembled into the various formats outlined below on the basis of their thematic content or as part of traditional subspecialty sessions.

Platform Session: 2-hour session/8 oral presentations. Each oral presentation is allotted 15 minutes encompassing a 10 minute presentation and 5 minute discussion.

Poster Symposium: 2-hour session/8-12 poster presentations. These sessions combine a 30 minute open viewing period followed by a 90 minute discussion period. Authors should be in attendance at the poster site during the designated viewing time. Poster Set Up times are noted below. All posters must be removed immediately following the the poster symposium session.

<table>
<thead>
<tr>
<th>Session Time</th>
<th>Poster Set Up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, May 3</td>
<td>7:00-8:00am</td>
</tr>
<tr>
<td>10:30-12:30pm</td>
<td>10:00-10:30am</td>
</tr>
<tr>
<td>3:30-5:30pm</td>
<td>3:00-3:30pm</td>
</tr>
<tr>
<td>Monday, May 5</td>
<td>10:30-12:30pm</td>
</tr>
<tr>
<td>Tuesday, May 6</td>
<td>9:45-11:45am</td>
</tr>
</tbody>
</table>

General Poster Session: A registration badge is required for admittance. Poster presenters will be permitted for set-up during the times noted below. All posters must be removed immediately following the viewing period noted below. Posters not removed will be discarded.

<table>
<thead>
<tr>
<th>Poster Set Up Hall E Entrance</th>
<th>Available for Viewing</th>
<th>Author Attendance</th>
<th>Remove Poster Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, May 3</td>
<td>12:00-1:00pm</td>
<td>1:00-4:00pm</td>
<td>1:15-2:30pm</td>
</tr>
<tr>
<td>Sunday, May 4</td>
<td>12:00-4:15pm</td>
<td>4:15-7:30pm</td>
<td>5:45-7:30pm</td>
</tr>
<tr>
<td>Monday, May 5</td>
<td>12:00-4:15pm</td>
<td>4:15-7:30pm</td>
<td>5:45-7:30pm</td>
</tr>
<tr>
<td>Tuesday, May 6</td>
<td>6:00-7:00am</td>
<td>7:00-11:00am</td>
<td>7:30-9:30am</td>
</tr>
</tbody>
</table>

**Special Interest Groups**

SIGs are informal sessions sponsored by the Academic Pediatric Association and are organized around specific areas of interest to academic and community pediatricians. Each session is planned by the SIG Chair and in format from informal discussions to guest speakers to research presentations. Sessions are small and seating is on a first-come, first-served basis. Pre-enrollment is not required.
**John Howland Award**

The John Howland Award is the highest honor bestowed by the American Pediatric Society. Named in honor of Dr. John Howland [1873-1926], the award, with its accompanying medal, is presented annually by the American Pediatric Society for “distinguished service to pediatrics as a whole.” Since 1952, when Edwards A. Park, M.D., received the inaugural Howland Award, this honor has been bestowed upon esteemed leaders in academic pediatrics whose significant contributions have advanced the lives of children and the profession of pediatrics through clinical care, scientific discovery, mentorship and service.

**Rebecca H. Buckley**

J. Buren Sidbury Professor of Pediatrics  
Professor of Immunology  
Duke University School of Medicine  
Durham, NC

Dr. Rebecca H. Buckley is an internationally renowned pioneer in the field of human immunology and its disorders. She is the world’s foremost authority on primary immunodeficiency diseases. Her studies of transplantation for severe combined immunodeficiency disease are legend, and her mentorship and teaching in pediatric allergy and immunology has fostered the careers of hundreds of trainees. Dr. Buckley has served innumerable esteemed organizations including the National Institutes of Health, March of Dimes, American Academy of Allergy, Asthma and Immunology [President], Society for Pediatric Research [President], and American Pediatric Society [President]. She has published over 300 papers in her field. Dr. Buckley is a member of the Institute of Medicine [2003] and the National Academy of Science (2011).

**Recent Past Awardees**

2013 Elizabeth R. McAnarney  
2012 Philip A. Pizzo  
2011 Russell W. Chesney  
2010 Charles R. Scriver

**Norman J. Siegel New Member Outstanding Science Award**

The purpose of this award is to acknowledge an APS New Member for his/her contribution to science.

**Jean-Laurent Casanova**

Professor, The Rockefeller University  
Investigator, Howard Hughes Medical Institute  
Head of Laboratory, St. Giles Laboratory of Human Genetics of Infectious Diseases  
Senior Attending Physician, The Rockefeller University Hospital  
New York, NY

Dr. Jean-Laurent Casanova is Professor and Senior Attending Physician and Head of the St. Giles Laboratory of Human Genetics of Infectious Diseases at the Rockefeller University, New York, NY. He is also Investigator, Howard Hughes Medical Institute. A pediatrician and immunologist, Dr. Casanova studies human genetic determinants of pediatric infectious diseases. He discovered that life-threatening infectious diseases in otherwise healthy children may be caused by single-gene lesions that confer selective vulnerability to certain infectious illnesses, in the face of normal resistance to other infectious agents. His laboratory is now focused on testing the hypothesis that life-threatening infectious diseases of childhood result from collections of rare single-gene inborn errors of immunity. His work has important clinical implications, providing a rationale for new therapeutic approaches based on individual host defense genes. Dr. Casanova was the recipient of the E. Mead Johnson Award from the Society for Pediatric Research in 2010 and the Milstein Award in 2012, among many others. Please join us in congratulating Dr. Casanova and plan to attend his lecture on Sunday, May 4, during the APS Plenary in Vancouver.

**Recent Past Awardees**

2013 Sten H. Vermund  
2012 Wanda D. Barfield  
2011 Joel N. Hirschhorn  
2010 James E. Crowe, Jr.
Mary Ellen Avery Neonatal Research Award
This award, established in 2013, honors the contributions of Dr. Mary Ellen Avery to neonatal health research, the American Pediatric Society and the Society for Pediatric Research. The award shall recognize the lifetime achievement of a pediatric investigator who has made important contributions to neonatal health through basic or translational research.

John A. Clements
Professor of Pediatrics Emeritus
Cardiovascular Research Institute, Retired
Graduate Program in Biophysics, Retired
University of California-San Francisco
San Francisco, CA

Dr. John A. Clements, Emeritus Professor of Pediatrics at UCSF, led the way in discovering the basic biology of pulmonary surfactant, its chemical composition, physical properties, and functional impact on the lung and development of neonatal respiratory failure. This knowledge provided the basis for life saving surfactant replacement soon after birth to treat premature infants with surfactant deficiency. Dr. Mary Ellen Avery credited Dr. Clements for enabling her seminal discovery of the link between surfactant deficiency and diminished lung distensibility in the pathogenesis of neonatal respiratory distress syndrome (RDS). Together they were critical to the trials that led to making postnatal surfactant replacement standard of care and dramatically reduced the mortality of preterm infants born with RDS. Dr. Clements has certainly “made an important contribution to neonatal health” through his research. He has been honored with a number of prestigious awards, including membership in the National Academy of Sciences, the Virginia Apgar Award from the AAP and the Albert Lasker Clinical Medical Research Award. He has received honorary degrees from universities around the world. In addition Dr. Clements has been an important mentor, teacher, and provocateur for new thoughts and ideas for students at all levels, and has impacted virtually all of those who have worked in the field of pulmonary as well as surfactant development.

E. Mead Johnson Awards for Research in Pediatrics
Given since 1939, this award honors clinical and laboratory research achievements. Research must be related to pediatrics and published recently, perhaps coming to fruition or attaining recognition during the past few years. Two awards will be presented. Supported by Mead Johnson Nutrition.

Atul Butte
Associate Professor of Pediatrics and Genetics, and by courtesy, Medicine, Pathology, and Computer Science Stanford University
Stanford, CA

Dr. Atul Butte has shown how to translate hundreds of billions of publicly-available molecular, clinical, and epidemiological measurements into novel diagnostics, drugs, and insights into human disease. By intersecting gene expression data on diseases and drugs, Dr. Butte’s team has discovered novel receptors associated with type 2 diabetes, that can be targeted with drugs, as well as finding novel uses for existing drug, known as computational drug repositioning. In receiving the White House Champion of Change award in 2013, Dr. Butte has shown the value and potential of publicly-accessible data.

John V. Williams
Associate Professor of Pediatrics
Associate Professor of Pathology, Microbiology, and Immunology
Monroe Carell Jr. Children’s Hospital at Vanderbilt
Vanderbilt University School of Medicine
Nashville, TN

Dr. John V. Williams has advanced the understanding of human metapneumovirus (MPV), a paramyxovirus discovered in 2001, by a) describing the clinical features and epidemiology of MPV in children; b) discovering that RGD-binding integrins serve as receptors for MPV; c) identifying the fusion (F) protein as the sole target of protective antibodies; d) developing candidate vaccines and monoclonal antibodies; and e) finding that MPV and other acute respiratory viral infections cause impairment of lung CD8+ T cells via PD-1 signaling, a pathway previously associated with chronic infections and cancer. Dr. Williams’ research has advanced the field in numerous basic and clinical areas.

Recent Past Awardees
2013 William Pu
Bradley Schlaggar
2012 Scott Armstrong
Nicholas Katsanis
2011 Joel N. Hirschhorn
Eric J. Vilain
2010 Fernando Pedro Polack
Jean-Laurent Casanova
Young Investigator Award

Given since 1983, this award was designed to honor and recognize young physicians as they embark on a career in investigative pediatrics.

Sallie R. Permar
Duke University Medical Center
Durham, NC

Dr. Permar’s work focuses on defining and eliciting immune responses at the maternal-fetal interface that prevent vertical transmission of neonatal viral pathogens. Dr. Permar has advanced our understanding of immune protection against mother to child virus transmission by a) developing nonhuman primate models to investigate immune protection against vertical transmission of HIV-1 and cytomegalovirus, b) designing maternal vaccine strategies to target immune responses in breast milk, and c) defining novel innate antiviral factors in breast milk.

Recent Past Awardees
2013  Heather Mefford
2012  Kimberly Stegmaier
2011  Juliane Bubeck Wardenburg
2010  Atul J. Butte

APA Research Award

The APA Research Award acknowledges the contribution of an individual or a network in advancing pediatric knowledge through excellence in research.

Alejandro Hoberman
Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine
Jack L. Paradise Professor of Pediatric Research Vice Chair for Clinical Research Children’s Hospital of Pittsburgh

Dr. Hoberman graduated from medical school and general pediatrics residency in Buenos Aires, Argentina. He completed a General Academic Pediatrics fellowship at Children’s Hospital of Pittsburgh, under Jack L. Paradise and Kenneth Rogers, and joined the faculty at the University and Children’s Hospital of Pittsburgh. He currently heads the Division of General Academic Pediatrics and is the Vice Chair for Clinical Research in the Department of Pediatrics. In 2000, he was established as the Jack L. Paradise Endowed Professor of Pediatric Research in honor of his research mentor, a recipient of the APA Research Award in 1994. In the area of AOM, Dr. Hoberman has contributed studies to enhance prevention, diagnosis and treatment of this frequently occurring condition. In a study published in JAMA, Dr. Hoberman evaluated the efficacy of influenza vaccine in preventing AOM. He published in the NEJM a study sponsored by NIAID evaluating the efficacy of antimicrobials in young children with AOM, and he currently conducts an NIAID-sponsored study evaluating duration of treatment for AOM in young children. In the area of UTI, Dr. Hoberman evaluated prevalence, diagnosis, treatment and follow-up imaging in children. His research group currently conducts 4 large, NIH-sponsored UTI clinical trials: (1) efficacy of antimicrobial prophylaxis in children with vesicoureteral reflux (RIVUR trial); two studies in collaboration with the University of Pennsylvania evaluating (2) risk factors for renal scarring in children after UTI, and (3) short-course therapy for UTI in children; and, together with his colleague Dr. Nader Shaikh, (4) a study evaluating corticosteroids in preventing renal scars in children with febrile UTI.

He has served on NIH special emphasis panels, FDA and NIH strategic planning workgroups, AAP guideline committees, and as a member of the Child Health Translational Research Committee. His research has fostered the careers of many others through his roles in fellowship training, as the chief of a large division of General Academic Pediatrics—the recipient of the 2009 APA Outstanding Teaching Award, and in his many other collaborations.

Recent Past Awardees
2013  William Cooper
2012  Glenn Flores
2011  Allison Kempe
2010  Dimitri A. Christakis
APA George Armstrong Lecture

George Armstrong, an English physician of the 18th century, established the first dispensary for children in London, England, in 1769. There he served with great devotion and taught others the care of sick children. He is honored as one of the fathers of modern pediatrics, and those who deliver this lecture are also honored as outstanding teachers and contributors to our knowledge of the care of children.

Karen Hein
Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth (New Hampshire)
Member, Green Mountain Care Board (Vermont)

Dr. Hein is one of five members appointed by Vermont Governor Shumlin in 2011 to The Green Mountain Care Board to implement key portions of the comprehensive health care reform law that has positioned Vermont to become the first state in the country to develop universal access to a coordinated, high quality, publically financed health system.

Dr. Hein has served as president of the William T. Grant Foundation, executive officer of the Institute of Medicine, and a professional staff member for the U.S. Senate Finance Committee. Currently Adjunct Professor, Dept. of Family & Community Medicine at The Geisel Medical School at Dartmouth College, she is on the International Rescue Committee Board of Overseers, RAND Health Advisory Board and the RWJF Clinical Scholars National Advisory Committee. She previously served on the board of Consumers Union/Consumer Reports, the National Board of Medical Examiners and ChildFund International.

Dr. Hein graduated from the University of Wisconsin, attended Dartmouth Medical School, and received her medical degree from Columbia University, College of Physicians and Surgeons. She has received life-time achievement awards for Social Justice (Dartmouth College, 2007) and RWJF Health Policy Fellowship Program (2012).

Recent Past Awardees
2013 Ellen Crain
2012 Judith Palfrey
2011 Carol D. Berkowitz
2010 UNICEF

William A. Silverman Lecture

The William A. Silverman Lectureship was established in 2006 by the American Academy of Pediatrics’ Section on Perinatal Pediatrics to honor Dr. Silverman. The awarded will address evidence based medicine and/or bioethics of the newborn. Dr. Silverman was a leader in both and each is an important area in today’s research.

John D. Lantos
Director of Pediatric Bioethics; Professor of Pediatrics, University of Missouri-Kansas City School of Medicine
Kansas City, MO

Dr. John Lantos has been a leader of bioethics for thirty years. He was a resident at Children’s National Medical Center in Washington DC during the Baby Doe controversy. After residency, he served in the public health service in West Virginia, completed a fellowship in medical ethics and then joined the faculty at The University of Chicago. After 20 years in Chicago, he moved to Kansas City where he is the founding Director of the Children’s Mercy Hospital Bioethics Center. He has written or edited six books and hundreds of articles and book chapters. He has been President of both the American Society of Bioethics and Humanities and the American Society of Law, Medicine and Ethics as well as an ethics advisor to the American Academy of Pediatrics, the President’s Council on Bioethics, and the NIH. He has appeared on Oprah and Larry King, and was named one of the best pediatricians in the Midwest by the Ladies Home Journal.

Recent Past Awardees
2013  David Stevenson
2012  Joseph J. Volpe
2011  Lois Smith
2010  Roger Soll
Joseph W. St. Geme, Jr. Leadership Award

The Joseph W. St. Geme, Jr. Leadership Award was established to honor the life, work and memory of Joe St. Geme and to memorialize his many contributions to and his aspirations for pediatrics. The St. Geme Award is sponsored by the Academic Pediatric Association, American Academy of Pediatrics, American Board of Pediatrics, American Pediatric Society, Association of Medical School Pediatric Department Chairs, Association of Pediatric Program Directors and the Society for Pediatric Research.

Lewis R. First
Professor and Chair, Department of Pediatrics
University of Vermont College of Medicine
Chief of Pediatrics
Vermont Children’s Hospital at Fletcher Allen Health Care
Burlington, VT

Dr. Lewis First is widely recognized as an outstanding clinician-educator across the pediatric educational continuum of learning. He is also an influential national leader for educational policy and professional certification. He currently serves as Professor and Chair of the Department of Pediatrics at the University of Vermont College of Medicine, Chief of Pediatrics at the Vermont Children’s Hospital at Fletcher Allen Health Care, Editor-in-Chief of the journal Pediatrics, Chair of the Executive Board of the National Board of Medical Examiners, Chair of the Education Committee of the Association of Medical School Pediatric Department Chairs, and Co-Editor of the 22nd Edition of Rudolph’s Textbook of Pediatrics. In addition, for the past 17+ years, Dr. First has offered medical advice to parents entitled “First with Kids” on weekly radio and television news segments, as well as in multiple community newspapers throughout Vermont. His ability to educate, innovate, and communicate effectively with health care professionals, as well as with the public, has resulted in numerous contributions to child health and makes him well deserving of the Joseph W. St. Geme, Jr. Leadership Award.

March of Dimes Prize in Developmental Biology Award Lecture

The March of Dimes Prize in Developmental Biology Award is bestowed to investigators whose research has profoundly advanced the science that underlies our understanding of birth defects.

Huda Y. Zoghbi
Professor of Molecular and Human Genetics
Baylor College of Medicine
Houston, TX

Dr. Huda Y. Zoghbi, professor at Baylor College of Medicine, discovered that mutations of the X-linked MECP2 cause Rett syndrome. Her genetic studies provided an understanding of the role MeCP2 plays in various neurons and how its dysfunction leads to various neuropsychiatric traits.

Dr. Zoghbi left her native Lebanon in 1976, during that country’s civil war. She transferred from the American University of Beirut to Meharry Medical College in Tennessee. She trained in pediatrics and genetics at Baylor, joined the faculty and has remained for more than three decades.

Recent Past Awardees
2013  Eric Olson
2012  Elaine Fuchs
2011  Howard Green
2010  Shinya Yamanaka

Recent Past Awardees
2013  Renee R. Jenkins
2012  Gail A. McGuiness
2011  George Lister
2010  Stephen Ludwig
**Douglas K. Richardson Award for Perinatal and Pediatric Healthcare Research**

Honors the contributions of the late Dr. Douglas K. Richardson to children’s health services research and the SPR. This award, established in 2003, honors the lifetime achievement of an investigator, who has made a substantive contribution in an area encompassing 1) effective utilization of healthcare services, 2) identification of risk factors for adverse outcomes, 3) general epidemiologic health services studies or 4) patient oriented clinical studies that lead to improved healthcare delivery to the neonatal/pediatric populations. The Award is open to pediatric health services researchers of any specialty.

**Mark A. Schuster**
Harvard Medical School, Boston Children’s Hospital
Boston, MA

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**Maureen Andrew Mentor Award**

This award, established in 2003, honors the contributions of Dr. Maureen Andrew to child health research and the Society for Pediatric Research. The award recognizes individuals who have served as exemplary mentors for trainees and junior faculty who have successfully developed investigative careers in the field of child health research.

**Kathryn E. Edwards**
Vanderbilt University School of Medicine
Nashville, TN

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**Public Service Award**

This award, which was established in 2011, honors an individual who has demonstrated a deep and effective commitment to child health and pediatric research.

**U.S. Senator Dianne Feinstein**
The United States Senate
Washington, DC

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**Thomas A. Hazinski Distinguished Service Award**

This award was established by the SPR Council in 2002 and honors a special individual who has provided exceptional service to the Society over an extended period of time.

**Thomas P. Shanley**
Michigan Institute for Clinical & Health Research, University of Michigan
Ann Arbor, MI

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**Health Care Delivery Award**

The purpose of this award is to recognize an innovative and effective program that provides health care in the context of a teaching setting. The program must include residents and/or medical students. It may provide general pediatric care, care to children with special needs (e.g., children with lead poisoning, teenage mothers and their children, or children with chronic illnesses), or a system of care (e.g., an immunization tracking system). The award recognizes an outstanding program or system of health care.

**Barry S. Zuckerman**
Boston University School of Medicine
Boston, MA

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**International Health Research Award**

This award recognizes mid-career or younger faculty from, and working in, developing countries for their research in various areas of primary care that might otherwise not have the opportunity to present their work at international meetings.

**Ruth Namazzi**
Makerere University
Kampala Uganda
**Ludwig-Seidel Award**
This award recognizes the abstract that represents the best research project in pediatric emergency medicine whereby a PEM fellow is the lead author.

*Maren Lunoe*
Medical College of Wisconsin
Brookfield, WI

**Michael Shannon Research Award**
This award is given in memory of the life achievements of Dr. Michael Shannon to the best abstract in the area of pharmacology/toxicology, drug reactions/events, substance use, environmental health, disaster preparedness/response and/or emergency medicine.

*Birgit Claus-Henn*
Harvard School of Public Health
Boston, MA

**Miller Sarkin Mentoring Award**
The APA Miller-Sarkin Mentoring Award recognizes the contributions of an APA member who has provided outstanding mentorship to learners or colleagues, both locally and nationally, and serves as a model to others who aspire to mentor others as they mature.

*Nancy Spector*
St. Christopher’s Hospital for Children
Philadelphia, PA

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**Teaching Program Award**
The purpose of this award is to foster interest in the teaching of general pediatrics by giving national recognition to an outstanding general pediatric program. Emphasis is placed on the award being given to an outstanding program.

**Global Health and Community Pediatrics & Advocacy Pathway at the University of Washington, Seattle, WA**

*Pictured from left to right are: Sylvia Lago, Brian Johnston, Richard Shugerman, Heather McPhillips, Kyle Yasuda, Maneesh Batra (bottom row), Suzinne Pak-Gorstein (bottom row). Not Pictured: Mollie Grow*

**Teaching Award for Faculty - MD for Junior Level Faculty**

*Jennifer Jackson*
Wake Forest School of Medicine
Winston-Salem, NC

**Teaching Award for Faculty - MD for Faculty**

*Teri Turner*
Baylor College of Medicine
Houston, TX
Public Policy & Advocacy Award
This award recognizes the cumulative contributions of an individual, pediatric department or program whose public policy advocacy efforts at the state, regional, national or international level have improved the health and well-being of infants, children and/or adolescents.

Benard Dreyer
New York University School of Medicine
New York, NY

Ray E. Helfer Award for Innovation in Pediatric Education
Ray E. Helfer was an esteemed pediatric educator, child advocate and past President of the Academic Pediatric Association. The purpose of the award is to recognize creative, scholarly work in pediatric education.

Tai Lockspeiser
University of Colorado, Denver
Aurora, CO

Founder’s Award
The Founder’s Award was established in 1996. The purpose of this award is to recognize individuals who have made a unique and lasting contribution to the field of pediatric nephrology.

Robert L. Chevalier
University of Virginia Children’s Hospital
Charlottesville, VA

Henry L. Barnett Award (ASPN and AAP Section on Nephrology)
This award recognizes a pediatric nephrologist for outstanding teaching and clinical care for children with kidney disease

Denis Geary
The Hospital for Sick Children
Toronto, ON

Trainee Research Awards
These awards recognize medical students, residents or fellows who are pursuing combined clinical and research training towards becoming a pediatric nephrologist.

Neil J. Paloian
University of Washington
Seattle, WA

Carmen M. Halabi
St. Louis Children’s Hospital
St. Louis, MO
**Honor and Memorial Awards**

**Affiliated Awards for Faculty and Trainees**

### SPR Fellow Exchange Program

**European Society for Pediatric Research Young Investigator Award**
This exchange program recognizes contributions by a young investigator from Europe.

**Magnus Gram**
Lund University
Lund, Sweden

**Japan Pediatric Society Fellow’s Award**
This exchange program recognizes contributions by a Fellow from Japan.

**Kimihiko Banno**
Osaka University School of Medicine
Osaka, Japan

**Yukiko Kuroda**
Kanagawa Children’s Medical Center
Yokohama, Japan

**Keiko Matsubara**
National Research Institute for Child Health and Development
Tokyo, Japan

### Pediatric Endocrine Society Awards

**Clinical Scholar’s Awards**
Promotes research on the broad context of factors affecting human growth and development by young investigators beginning a career in academic pediatric endocrinology.

**Andrew N. Dauber**
Joslin Diabetes Center
Boston, MA

**Natalie Shaw**
Massachusetts General Hospital; Boston Children’s Hospital
Boston, MA

**Human Growth Foundation Award**
This award acknowledges the best abstract submitted by a pediatric endocrine fellow that recognizes outstanding clinical and bench research in pediatric endocrinology that may lead to a better understanding of human growth.

**Ola Nilsson**
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health
Bethesda, MD
Judson J. Van Wyk Prize

The Van Wyk Prize is the Pediatric Endocrine Society’s most prestigious award in recognition of outstanding career achievement by a member in the field of pediatric endocrinology. This award, established in honor of Judson J. Van Wyk, M.D., stands in tribute to an outstanding leader whose dis...continued

Ron G. Rosenfeld
Professor and Chair (emeritus) of Pediatrics, Oregon Health & Science University; President, STATS, LLC
Los Altos, CA

Dr. Rosenfeld is an internationally renowned authority on the endocrine basis of growth and development and has been at the forefront of understanding the biology of growth hormone and growth factors for over 30 years. His work has elucidated physiological, pathological, cellular and molecular aspects of mammalian growth, as well as the role of growth factors and their receptors in the fetus, newborn, child and adult in health and disease. The author of over 640 publications, 8 edited books and 2 plays, Dr. Rosenfeld has received numerous awards, including a Mellon Foundation Fellowship, Basil O’Connor Award from the March of Dimes, an NIH Career Development Award, and 30 years of continuous NIH grant support. He is the recipient of the Kaiser Award for Excellence in Teaching at Stanford, the Joseph St. Geme, Jr. Award from the Society for Pediatric Research for pediatric education, the Ross Award for Research from the Society for Pediatric Research, The Clinical Endocrinology Trust Medal from the Royal Society of Medicine, and many others. He has been active on many editorial boards and study sections, and served as Chair of the Endocrinology Study Section of the NIH and as Chair of the Clinical Research Advisory Board of the March of Dimes. In 1997, he served as President of the Lawson Wilkins Pediatric Endocrine Society.

Lawson Wilkins Lecture

In honor Lawson Wilkins, M.D., the founder of the Lawson Wilkins Pediatric Endocrine Society, which in 2009 was renamed the Pediatric Endocrine Society, this lecture is given by a leading authority in the field of pediatric endocrinology.

Brendan Lee
Robert and Janice McNair, Endowed Chair; Molecular and Human Genetics Professor, Baylor College of Medicine; Investigator, Howard Hughes Medical Institute
Houston, TX

Robert M. Blizzard Lecture

The Robert M. Blizzard, M.D., lectureship was established to honor the contributions and career of Dr. Blizzard to the Pediatric Endocrine Society (PES), the pediatric endocrine community at large, and especially to the children of the world with disorders of the endocrine system. PES gratefully acknowledges the support of friends of Dr. Blizzard.

Thomas P. Foley, Jr.
Emeritus Professor of Pediatrics and Epidemiology, University of Pittsburgh School of Medicine
Pittsburgh, PA

Dr. Thomas P. Foley, Jr. has a long-term commitment in caring for victims of the Chernobyl nuclear disaster which occurred in April, 1986. He continues to collaborate with colleagues in Belarus and the U.S. in a NIH/NCI-funded study to determine if infants, children and women exposed to radiation from Chernobyl 20+ years ago are at a higher risk to develop breast cancer. More recently, using an adaptation of low-cost newborn screening methods and funds from NIH grants, he and collaborators screened women very early during pregnancy for hypothyroidism and thyroiditis so that maternal therapy with thyroxine can prevent the deleterious effects on pregnancy outcome and fetal brain development. He and his colleagues were responsible for a very important academic contribution with the first report in The Lancet (1974) of population newborn screening to detect congenital hypothyroidism using TSH tests. Today, millions of newborn infants worldwide are routinely screened using methodology developed in his laboratory. In collaboration with other clinician-scientists, he reported the first cases of acquired autoimmune-mediated infantile hypothyroidism. His awards and honors include the Merentibus Medal from the Jagiellonian University (Kraków, Poland); the Chernobyl Medal of Ukraine; the 2001 Chancellor’s Distinguished Public Service Award by the University of Pittsburgh and was invited to The White House on the 10th anniversary of the Chernobyl Nuclear Power Plant accident in recognition of his scientific and humanitarian contributions to the Republic of Belarus. Dr. Foley is a member of the Pediatric Endocrine Society, serving as its President in 1994-1995, the European Society for Paediatric Endocrinology, the American Thyroid Association and The Endocrine Society.
PROGRAMME FOR GLOBAL PAEDIATRIC RESEARCH

Award for Outstanding Contributions to Global Child Health

This award, presented by The Programme for Global Paediatric Research (PGPR), honours and encourages outstanding research achievements in global child health. Specific emphasis is placed on those researchers who have conducted their studies in developing countries.

Mark W. Kline
Baylor College of Medicine; and Texas Children’s Hospital
Houston, TX

Dr. Kline was chosen as this year’s recipient based on his hugely important contribution to changing the global child health landscape through capacity-building, leadership training and program implementation focused on revolutionizing the care of children in developing countries with HIV/AIDS. A long-time researcher in pediatric HIV/AIDS, Dr. Kline has been the recipient and principal investigator for more than $50 million in research grants from the U.S. National Institutes of Health and Centers for Disease Control and Prevention. He has authored more than 250 scientific articles and textbook chapters and has presented over 350 national and international lectures on subjects related to infectious diseases of children and global child health. He directs international research for the NIH-funded BCM Center for AIDS Research and is principal investigator for BCM’s NIH-funded Child Health Research Center and AIDS International Training and Research Program. Dr. Kline is the founder and President of the BCM International Pediatric AIDS Initiative (BIPAI) at Texas Children’s Hospital, an ambitious program that encompasses HIV/AIDS care and treatment and health professional education and training programs across sub-Saharan Africa, Libya and Romania. BIPAI provides HIV/AIDS treatment to more children than any other organization worldwide. Dr. Kline is Chair of the Pediatric Infectious Diseases Society International Affairs Committee and post-Chair of the American Academy of Pediatrics Committee on Pediatric AIDS. He is certified in both pediatrics and infectious diseases by the American Board of Pediatrics. Dr. Kline’s many other honors and awards include the Dag Hammarksjöld Award from the International Association of Physicians in AIDS Care (1998), the Association of American Medical Colleges Humanism in Medicine Award (2002), the Annual Award in HIV/AIDS of the World Foundation for AIDS Research and Prevention (2006), the Distinguished Faculty Award of Baylor College of Medicine (2007), the Medical Award of Excellence from Ronald McDonald House Charities (2007), the Distinguished Alumnus Award of Trinity University (2008), the Millie and Richard Brock Award of the New York Academy of Medicine (2009), the Jacqueline Kennedy Onassis Award for Public Service (2010) and the Albert Schweitzer Fellowship Program’s Annual Humanitarian Award (2013). He is listed in Who’s Who in America and U.S. News Top Doctors.

PEDiATRICS INFECTIOUS DISEASES SOCIETY

Stanley A. Plotkin Lecture in Vaccinology

The Stanley A. Plotkin lectureship is intended to honor Dr. Plotkin’s contributions to the Pediatric Infectious Diseases Society and to the fields of Vaccinology and Infectious Diseases. The lecturer will be recognized for his/her contributions to the field of vaccinology or areas of related science that have impacted the lives of children and the specific area of pediatric infectious diseases. This award is sponsored by the Pediatric Infectious Diseases Society and supported by sanofi Pasteur.

Eugene D. Shapiro
Yale University School of Medicine
New Haven, CT

Dr. Shapiro is chosen as this year’s recipient for his research on the role of the innate immune system in the pathogenesis of flavivirus infections and the development of antiviral vaccines.

Honor and Memorial Awards
Affiliated Awards for Faculty and Trainees
**SOCIETY FOR PEDIATRIC RESEARCH**

**David G. Nathan Award in Basic Research**

This award was established in 2000, by colleagues, trainees and friends of Dr. David G. Nathan to honor his achievements in every aspect of academic pediatrics.

Elizabeth C. Swanson  
University of Minnesota Medical School  
Minneapolis, MN

**Richard D. Rowe Award for Clinical Research**

The Richard D. Rowe Award was established in 1988 by colleagues, trainees, and friends of Dr. Rowe to mark his many personal achievements, commitment to academic excellence, integrity and humility.

Jessica Mouledoux  
Monroe Carell Jr. Children’s Hospital at Vanderbilt  
Nashville, TN

**FELLOWS’ SECTION RESEARCH AWARDS**

Vishnu Priya Akula  
Stanford University School of Medicine  
Palo Alto, CA

Hitesh Deshmukh  
University of Pennsylvania  
Philadelphia, PA

Birju Shah  
Alpert Medical School, Women and Infants’ Hospital, Brown University  
Providence, RI

Daniel Swarr  
The Children’s Hospital of Philadelphia  
Philadelphia, PA
Honor and Memorial Awards
PAS Awards for Students, Residents and Fellows

SOCIETY FOR PEDIATRIC RESEARCH

FELLOWS BASIC RESEARCH AWARDS

Rebecca Johnson
University of California, San Francisco
San Francisco, CA

Aparna Patra
Women & Infants Hospital of Rhode Island and The Alpert Medical School of Brown University
Providence, RI

David Sparling
Columbia University Medical Center
New York, NY

SOCIETY FOR PEDIATRIC RESEARCH

HOUSE OFFICER’S RESEARCH AWARDS

Joshua J. Bear
University of California San Francisco
San Francisco, CA

Kriti Puri
Cincinnati Children’s Hospital
Cincinnati, OH

Regina K. Rowe
Children’s Medical Center of Dallas
Dallas, TX

SOCIETY FOR PEDIATRIC RESEARCH

FELLOWS CLINICAL RESEARCH AWARDS

Melanie Cree-Green
University of Colorado, School of Medicine
Aurora, CO

Brittany Jones
Icahn School of Medicine at Mount Sinai
New York, NY

SOCIETY FOR PEDIATRIC RESEARCH

STUDENT’S RESEARCH AWARDS

Rebecca L. Currier
Cincinnati Children’s Hospital Medical Center, University of Cincinnati
Cincinnati, OH

Willemina Foppen
Boston Children’s Hospital, Harvard Medical School
Boston, MA

SOCIETY FOR PEDIATRIC RESEARCH

Andrew Greubel
The Children’s Hospital of Philadelphia
Philadelphia, PA
SOCIETY FOR PEDIATRIC RESEARCH

STUDENT’S RESEARCH AWARDS

Kelsey Lee
University of British Columbia
Vancouver, Canada

Blair Stocks
Vanderbilt University
Nashville, TN

Marie Strobl
Aachen University
Aachen, Germany

ACADEMIC PEDIATRIC ASSOCIATION

RESIDENT RESEARCH AWARDS

Michael R. Flaherty
Baystate Medical Center
Springfield, MA

Carolyn M. Sawyer
Duke University Hospital
Durham, NC

STUDENT RESEARCH AWARDS

Doug Gilchrist-Scott
Northwestern University,
The Feinberg School of Medicine
Chicago, IL

Anglina Kataria
New York University School of Medicine
New York, NY

Sarah McNab
The Royal Children’s Hospital
Victoria, Australia

ACADEMIC PEDIATRIC ASSOCIATION

FELLOW’S RESEARCH AWARDS

Prasanna J. Ananth
Boston Children’s Cancer and
Blood Disorders Center
Boston, MA

William J. Heerman
Vanderbilt University School of Medicine
Nashville, TN

Alisa Khan
Boston Children’s Hospital
Boston, MA

Maren M. Lunoe
Medical College of Wisconsin
Milwaukee, WI
The APS-SPR Medical Student Research Program continues to provide unique opportunities for medical students interested in pediatrics and research, and for institutions and laboratories interested in identifying, training, and recruiting such students. The Program, which is funded through a grant from NICHD with additional support from APS-SPR, supports medical students to conduct 2 to 3 months of basic or clinical research at institutions other than their respective medical schools. Now in its 24th year, the Program has attracted well over 3300 applicants and has supported more than 900 students.

From the 56 students who participated in the Program in 2013, 36 abstracts authored by 31 students are to be presented at this year’s annual meeting. The abstracts are listed below. The continuing strength and momentum of the Program are demonstrated by the 267 completed applications that have been received this year, reflecting the high visibility of the Program among medical students and the opportunities for research in pediatrics.

The Program was not designed to test hypotheses regarding effects on long-term career choices and outcomes of students who participate. However, as reported in *Pediatric Research* [65: 474-477], students who participated in the Program between 1991 and 1996 had entered pediatrics at two to three times the national average for medical school graduates. Further, for each of those years between 1991 and 1996, between 23 and 45% of the participants were in academic pediatric positions as of 2008.

The continuing successes of the Program would not be possible without the efforts and support of the individual research mentors and their institutions, the American Pediatric Society and the Society for Pediatric Research, and the Eunice Kennedy Shriver National Institute for Child Health and Development, of the National Institutes of Health. The contributions of these people and institutions are appreciated. However, each year, the number of highly promising applicants greatly exceeds the number for whom funding can be found. A number of students participate in research opportunities without benefit of stipend, but a redoubled effort to identify funds to support these students and to enable additional students to participate, would benefit not only the students, but also the institutions and individual investigators.

Dr. Catherine Gordon, a pediatric endocrinologist and adolescent medicine specialist at Hasbro Children’s Hospital and Brown University began directing the APS/SPR Student Research Program beginning in 2011. Dr. Charles “Skip” Smith stepped down after 10 years of excellent leadership of the Program. Dr. Gordon leads an independently funded clinical research group in Providence, Rhode Island, exploring strategies to improve bone health children and adolescents at risk for vitamin D deficiency and early osteoporosis. She has been a mentor for the Student Research Program for the past 9 years.

The data to date suggest strong contributions from the Program, but much work will always remain to be done. Please attend the students’ presentations and offer your encouragement.
Alexa Sadreameli  
Robert Wood Johnson Medical School  
Children’s Hospital of Philadelphia  
Research Advisor, PI, Phyllis Dennery  
Saturday, 5/3/2014, 11:45 am  
Platform, West 110  
Exposure To Constant Light and Hyperoxia Impair Postnatal Lung Vascular Development

Alyssa Cohen  
University of Rochester School of Medicine and Dentistry  
Mass General Hospital for Children  
Research Advisor, PI, Elizabeth Goodman  
Saturday, 5/3/2014, 1:00 pm - 4:00 pm  
Board: 25  
Poster Session, Exhibit Hall C  
Racial Disparities in Perceived Discrimination and the Socioeconomic Status Gradient in Depression: Why Higher SES Is Not Protective for Black Youth

Justin Pespisa  
University of Massachusetts Medical School  
Children’s Hospital Boston  
Research Advisor, PI, Erin Rhodes  
Saturday, 5/3/2014, 1:00 pm - 4:00 pm  
Board: 182  
Poster Session, Exhibit Hall C  
Implementation of a Telehealth Intervention for Adolescents With Type 1 Diabetes

Aaron Charnay  
University of Oklahoma  
Ann and Robert H Lurie Children’s Hosp/Chicago  
Research Advisor, PI, Debra Weese-Mayer  
Saturday, 5/3/2014, 1:00 pm - 4:00 pm  
Board: 452  
Poster Session, Exhibit Hall C  
Congenital Central Hypoventilation Syndrome: Neurodevelopmental Performance in Preschool Children

Shreya Amin  
UMDNJ - Robert Wood Johnson Medical School  
Child Development Center  
Research Advisor, PI, Beatrice Latal  
Saturday, 5/3/2014, 1:00 pm - 4:00 pm  
Board: 737  
Poster Session, Exhibit Hall C  
White Matter Microstructural Differences between Prematurely Born Adolescents Relative To Term-Born Peers Using TBSS

Richard Tilton  
Temple University School of Medicine  
Children’s Hospital of Philadelphia  
Research Advisor, PI, Ian Krantz  
Saturday, 5/3/2014, 3:45 pm  
Platform, West 119-120  
Whole Exome Sequencing as a Diagnostic Tool for Pediatric Diagnoses: Bilateral Sensorineural Hearing Loss as a Model

Suraj Bhatt  
The George Washington University  
Children’s Hospital of Philadelphia  
Research Advisor, PI, Mary Leonard  
Saturday, 5/3/2014, 4:30 pm  
Platform, West 212-213  
Paradoxical Evidence on Vitamin D Deficiency in Nephrotic Syndrome

Alyson Baker  
Saint Louis University School of Medicine  
Children’s Mercy Hospitals and Clinics  
Research Advisor, PI, J Steven Leeder  
Sunday, 5/4/2014, 8:30 am  
Platform, East 11  
Ontogeny and Genetic Variation of VKORC1, CYP2C9 and CYP4F2 in Pediatric Liver

Charles V. Smith APS/SPR Student Research Program Award

Stephanie Woodward  
University of Utah School of Medicine  
Columbia University  
Research Advisor, PI, Sharon Oberfield  
Sunday, 5/4/2014, 5:00 pm  
Platform, West 214  
Early Results: Efficacy of Laparoscopic Adjustable Gastric Bands Compared To Vertical Sleeve Gastrectomy in Adolescents

Victoria Adegbuyi  
University of Cincinnati  
Nationwide Children’s Hospital  
Research Advisor, PI, David Hains  
Sunday, 5/4/2014, 4:15 pm - 7:30 pm  
Board: 104  
Poster Session, Exhibit Hall C  
Human Complement 4 Gene Gene Copy Number Is Associated With UTI Risk in Children With Vesicoureteral Reflux

Sarah Andersen  
Queen’s University  
University of California, San Francisco  
Research Advisor, PI, Donna Ferriero  
Sunday, 5/4/2014, 4:15 pm - 7:30 pm  
Board: 394  
Poster Session, Exhibit Hall C  
Neurodevelopmental Outcome After Sedation for MRI in Premature Newborns

Bridget Hughes  
University of Rochester School of Medicine and Dentistry  
Children’s Hospital Boston  
Research Advisor, PI, Lawrence Rhein  
Sunday, 5/4/2014, 4:15 pm - 7:30 pm  
Board: 555  
Poster Session, Exhibit Hall C  
Indications for and Patterns of Bronchodilator Use in the Neonatal Intensive Care Unit

Eilann Santo  
Raymond and Ruth Perelman School of Medicine at the University of Pennsylvania  
Children’s Hospital Boston  
Research Advisor, PI, Lawrence Rhein  
Sunday, 5/4/2014, 4:15 pm - 7:30 pm  
Board: 555A  
Poster Session, Exhibit Hall C  
Efficacy of Bronchodilator Use in the Newborn Intensive Care Unit
Eilann Santo
Raymond and Ruth Perelman
School of Medicine at the
University of Pennsylvania
Children’s Hospital Boston
Research Advisor, PI, Lawrence Rhein
Sunday, 5/4/2014, 4:15 pm - 7:30 pm
Board: 555B
Poster Session, Exhibit Hall C
Bronchodilator Use in the Neonatal Intensive Care Unit

Fanyu Yang
University of Toronto
MassGeneral Hospital for Children
Research Advisor, PI, Elizabeth Goodman
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 65
Poster Session, Exhibit Hall C
Understanding the Association of Food Insecurity To Community Developmental Assets Among Youth in a Low-Income Community

Vanessa Boshuizen
University of Oklahoma
School of Medicine
Albert Einstein College of Medicine
Research Advisor, PI, Frederick Kaskel
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 155
Poster Session, Exhibit Hall C
Medication and Dietary Adherence in Pediatric Kidney Transplant Candidates Is Associated With Post-Transplant Adherence To Immunosuppressant Medications

Samantha Gordon
Loyola University Stritch School of Medicine
Ann and Robert H Lurie
Children’s Hospital/Chicago
Research Advisor, PI, Debra Weese-Mayer
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 178
Poster Session, Exhibit Hall C
Lipid Profile in ROHHAD (Rapid-Onset Obesity With Hypothalamic Dysfunction, Hypoventilation, & Autonomic Dysregulation) as Compared To Matched Obese Controls: Implications for Etiology and Treatment in ROHHAD

Sally Vitez
Robert Wood Johnson Medical School
Ann and Robert H Lurie
Children’s Hosp/Chicago
Research Advisor, PI, Debra Weese-Mayer
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 184
Poster Session, Exhibit Hall C
ROHHAD (Rapid-Onset Obesity With Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation): Distinguishing Features To Expedite Diagnosis and Avert Sudden Death

Nadia Liyanage-Don
Boston University School of Medicine
Massachusetts General Hospital
Research Advisor, PI, Madhusmita Misra
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 206
Poster Session, Exhibit Hall C
Determinants of Bone Turnover Markers in Adolescent Athletes and Non-Athletes

Gloria Lee
Paul L. Foster School of Medicine
Boston Children’s Hospital
Research Advisor, PI, Paula Watnick
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 233
Poster Session, Exhibit Hall C
The Role of RbmA Proteolysis in Vibrio Cholerae Biofilm Formation

Alvin Ip
University of British Columbia
Boston Children’s Hospital
Research Advisor, PI, Shenandoah Robinson
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 299
Poster Session, Exhibit Hall C
A Novel Way of Detecting Intrathecal Baclofen Withdrawal in Post-Operative Patients: A Pilot Study

Anuradha Gorukanti
Saint Louis University School of Medicine
University of California, San Francisco
Research Advisor, PI, Bonnie Halpern-Felsher
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 322
Poster Session, Exhibit Hall C
Filling in the Gaps: Identifying the Missing Messages for Effective School-Based Tobacco Prevention Programs

Matthew Hirschtritt
Cleveland Clinic Lerner College of Medicine of Case Western Reserve
University of California, San Francisco
Research Advisor, PI, Bonnie Halpern-Felsher
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 331
Poster Session, Exhibit Hall C
The Role of Ethnicity and Gender in Perceived Sexual Norms among Adolescents

Lance Nelson
Michigan State University
College of Human Medicine
Indiana University School of Medicine
Research Advisor, PI, Mary Ott
Monday, 5/5/2014, 4:15 pm - 7:30 pm
Board: 355
Poster Session, Exhibit Hall C
The Influence of Age, Health Literacy and Affluence on Adolescents’ Capacity To Consent To Research
Katelyn Enzer  
Boston University School of Medicine  
Children’s Hospital, Boston  
Research Advisor, PI, Jean Emans  
Monday, 5/5/2014, 4:15 pm - 7:30 pm  
Board: 378  
Poster Session, Exhibit Hall C  
Understanding Weight Loss Goals of Racially/Ethnically Diverse Obese Adolescent Patients Seeking Care in an Obesity Treatment Program

Bridget Hughes  
University of Rochester  
School of Medicine and Dentistry  
Children’s Hospital Boston  
Research Advisor, PI, Lawrence Rhein  
Monday, 5/5/2014, 4:15 pm - 7:30 pm  
Board: 658  
Poster Session, Exhibit Hall C  
Characteristics of Infants Who Receive Bronchodilators in the NICU

Annmarie Fox  
Stritch School of Medicine, Loyola University  
Ann & Robert H. Lurie  
Children’s Hospital/Chicago  
Research Advisor, PI, Kimberley Dilley  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 23  
Poster Session, Exhibit Hall C  
Promoting Healthy Lifestyles for Patients and Families With Pediatric Cancer or Hematologic Disease

Sun Mei Liu  
SUNY Downstate Medical School  
Ron Matricaria Institute of Molecular Medicine at Phoenix Children’s Hospital  
Research Advisor, PI, Robert Arceci  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 26  
Poster Session, Exhibit Hall C  
Identifying the Extent To Which Mutated Genes from Two AML Studies Are Verified in PubMed

Onita Bhattasali  
Tulane University School of Medicine  
Albert Einstein College of Medicine - Montefiore  
Research Advisor, PI, Richard Gorlick  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 34  
Poster Session, Exhibit Hall C  
Osteosarcoma: Variation in Clinical Management of Pulmonary Nodules

Seema Anandalwar  
University of Medicine and Dentistry of New Jersey  
Children’s Hospital Boston  
Research Advisor, PI, Lawrence Rhein  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 224  
Poster Session, Exhibit Hall C  
Changes in Epidemiology and Outcomes in Infants With Pulmonary Hypertension and Bronchopulmonary Dysplasia

Board: 224A  
Poster Session, Exhibit Hall C  
Growth Velocity Correlates With Pulmonary Hypertension Course in Neonates With Pulmonary Hypertension and Bronchopulmonary Dysplasia

Board: 224B  
Poster Session, Exhibit Hall C  
Systemic Blood Pressure Correlation With Pulmonary Hypertension in Neonates With Bronchopulmonary Dysplasia

Linda Okai  
University of Maryland School of Medicine  
National Institutes of Health, Developmental Endocrinology Branch  
Research Advisor, PI, Jack Yanovski  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 333A  
Poster Session, Exhibit Hall C  
Adolescents With Melanocortin 3 Receptor (MC3R) 17C>A+241G>A Genotype Have High Ratings for Fatty Foods That Suggest a Mechanism for Their Greater Adiposity

Kruti Parikh  
Robert Wood Johnson Medical School  
Children’s Hospital of Philadelphia  
Research Advisor, PI, Albert Yan  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 575  
Poster Session, Exhibit Hall C  
Review and Evaluation of Dermatopathology Assessments To Categorize Themes (REDACT) Study

Xueming Zhang  
University of Maryland School of Medicine  
Children’s National Medical Center  
Research Advisor, PI, Andrea Gropman  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 595A  
Poster Session, Exhibit Hall C  
Understanding Biochemical Changes in Urea Cycle Disorders

Lisa Cao  
David Geffen School of Medicine at University of California, Los Angeles  
Indiana University School of Medicine  
Research Advisor, PI, Mary Ott  
Tuesday, 5/6/2014, 7:00 am - 11:00 am  
Board: 653  
Poster Session, Exhibit Hall C  
Assessing Resident Exposure To Adolescents in Their Clinic Home (REACH)

Samantha Gordon  
Loyola University Stritch School of Medicine  
Ann and Robert H Lurie Children’s Hospital/Chicago  
Research Advisor, PI, Debra Weese-Mayer  
Tuesday, 5/6/2014, 9:45 am - 11:45 am  
Board: 4  
Poster Symposium Session, East 119-120  
Ganglion Cell Presence Is Only Part of the Story: Gastrointestinal Symptoms as a Measure of Enteric Autonomic Dysfunction in CCHS (Congenital Central Hypoventilation Syndrome)
Planning begins soon!

What would you like to hear?

Your input and contributions are important!

Friends of the PAS Annual Meeting:
We are already hard at work planning the 2015 PAS Annual Meeting in San Diego, California, April 25-28, 2015 and we welcome your input!

Our meeting provides a venue for interdisciplinary scientific interactions. Our goal is to present a wide range of cutting-edge science, from basic to translational (pre-clinical), clinical and health services research that reflects our diverse pediatric academic disciplines. As always, we are committed to presenting a high-quality program addressing all aspects of academic pediatrics.

The 20145 program committee, chaired by Dr. D. Michael Foulds, includes representation from the PAS and a growing number of pediatric subspecialty societies who affiliate with the PAS including the American Society of Pediatric Nephrology; Association of Pediatric Program Directors; Child Health Translational Research Committee, Child Neurology Society, Federation of Pediatric Organizations, March of Dimes Foundation, International Pediatric Hypertension Association; International Society for Children’s Health and the Environment, Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; Pediatric Infectious Diseases Society; Society for Developmental and Behavioral Pediatrics; and Society for Adolescent Health and Medicine. This planning group will meet in July to select the invited science components of the PAS and joint programs.

We encourage you to submit a proposal or abstract for the PAS Annual Meeting in San Diego. Visit the PAS meeting website www.pas-meeting.org in early May for submission details.

The Pediatric Academic Societies (PAS) is also developing a list of potential Reviewers (original science abstract and workshop), as well as potential original science abstract Moderators, Discussants and Poster Facilitators for the 2015 PAS Annual Meeting in San Diego. Having a large and varied list of potential volunteers will enable PAS to actively engage more members in the meeting.

We encourage you to get involved and look forward to your thoughts and suggestions. Please mark your calendars with these important dates below and plan to join us in Washington next spring!

Proposal Instructions and electronic submission processes will be available on the PAS website in May/June

**Important Deadlines**

**Invited Science Proposal Submission Deadline:**
June 27, 2014

**Call for Reviewers Deadline:**
July 8, 2014

**Workshop Proposal Submission Deadline:**
September 3, 2014

**Original Science Abstract Submission Deadline:**
Mid November 2014
Members ... Participate!
Attend the Business Activities of Your Societies

**Academic Pediatric Association**
*Membership Meeting and Debate*
Sunday, May 4, 3:45pm–5:45pm
Vancouver Convention Centre, West 301-305

**American Pediatric Society**
*Members’ Networking Lunch*
Advance RSVP Required
Sunday, May 4, 12:00pm–1:00pm
Vancouver Convention Centre, West Ballroom D

**American Society Pediatric Nephrology**
*Presidential Address and Business Meeting*
Sunday, May 4, 3:30pm–5:30pm
Vancouver Convention Centre, West 211

**International Pediatric Hypertension Association**
*General Business Meeting*
Monday, May 5, 5:00pm–7:00pm
Vancouver Convention Centre, West 221

**Pediatric Endocrine Society**
*Plenary Session I, Business Meeting and Debate*
Saturday, May 3, 8:00am–11:10am
Vancouver Convention Centre, West 301-305

**Pediatric Infectious Diseases Society**
*Business Meeting*
Sunday, May 4, 5:30pm–6:30pm
Sheraton Vancouver Wall Centre, Pavilion C-D

**Society for Pediatric Research**
*Awards Reception*
Monday, May 5, 12:00pm–1:00pm
Vancouver Convention Centre, West Ballroom D

Alliance and Affiliate Partners
The PAS welcomes subspecialty societies and clubs who meet or co-host programming during the PAS/ASPR Joint Meeting. Together we share a common interest about the importance of children’s health, today and in the future. Attendance at an alliance or affiliate meeting is open; some requires a registration fee separate from the PAS, while others do not. Refer to the section on alliance and affiliate programming beginning on page 300 for general information and program details specific to each organization. Organizations that align with the PAS to host independent and/or joint programming in 2014 are:

- American Society of Pediatric Nephrology ASPN
- Asian Society for Pediatric Research ASPR
- Association of Pediatric Program Directors APPD
- Bilirubin Club
- Bioethics Interest Group
- Child Neurology Society CNS
- Child Health Translational Research Committee
- Directors of Research in Pediatrics
- Federation of Pediatric Organizations FOPO
- International Pediatric Hypertension Association IPHA
- International Society for Children’s Health and the Environment ISCHE
- Japan Pediatric Society JPS
- Kernicterus Symposium
- Lung Club
- March of Dimes Foundation MOD
- Milk Club
- Neonatal Feeding Club
- Neonatal Hemodynamics Club
- Neonatal Sepsis Club
- NICU Follow-Up Club
- North American Society for Pediatric Gastroenterology, Hepatology and Nutrition NASPGHAN
- Pediatric Endocrine Society PES
- Pediatric Hospitalists Club
- Pediatric Infectious Diseases Society PIDS
- Perinatal Brain Club
- Perinatal Nutrition and Metabolism Club
- Programme for Global Paediatric Research PGPR
- Society for Adolescent Health and Medicine SAHM
- Society for Developmental and Behavioral Pediatrics SDBP

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**PAS FUTURE MEETINGS**

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<td>2015</td>
<td>SAN DIEGO, CA</td>
<td>April 25 – April 28</td>
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<td>2016</td>
<td>BALTIMORE, MD</td>
<td>April 30 – May 3</td>
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<td>2017</td>
<td>SAN FRANCISCO, CA</td>
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<td>2018</td>
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### MEETING AT A GLANCE

**Time** | **Course #** | **Topic** | **Page #** | **Location, Room**
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**FRIDAY, MAY 2**

8:00 am–4:00 pm | 0100 | APA New Century Scholars Conference | ... | Sheraton Vancouver Wall Centre, Grand Ballroom D
8:00 am–5:30 pm | 0150 | APA Quality Improvement Conference | ... | Hyatt Regency Vancouver, Regency A, B, C
8:00 am–5:00 pm | 0200 | APA Educational Scholars Program | ... | Sheraton Vancouver Wall Centre, Pavilion Ballrooms
8:00 am–5:00 pm | 0225 | APA Research Scholars Program | ... | Sheraton Vancouver Wall Centre, Junior Ballrooms
8:00 am–6:00 pm | 0250A | APPD Forum for Fellowship Directors | ... | Fairmont Waterfront Vancouver, Mackenzie Ballroom
1:00 pm–6:30 pm | 0500 | APPD/APPA Core Curriculum Fellows’ Series: Track 1 | ... | VCC, West 121/122
1:00 pm–6:30 pm | 0520 | APPD/APPA Core Curriculum Fellows’ Series: Track 2 | ... | VCC, West 119/120
1:00 pm–6:30 pm | 0530 | APPD/APPA Core Curriculum Fellows’ Series: Track 3 | ... | VCC, West 118
4:00 pm–6:00 pm | 0540A | ASPR Council Meeting | ... | VCC, West 223/224
6:30 pm–7:30 pm | 0550 | APPD/APPA Core Curriculum Fellows’ Series: Reception | ... | VCC
7:00 pm–9:00 pm | 0575A | PES President’s Poster Reception | ... | Sheraton Vancouver Wall Centre, Grand Ballroom A/B + Passage

**SATURDAY, MAY 3**

7:00 am–8:00 am | 1050A | PES Practice Workshop: Practice Management | ... | VCC, West 223-224
7:00 am–8:00 am | 1055A | PES Meet the Professor: Precocious Puberty | ... | VCC, West 220
7:00 am–8:00 am | 1060A | ASPN Coffee and Light Breakfast with Pediatric Nephrology Fellows and Faculty | ... | VCC, West 219
7:00 am–9:00 am | 1075A | Bilirubin Club: Newborn Screening for GeF2D Deficiency | ... | Pan Pacific Vancouver, Crystal Pavilion A
8:00 am–10:00 am | 1100 | ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform | ... | VCC, East 12
1105 | Bench-to-Bassinet: The Genetics of Congenital Heart Disease | ... | VCC, West 109
1115 | Humanized Mouse Models for Studying Disease | ... | VCC, West 212/213
1120 | Multi-Systems Approach to Identifying Biomarkers of Neonatal Pulmonary Disease in Preterm Infants, from Bench to Bedside | ... | VCC, West Ballroom C
1130 | Pediatric Kidney Stones | ... | VCC, West 211
1135 | Pharmacotherapy for ADHD: New Findings and Old Controversies | ... | VCC, East 10
1140 | Unconscious Bias and Diversity in Pediatrics: Walking the Walk | ... | VCC, East 11
1145 | Why Are Health Outcomes for Children and Youth Lower in the US Than in Our Peer Nations? | ... | VCC, East Ballroom C

**Original Science Abstract Sessions**

1150 | Pediatric Clinical Translational Research | ... | VCC, West 119/120
1155 | Original Science Abstract Sessions | ... | VCC
1155 | General Pediatrics: Obesity I | ... | VCC, East 13
1160 | Historical Perspectives | ... | VCC, West 201
1165 | Infectious Diseases | ... | VCC, West 121-122
1170 | Medical Education: Assessments & Milestones | ... | VCC, East 8
1175 | Neonatal-Neurodevelopmental Outcomes | ... | VCC, West Ballroom B
1180 | Neonatal Resuscitation | ... | VCC, West Ballroom A
1185 | Perinatal Brain Imaging | ... | VCC, West 118
1190 | Strategies for Prevention in Newborn Populations | ... | VCC, West 110

8:00 am–11:00 am | 1225A | PES Plenary Session I: Business Meeting and Debate | ... | VCC, West 301/305
8:00 am–11:30 am | 1230A | PES/PAS/APPD Core Curriculum Fellows’ Series: Track 1 | ... | VCC, West 223-224
8:30 am–11:30 am | 1240A | PES Plenary Session I: Business Meeting and Debate | ... | VCC, West 301/305
8:30 am–11:30 am | 1240A | PES Plenary Session I: Business Meeting and Debate | ... | VCC, West 301/305

**Worksshops**

1250 | Are You Under-Equipped Yourself: Enhancing Quality and Improving Processes with Lean Methodologies | ... | VCC, East 14
1252 | Blogs and Wikis and Feeds, Oh My! Using Web Technologies to Get Your Project Done | ... | VCC, East 15
1254 | Defanging Comparative Effectiveness Research (CER): Methods: Taking the Fear Out of Statistics | ... | VCC, East 16
1256 | Designing Surveys to Effectively Measure Outcomes in Research, Quality Improvement, and Educational Projects | ... | VCC, West 214
1258 | Getting the Most Out of Quality Improvement: A Practical Introduction to Statistical Process Control and Using Run and Control Charts | ... | VCC, West 215
1260 | Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It | ... | VCC, East 17
1262 | Maximizing Engagement of Millennial Learners with Innovative Educational Technologies | ... | VCC, East 18
1264 | On the Humanities! Utilizing Medical Readers’ Theater to Train Faculty and Residents On the Professionalism Milestones | ... | VCC, East 19
1266 | On the Path to Success: Essential Skills for Women in Academic Medicine | ... | VCC, West 202
1268 | The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity | ... | VCC, West 203
1270 | The Unwritten Rules of Mentorship | ... | VCC, West 221
1272 | Transforming the Morbidity and Mortality Conference into a Powerful Tool for Improving Safety and Quality | ... | VCC, West 222

**APA Special Interest Groups**

1280 | Academic Fellows | ... | VCC, West 114
1282 | Complex Care | ... | VCC, West 220
1284 | Developmental-Behavioral Pediatrics | ... | VCC, West 113
1286 | Faculty Development | ... | VCC, West 216
1288 | Hospital Medicine | ... | VCC, West 306
1290 | LGBTQ Health and Wellbeing | ... | VCC, West 115

10:30 am–12:30 pm | 1300A | ASPR Presidential Plenary Awards and Business Meeting | ... | VCC, West 223-224

**Innovated Science**

1350 | Beyond Milestones Reporting: Using Milestones to Help Our Trainees | ... | VCC, East 8
1352 | Cleftiopathies | ... | VCC, West 109
1355A | Congenital and Perinatal Infections: Current Concepts and Updates | ... | VCC, West Ballroom B
1360 | Is Health Reform Working for Children? State Implementation of the Affordable Care Act and Its Consequences for Access to Care and the Practice Pediatrics | ... | VCC, East 12
1365 | Neonatal Pain: Lost in Translation | ... | VCC, West Ballroom C
1370 | State of the Art and Science of Neonatal/Pediatric Extracorporeal Support | ... | VCC, West 121-122

**Original Science Abstract Sessions**

1400 | AEsps & Control of Breathing | ... | VCC, West 118
1405 | Behavior Initiation & Health Screening | ... | VCC, East 10
1410 | Cardiology | ... | VCC, West 111-112
MEETING AT A GLANCE
PAS/ASPR 2014
VANCOUVER

COURSE NUMBERING KEY
0000 – 0999 Prior to Meeting – Friday, May 2
1000 – 1999 Day 1 – Saturday, May 3
2000 – 2999 Day 2 – Sunday, May 4
3000 – 3999 Day 3 – Monday, May 5
4000 – 4999 Day 4 – Tuesday, May 6

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<td>Microbiome</td>
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<td>General Pediatrics: Underserved</td>
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<td>Medical Student Education/Pediatric Residents</td>
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<td>Pediatric Clinical Research Networks</td>
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<td>APA Global Health Task Force: Developing Faculty Competencies in Global Child Health</td>
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<td>2300</td>
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<td>APS Presidential Plenary and Awards</td>
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<td>10:15 am–11:45 am</td>
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<td>Pathways Shaping the Early Origins of Childhood Mental Health: The Developmental Effects of Prenatal Mood, Stress, and Antidepressants</td>
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<td>Problematic Internet Use among Youth: Harm or Hypo?</td>
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<td>New Insights into PDA</td>
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<td>NICU Quality Improvement</td>
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<td>Pediatric Palliative Care</td>
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<td>IPSA Workshop: Ambulatory Blood Pressure Measurement (ABPM)</td>
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<td>Perinatal Brain: Old Drugs – New Uses for Neuroprotection – Are They Ready for Prime Time?</td>
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<td>APS Members’ Networking Lunch (Restricted to APS Members / Advance RSVP Required)</td>
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<td>An Introduction to the Cochrane Collaboration’s Methods for Conducting Systematic Reviews</td>
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<td>Building Academic Partnerships in Pediatric Global Health at Home and Abroad</td>
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<td>Life-Work Balance: Survival Strategies To Achieve Personal Satisfaction While Pursuing Professional Advancement</td>
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<td>Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization</td>
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<td>Mastering the Art of Quality Improvement: A Recipe for Success!</td>
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<td>Multiple Mini Interviews: Creating and Implementing MW Questions and Scoring for Resident Interviews</td>
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<td>Multivariate Regression Techniques for Pediatric Clinical Research</td>
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<td>Navigating Career Development Awards</td>
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<td>Preparing for a New Leadership Position: On-Boarding Strategies for Success</td>
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<td>Tips, Tools and Tricks for Teaching Behavioral and Mental Health in Continuity Clinics</td>
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<td>Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program</td>
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<td>Web-Based Global Health Education in Residency: The Global Child Health Educational Modules</td>
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<td>Invited Science: The Emergence of Resting State Brain Activity and Stream of Consciousness</td>
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<td>Invited Science: The Human Microbiome: A New View on Childhood Biology</td>
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<td>Invited Science: The Systems Biology of Complex and Rare Pediatric Diseases</td>
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<td>Neonatal Neurology: Clinical–Brain Monitoring &amp; Seizures</td>
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**MONDAY, MAY 5**

7:00 am–8:00 am

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**Location, Room**

- Sheraton Vancouver Wall Centre, Pavilion CD
- Pan Pacific Vancouver, Oceanview 6
- Pan Pacific Vancouver, Oceanview 8
- Pan Pacific Vancouver, Oceanview 1
- Pan Pacific Vancouver, Oceanview 2
- Pan Pacific Vancouver, Oceanview 3
MEETING AT A GLANCE
MONDAY

0000 – 0999 Prior to Meeting – Friday, May 2
1000 – 1999 Day 1 – Saturday, May 3
2000 – 2999 Day 2 – Sunday, May 4
3000 – 3999 Day 3 – Monday, May 5
4000 – 4999 Day 4 – Tuesday, May 6

Time Course # Topic Page # Location, Room
3036 APA Regional Breakfast Region VIII 202 Pan Pacific Vancouver, Oceanview 4
3028 APA Regional Breakfast Region X and X 202 Pan Pacific Vancouver, Oceanview 7
7:00 am–8:00 am
3040 APA Practice Workshop: D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes 202 VCC, West 301-305
3050 APA The Pediatric Public Policy 2014 Legislative Breakfast: Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding 202 VCC, West 111-112
7:00 am–8:00 am
8:00 am–10:00 am
3100 Driving Change in Child Health Care: Successes and Challenges in Quality Measurement 203 VCC, East 12
3103A PES Symposium: Endorse Issues in the Childhood Cancer Survivor 203 VCC, West 301-305
3105A A Patient Priority: Improving Industrial Adaptation and Prevents NECI 203 VCC, West Ballroom A
3110 Evidence, Quality, Efficiency and Waste: Solving the Value Equation in Neonatal Intensive Care 204 VCC, West 119-120
3120 Kawasaki Disease: New Paradigms 204 VCC, West 118
3125A Marsh of Dimes Basil O’Connor Symposium 204 VCC, West 214
3130 Newly Discovered Disorders of the HPT Axis and Thyroid Hormone Action 205 VCC, West 306

PES Special Symposium
3135 Invited Science
3140 Stigma, Outcast and Bullying: Dangers, Prevention and Interventions 205 VCC, East Ballroom B
3150 The Carebenn – An Emerging Target for Improving Outcomes after Prematurity 206 VCC, West Ballroom B
3170 Evaluation Big Data Management in Infants and Children with Pulmonary and Implications for Pediatric Research 206 VCC, West 109
3155 What’s Hot in Pediatric Research: Highlights of the Annual Review Issue 207 VCC, West 212-213

Original Science Abstract Sessions
3160 Invited Science
3165 Clinical Biomech 207 VCC, West 110
3170 General Pediatrics Medical Homes 207 VCC, East 11
3170 Hospitalist Medicine II 207 VCC, East Ballroom A
3175 Hypertension Research in 2014 207 VCC, West 211
3185 Neonatal Intensive Care 208 VCC, West 223-224
3190 Nutrition, Brain Growth & Neurodevelopment 208 VCC, West 220

Workshops
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics 209 VCC, East 7
3222 Clinical Breathing Medicine for the Busy Academic Pediatrician 209 VCC, East 13
3224 Direct Observation, Competency-Based Assessment and Learner-Centered Feedback: Making the OSCE Work For You 210 VCC, East 9
3226 Effective, Efficient and Innovative Medical Student and Resident Teaching: What Is It? Can’t Be Done? 210 VCC, West 12-1122
3230 Helping Teachers Create Better Healthcare Simulations for their Learners 210 VCC, East 17
3232 Keys To Successful Manuscript Writing, Journal Submission, Peer-review, and Publication 211 VCC, East 19
3234 Promotion of Positive Parenting During Pediatric Visits 211 VCC, East 18
3236 Social Media and Medical Education Programs: Policy, Professionalism, and Opportunity in the Age of Facebook 211 VCC, East Parkview 1
3238 Takes from Portlandia: Navigating the Unconventional in General Pediatrics 211 VCC, West 222
3240 Time Management for Physicians 101 Or 911 212 VCC, West 221
3242 Using the AACN Toolkit for Evaluating Educators: How Can It Help Me at My Institution? 212 VCC, West 217
3244 Your Educational Scholarly Project: From Idea to Design to Dissemination 212 VCC, West 204

APA Special Interest Groups
3250 Evidence Based Pediatrics 212 VCC, East 14
3252 Global Health 213 VCC, West 122
3254 Health Literacy 213 VCC, West 114
3256 Injury Control 213 VCC, West 113
3258 Obesity 213 VCC, East 10
3260 Quality Improvement/Race in Medicine 213 VCC, East 20
3262 Serving the Underserved/Teaching in Community Settings 213 VCC, East Parkview 2-3
3275A ASPN Workshop: Unravel the Know Best of Pediatric Nephrology in 2013-14 214 VCC, West 201

SPR Presidential Plenary and Awards
3300 SPR Presidential Plenary and Awards 214 VCC, West Ballroom C

Invited Science
3325 Educating Physicians for the Future 216 VCC, East 11
3330 Rare Diseases: Where Are We, Where Are We Going, Why Does It Matter? 216 VCC, West 109
3335 Beyond transition plans for youth with chronic health conditions: International perspectives, program development, shared care with adult providers, youth engagement 216 VCC, West 220
3340 Environmental Hazards: How big is the global burden of disease? 217 VCC, West 212-213
3345 Evaluation and Management of Inhaled Asthma in Children with Pulmonary Hypertensive Vascular Disease 217 VCC, West Ballroom A
3347 Every Newborn: Question 217 VCC, East Ballroom A
3350 Innovative Models in Pediatric Health Care Delivery 218 VCC, West 119-120
3355A ASPN Symposium: Osteoarthritis and Pediatric Disorders – Current Concepts for Clinical Practice 218 VCC, West 118
3357A RSD Symposium: Pediatric Infections Diseases Guidelines: Issues and Controversies 218 VCC, West 202

Original Science Abstract Sessions
3360A PES Presidential Lecture and Plenary Session II 219 VCC, West 301-305

Developmental Biology
3365 Disparities in Health Care by Demographics, Condition & Community Characteristics 219 VCC, West 111-112
3370 Emergency Medicine II 220 VCC, West 223-224
3372 General Pediatrics: Data Driven Change 220 VCC, West Ballroom B
3375 Environmental Hazards: How big is the global burden of disease? 221 VCC, West 211
3380 A Patient Priority: Improving Industrial Adaptation and Prevents NECI 221 VCC, West 306
3385A A Patient Priority: Improving Industrial Adaptation and Prevents NECI 221 VCC, West 306

APA Luncheons
3410 A Patient Priority: Improving Industrial Adaptation and Prevents NECI 222 Pan Pacific Vancouver, Oceanview 5
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<td>PIDS Blue Ribbon Session</td>
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<td>Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies in Human Infants</td>
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<td>The Clinical Competency Committee: Challenges to Their Development, Strategies for Their Implementation</td>
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<td>2:10 pm – 2:25 pm</td>
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<td>Sexually Transmitted Infections</td>
<td>248</td>
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<tr>
<td>2:25 pm – 2:40 pm</td>
<td>3831</td>
<td>Prevention &amp; Public Health</td>
<td>248</td>
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<tr>
<td>2:40 pm – 2:55 pm</td>
<td>3832</td>
<td>Obesity, Nutrition &amp; Disordered Eating</td>
<td>248</td>
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<tr>
<td>2:55 pm – 3:10 pm</td>
<td>3833</td>
<td>Contraception</td>
<td>249</td>
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<tr>
<td>3:10 pm – 4:15 pm</td>
<td>3834</td>
<td>Emergency Medicine</td>
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<tr>
<td>4:15 pm – 4:30 pm</td>
<td>3835</td>
<td>Psychiatric Issues / Screening</td>
<td>249</td>
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<tr>
<td>4:30 pm – 4:45 pm</td>
<td>3836</td>
<td>Gastrointestinal Emergencies</td>
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<tr>
<td>4:45 pm – 5:00 pm</td>
<td>3837</td>
<td>Quality Improvement</td>
<td>250</td>
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<tr>
<td>5:00 pm – 5:15 pm</td>
<td>3838</td>
<td>Administrative Health Services</td>
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<tr>
<td>5:15 pm – 5:30 pm</td>
<td>3839</td>
<td>Respiratory / Asthma</td>
<td>251</td>
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<td>5:30 pm – 6:00 pm</td>
<td>3840</td>
<td>Medical Education</td>
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<td>6:00 pm – 6:15 pm</td>
<td>3841</td>
<td>Curriculum</td>
<td>251</td>
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<tr>
<td>6:15 pm – 6:30 pm</td>
<td>3842</td>
<td>Feedback &amp; Assessment</td>
<td>252</td>
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<tr>
<td>6:30 pm – 6:45 pm</td>
<td>3843</td>
<td>Quality &amp; Patient Safety</td>
<td>253</td>
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<tr>
<td>6:45 pm – 7:00 pm</td>
<td>3844</td>
<td>Technology</td>
<td>253</td>
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<tr>
<td>7:00 pm – 7:15 pm</td>
<td>3845</td>
<td>Neonatology</td>
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<tr>
<td>7:15 pm – 8:00 pm</td>
<td>3846</td>
<td>Neonatal Resuscitation</td>
<td>253</td>
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<tr>
<td>8:00 pm – 8:15 pm</td>
<td>3847</td>
<td>Neonatal Practices, Procedures &amp; Quality Improvement</td>
<td>255</td>
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<tr>
<td>8:15 pm – 8:30 pm</td>
<td>3848</td>
<td>Neonatal Pathology</td>
<td>257</td>
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<tr>
<td>8:30 pm – 8:45 pm</td>
<td>3849</td>
<td>Neonatal Epidemiology &amp; Heart Services Research</td>
<td>259</td>
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<tr>
<td>8:45 pm – 9:00 pm</td>
<td>3850</td>
<td>Neonatology / Retinopathy of Prematurity</td>
<td></td>
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<tr>
<td>9:00 pm – 9:15 pm</td>
<td>3851</td>
<td>Pathogenesis / Angiogenesis</td>
<td>261</td>
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<tr>
<td>9:15 pm – 9:30 pm</td>
<td>3852</td>
<td>Screening / Risk Assessment</td>
<td>261</td>
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<tr>
<td>9:30 pm – 9:45 pm</td>
<td>3853</td>
<td>Treatment &amp; Prevention</td>
<td>262</td>
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<tr>
<td>9:45 pm – 10:00 pm</td>
<td>3854</td>
<td>Lung Club: The Newborn Lung: Handle with Care!</td>
<td>262</td>
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<tr>
<td>11:00 am – 11:15 am</td>
<td>3982</td>
<td>Fairmont Waterfront Vancouver, Waterfront Ballroom</td>
<td></td>
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<td>11:15 am – 11:30 am</td>
<td>3983</td>
<td>VCC, Hall B/C</td>
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<td>11:30 am – 11:45 am</td>
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<td>VCC, Hall B/C</td>
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<td>11:45 am – 12:00 am</td>
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<td>VCC, Hall B/C</td>
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<td>VCC, Hall B/C</td>
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<td>VCC, Hall B/C</td>
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<td>VCC, Hall B/C</td>
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<tr>
<td>Time</td>
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<td>Topic</td>
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<td>8:00 am–10:00 am</td>
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<td><strong>Invited Science</strong></td>
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<tr>
<td>8:00 am–10:00 am</td>
<td>4200</td>
<td>Immunization: Challenges and New Approaches</td>
<td>284</td>
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<tr>
<td>8:00 am–10:00 am</td>
<td>4205</td>
<td>Maternal – Fetal Interface: Balancing Fetal Tolerance and Pathogen Defense</td>
<td>284</td>
</tr>
<tr>
<td>9:00–12:00 pm</td>
<td>4210A</td>
<td>ASPIN Workshop: Peritoneal Dialysis Update: 2014</td>
<td>285</td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td></td>
<td><strong>APA Special Interest Groups</strong></td>
<td></td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td>4230</td>
<td>Advocacy Training</td>
<td>285</td>
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<td>9:00 am–12:00 pm</td>
<td>4232</td>
<td>Continuity</td>
<td>285</td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td>4234</td>
<td>eLearning in Medical Education</td>
<td>285</td>
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<td>9:00 am–12:00 pm</td>
<td>4236</td>
<td>Ethics</td>
<td>285</td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td>4238</td>
<td>Health Care Transition and Disease Self-Management</td>
<td>286</td>
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<td>9:00 am–12:00 pm</td>
<td>4240</td>
<td>Nutrition</td>
<td>286</td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td>4242</td>
<td>Simulation-Based Medical Education (SBME)</td>
<td>286</td>
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<tr>
<td>9:00 am–12:00 pm</td>
<td>4244</td>
<td>Women in Medicine</td>
<td>286</td>
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<tr>
<td>9:30 am–11:30 am</td>
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<td><strong>Workshops</strong></td>
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<tr>
<td>9:30 am–11:30 am</td>
<td>4250</td>
<td>Practical Pharmacogenetics: Real Life Interpretation of Clinical Testing for Genotype-Guided Pharmacologic Therapy</td>
<td>286</td>
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<tr>
<td>9:30 am–11:30 am</td>
<td>4252</td>
<td>Communicate Your Curriculum Vitae and Personalize Your Personal Statement/Bio-Sketch</td>
<td>286</td>
</tr>
<tr>
<td>9:30 am–11:30 am</td>
<td>4254</td>
<td>Doctor, Who’s the Answer? How to Respond to Patients’ Top Environmental Questions</td>
<td>287</td>
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<tr>
<td>9:30 am–11:30 am</td>
<td>4256</td>
<td>Everything But the Research: How to Write the Candidate Information Section of a Successful K Award Application</td>
<td>287</td>
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<td>9:30 am–11:30 am</td>
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<td><strong>Invited Science</strong></td>
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<tr>
<td>9:30 am–11:30 am</td>
<td>4272</td>
<td>Writing and Publishing Quality Improvement</td>
<td>289</td>
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<td>9:45 am–11:45 am</td>
<td></td>
<td><strong>Original Science Abstract Sessions</strong></td>
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<tr>
<td>9:45 am–11:45 am</td>
<td>4450</td>
<td>Anesthesiology and the Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits in Learning and Behavior?</td>
<td>289</td>
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<tr>
<td>9:45 am–11:45 am</td>
<td>4460</td>
<td>Is There a Doctor in the House?</td>
<td>290</td>
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<tr>
<td>9:45 am–11:45 am</td>
<td>4465</td>
<td>Media Violence and Real World Aggression: State of the Science and What Public Health Implications</td>
<td>290</td>
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<td>9:45 am–11:45 am</td>
<td>4470</td>
<td>Nephrotic Syndrome Up to Date</td>
<td>290</td>
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<td>9:45 am–11:45 am</td>
<td>4475</td>
<td>Understanding Food Protein Induced Enterocolitis Syndrome (FPIES) and Other Manifestations of Non-IgE-Mediated Food Allergy in Children</td>
<td>291</td>
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<tr>
<td>10:30 am–12:30 pm</td>
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<td><strong>Invited Science</strong></td>
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<tr>
<td>10:30 am–12:30 pm</td>
<td>4580</td>
<td>Emerging and Challenging Infections in Infancy and Childhood</td>
<td>295</td>
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<tr>
<td>10:30 am–12:30 pm</td>
<td>4605A</td>
<td>ASPIN Symposium: Crossing the Immune Barrier</td>
<td>295</td>
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<tr>
<td>10:30 am–12:30 pm</td>
<td>4610A</td>
<td>ASPIN Symposium: Emerging and Re-Emerging Infectious Diseases in Asia and Beyond</td>
<td>295</td>
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<tr>
<td>10:30 am–12:30 pm</td>
<td>4615</td>
<td>Gastrointestinal Diseases in the NICU and Beyond</td>
<td>295</td>
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<tr>
<td>10:30 am–12:30 pm</td>
<td>4620</td>
<td>Non Communicable Diseases – A Global Child Health Challenge</td>
<td>296</td>
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<td>12:15 pm–2:15 pm</td>
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<td><strong>Original Science Abstract Sessions</strong></td>
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<td>12:15 pm–2:15 pm</td>
<td>4650</td>
<td>Animal Models of Hypoxic/Ischemic Brain Injury</td>
<td>296</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4655</td>
<td>Cardiovascular Regulation &amp; Neurological Outcomes</td>
<td>296</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4660</td>
<td>Children with Special Health Care Needs: A Population Approach</td>
<td>297</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4665</td>
<td>Epidemiologic Trends, Risk Factors &amp; Patterns</td>
<td>297</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4670</td>
<td>General Pediatrics: Behavior / Development</td>
<td>297</td>
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<td>12:15 pm–2:15 pm</td>
<td>4675</td>
<td>Hematology / Oncology</td>
<td>298</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4680</td>
<td>Neonatal Medicine: Pulmonary Clinical Trials</td>
<td>298</td>
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<tr>
<td>12:15 pm–2:15 pm</td>
<td>4685</td>
<td>Perinatal Management of the Very Preterm</td>
<td>298</td>
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<td>12:30 pm–2:30 pm</td>
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<td><strong>Invited Science</strong></td>
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<tr>
<td>12:30 pm–2:30 pm</td>
<td>4725</td>
<td>Neonatal Sepsis: A Global Challenge</td>
<td>299</td>
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Educational Scholars Program

Who are our Scholars? Our scholars are present or future faculty in academic pediatrics who wish to build their skills in educational scholarship. Since 2006, we have granted Certificates of Excellence in Educational Scholarship to 59 scholars, who represent a variety of pediatric academic disciplines, including general pediatrics, hospital medicine, and many pediatric subspecialties. This year we have 40 active scholars in the program. The selection of participants is competitive, and is based on a review of an application which includes a personal statement, project proposal, CV, and letters of reference. Scholars must be or become a member of the Academic Pediatric Association.

What does the ESP curriculum include? Briefly, the curriculum includes three didactic sessions, review of workshops at the PAS meeting, completion of learning modules between PAS meetings, development of an educator portfolio, and completion of a mentored project. Scholars are expected to commit 10% FTE to the program in order to complete the full curriculum, including projects, over 3 years. They pay an enrollment fee of $5000.

- **Didactic sessions.** The core curriculum is taught in 8-hour didactic/interactive sessions offered each year at PAS for three consecutive years. The sessions include both discussions of theory and practical, hands-on activities, with many opportunities for collegial interactions. Encouragement of networking among Scholars is a high priority for the program.

- **Workshop review.** In Year 1, Scholars must thoughtfully evaluate two PAS workshops, symposia, or other organized educational activities at the PAS meeting.

- **Intersession activities.** Between PAS meetings, scholars communicate via telephone and the program website, complete reading assignments, and develop an educator portfolio.

- **Mentored projects.** The self-directed, experiential component of the program is a mentored, scholarly educational project. Development of creative content and formats for projects is encouraged. Scholars are responsible for finding their own mentors; an ESP faculty advisor is also assigned to each scholar. Projects must culminate in a peer reviewed publication or a peer reviewed presentation or workshop at meetings of the PAS, AAMC, or an equivalent organization.

What are the requirements for obtaining a Certificate of Excellence? Scholars must:

- Attend the full duration of the three teaching sessions at PAS (8 hrs each over three years).
- Complete all curriculum activities described above.
- Conduct a mentored project, documented by annual progress reports. At completion of the project, the Scholar must provide evidence of a successfully peer reviewed presentation or publication related to the project.

How to apply? Online applications for Cohort 2 which will begin the program in May 2014 will be due in early December, 2013. The selection of participants is competitive, and is based on a review of an application which includes a project proposal, CV, and letters of reference. Scholars must be or become a member of the Academic Pediatric Association.

Research Scholars Program

The APA Research Scholars Program is designed to help APA members interested in enhancing their academic credentials to develop research skills and to plan, implement, and write-up a research project. The mission of the APA Research Scholars Program is to assist pediatric clinician-educators and clinician-researchers in developing themselves as fulfilled faculty members engaged in important and exciting research and to increase the quality and breadth of child health research.

Who are our Scholars? Scholars who represent a variety of pediatric academic disciplines, including Hospital Medicine, Pediatric Emergency Medicine, Child Abuse, General Academic Pediatrics and Medical Education.

What does the RSP curriculum include? Briefly, the curriculum includes attending three didactic sessions at PAS, attending monthly wiki-based webinars, completion of required intersession assignments, and completion of a mentored project. Scholars are expected to commit 10% FTE to the program in order to complete the full curriculum, including projects, over 3 years. They pay an enrollment fee of $5000.

- **Didactic sessions.** The core curriculum is taught in 8-hour didactic/interactive sessions offered each year at PAS for three consecutive years.
- **Intersession activities.** Between PAS meetings, scholars communicate via telephone and the program website, complete reading assignments, and participate in a bi-monthly wiki based webinar.
- **Mentored projects.** The self-directed, experiential component of the program is a mentored research project. Development of creative content and formats for projects is encouraged. Scholars are responsible for finding their own mentors; an RSP faculty advisor is also assigned to each scholar.

What are the requirements for obtaining a Certificate in Research Scholarship? Scholars must:

- Attend the full duration of the three teaching sessions at PAS (8 hrs each over three years) and suggested workshops.
- Complete all curriculum activities described above.
- Conduct a mentored project, documented by annual progress reports. At completion of the project, the Scholar must provide evidence of a successfully peer reviewed presentation or publication related to the project.

How to apply? Online applications for Cohort 2 which will begin the program in May 2014 will be due in early December, 2013. The selection of participants is competitive, and is based on a review of an application which includes a project proposal, CV, and letters of reference. Scholars must be or become a member of the Academic Pediatric Association.

Who is leading this program? The Research Scholars Program is sponsored by the Academic Pediatric Association and directed by Benard Dreyer (benard.dreyer@nyumc.org).

Contact: Allison Hartle at the APA National Office, email: allison@academicpeds.org, phone: 703-556-9222.
The Annual Advancing Quality Improve Science for Children’s Healthcare Research is an annual pre course meeting that happens the day prior to the start of PAS and is sponsored by the Academic Pediatric Association. This unique meeting focuses on state-of-the-art methods for pediatric healthcare quality improvement (QI) research and brings together leaders and innovators in pediatric QI research. Join us at future meetings for exciting workshop sessions, networking and a poster session.

Previous meeting topics have included:

- The Anatomy of a Quality Measure
- Advanced Application of Interrupted Time Series Analysis
- Bridging Classical Biostatistical Methods & QI Research
- Cluster Randomized Controlled Trials
- Context in Quality-Improvement Research
- Estimating the Value of QI: Organizational Perspectives on the Cost per Unit of Improved Quality
- The Fundamentals of Quality-Improvement: How to Do QI
- To IRB or not to IRB, That is the Question
- Interrupted Time Series
- Quality Improvement Works in Progress
- Regression Risk Analysis
- Stepped Wedge Designs
- Statistical Process Control in QI Research
- Survey of Quality-Improvement Intervention Research Methods

The meeting allows attendees to discuss challenges of using these methods and develop an agenda for further improving and applying QI research methodologies, as well as integrating evidence-based quality improvement strategies into front-line QI efforts such as maintenance of certification.

All Individuals with interest and/or experience in how to conduct, evaluate, apply, or interpret quality improvement research are encouraged to attend. For more information please visit www.academicpeds.org or email info@academicpeds.org.
Core Curriculum for ABP Subspecialty Training

The PAS is particularly dedicated to the education of trainees and continues to provide a comprehensive core curriculum for fellows that address areas of academic development identified in the guidelines summarized in the American Board of Pediatrics Guidelines for Fellowship Training. Workshops scheduled throughout the PAS meeting focus on skill and knowledge acquisition that are appropriate for individuals at the fellowship level of training and provide a foundation for those who may not have had exposure to some required topics, as well as those who wish to pursue a topic in greater depth in the future. It is intended that these themes will repeat each year so individual curriculums can be created to complement education provided by local fellowship training programs. Certificates of completion will be distributed to participants in attendance who have signed in and provided their email address.

FRIDAY, MAY 2

1:00 PM–7:30 PM

0500  PAS/APPD Core Curriculum Fellows’ Series: Track 1
      Vancouver Convention Centre, West 121-122
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

1:00 PM–7:30 PM

0520  PAS/APPD Core Curriculum Fellows’ Series: Track 2
      Vancouver Convention Centre, West 119-120
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

1:00 PM–7:30 PM

0530  PAS/APPD Core Curriculum Fellows’ Series: Track 3
      Vancouver Convention Centre, West 118
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

SATURDAY, MAY 3

8:30 AM–11:30 AM

1256  Designing Surveys to Effectively Measure Outcomes in Research, Quality Improvement, and Educational Projects
      Vancouver Convention Centre, West 214
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

8:30 AM–11:30 AM

1260  Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It!
      Vancouver Convention Centre, East 17
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

8:30 AM–11:30 AM

1264  Oh the Humanities! Utilizing Medical Readers’ Theater to Train Faculty and Residents On the Professionalism Milestones
      Vancouver Convention Centre, East 19
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

8:30 AM–11:30 AM

1270  The Unwritten Rules of Mentorship
      Vancouver Convention Centre, West 221
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

8:30 AM–11:30 AM

1280  Academic Fellows
      Vancouver Convention Centre, West 114
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

2:45 PM–4:45 PM

1607  Childhood Poverty and Its Consequences: Potential Solutions
      Vancouver Convention Centre, East Ballroom B
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series
2:45 PM–4:45 PM
1610 Clinical Challenges in Pediatric Antibiotic Management
Vancouver Convention Centre, Parkview Ballroom
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

2:45 PM–4:45 PM
1704 Delving Deeper Into Qualitative Research Methods: Philosophical Frameworks and Qualitative Analysis
Vancouver Convention Centre, East 15
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

2:45 PM–4:45 PM
1714 Navigating The IRB Submission Process: Smooth Sailing vs Stormy Seas
Vancouver Convention Centre, West 215
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

2:45 PM–4:45 PM
1728 Work-Life Balance in Pediatrics: Tipping the Scale
Vancouver Convention Centre, West 219
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

2:45 PM–4:45 PM
1734 Fellowship Training
Vancouver Convention Centre, West 210
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

SUNDAY, MAY 4

8:00 AM–11:00 AM
2220 A Child’s Last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff
Vancouver Convention Centre, East 14
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:00 AM–11:00 AM
2228 Creating Effective Workshops: Moving from Good to Great
Vancouver Convention Centre, West 115
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:00 AM–11:00 AM
2230 D.R.E.A.M.ing about Validity In Educational Assessment
Vancouver Convention Centre, West 117
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:00 AM–11:00 AM
2242 Quality Improvement Science - Data Collection and Analysis Techniques
Vancouver Convention Centre, West 116
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:00 AM–11:00 AM
2244 Star Child Health: Leading Edge Methodological Approaches for RCTS In Children
Vancouver Convention Centre, West 215
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

12:00 PM–3:00 PM
2460 An Introduction to the Cochrane Collaboration’s Methods for Conducting Systematic Reviews
Vancouver Convention Centre, East 14
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

12:00 PM–3:00 PM
2468 Mastering the Art of Quality Improvement: A Recipe for Success!
Vancouver Convention Centre, West 202
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

12:00 PM–3:00 PM
2474 Navigating Career Development Awards
Vancouver Convention Centre, East 16
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

12:30 PM–2:30 PM
2495 Home Visiting: Opportunities to Enhance Early Childhood Health
Vancouver Convention Centre, East 12
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

1:00 PM–3:00 PM
2670A New Developments and Controversies in Tick-Borne Diseases
Vancouver Convention Centre, East Ballroom B
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series
MONDAY, MAY 5

8:00 AM - 10:00 AM
3160 Clinical Bioethics
Vancouver Convention Centre, West 110
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics
Vancouver Convention Centre, East 7
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3226 Effective, Efficient and Innovative Medical Student and Resident Teaching: Who Says It Can’t Be Done?
Vancouver Convention Centre, West 121-122
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3232 Keys To Successful Manuscript Writing, Journal Submission, Peer-review, and Publication
Vancouver Convention Centre, East 19
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3240 Time Management for Physicians 101 Or 911?
Vancouver Convention Centre, West 221
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3244 Your Educational Scholarly Project: From Idea to Design to Dissemination
Vancouver Convention Centre, West 204
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

8:30 AM - 11:30 AM
3254 Health Literacy
Vancouver Convention Centre, West 114
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

10:30 AM - 12:30 PM
3350 Innovative Models in Pediatric Health Care Delivery
Vancouver Convention Centre, West 119-120
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

3:30 PM - 5:30 PM
3720 Do You Agree with National Guidelines?
Vancouver Convention Centre, West 114
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

3:30 PM - 5:30 PM
3724 Navigating The NIH Peer Review Process
Vancouver Convention Centre, West 113
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

3:30 PM - 5:30 PM
3726 Neonatal Genetics: The Basics, Effect of Recent Technological Advances and Case Based Learning
Vancouver Convention Centre, West 221
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

3:30 PM - 5:30 PM
3732 Perfect Practice Makes Perfect: Utilizing Deliberate Practice to Improve Knowledge and Skill Acquisition
Vancouver Convention Centre, West 222
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

TUESDAY, MAY 6

9:00 AM - 12:00 PM
4236 Ethics
Vancouver Convention Centre, West 116
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

9:30 AM - 11:30 AM
4252 Communicate Your Curriculum Vitae and Personalize Your Personal Statement/Bio-Sketch
Vancouver Convention Centre, East 15
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series

9:30 AM - 12:30 PM
4256 Everything But the Research: How to Write the Candidate Information Section of a Successful K Award Application
Vancouver Convention Centre, West 113
Three 1 ½ hour consecutive workshops will be presented.
Preregistration was required for this Workshop Series
9:30 AM–12:30 PM

4258  Getting Promoted: Turning Your Clinical Work Into Scholarship
      Vancouver Convention Centre, West 115
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

9:30 AM–12:30 PM

4272  Writing and Publishing Quality Improvement
      Vancouver Convention Centre, West 219
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series

10:30 AM–12:30 PM

4580  Emerging and Challenging Infections in Infancy and Childhood
      Vancouver Convention Centre, West 211
      Three 1 ½ hour consecutive workshops will be presented.
      Preregistration was required for this Workshop Series
The Program Committee has identified subspecialty/topic tracks to aid attendees with identifying specific interests within the PAS and Alliance Meeting programs. This track is meant to serve as a general guide and may not represent every session that may be of interest to a particular audience within the meeting. You are encouraged to review the contents of the entire program beginning on page 69.

### Course Numbering Key

| 0000-0999 | Prior to Meeting—Friday, May 2 |
| 1000-1999 | Day 1—Saturday, May 3 |
| 2000-2999 | Day 2—Sunday, May 4 |
| 3000–3999 | Day 3—Monday, May 5 |
| 4000–4999 | Day 4—Tuesday, May 6 |

#### Academic and Research Skills

- **1140** Unconscious Bias and Diversity In Pediatrics: Walking the Walk—8:00 AM - 10:00 AM, VCC, East 11
- **1150** Pediatric Clinical Transitional Research—8:00 AM - 10:00 AM, VCC, West 119-120
- **1252** Blogs and Wikis and Feeds, Oh My!: Using Web Technologies to Get Your Project Done—8:30 AM - 11:30 AM, VCC, East 15
- **1254** Defanging Comparative Effectiveness Research (CER) Methods: Taking the Fear Out of Statistics—8:30 AM - 11:30 AM, VCC, East 16
- **1256** Designing Surveys to Effectively Measure Outcomes In Research, Quality Improvement, and Educational Projects—8:30 AM - 11:30 AM, VCC, West 214
- **1260** Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It—8:30 AM - 11:30 AM, VCC, East 17
- **1266** Striving for Success: Essential Skills for Women In Academic Medicine—8:30 AM - 11:30 AM, VCC, West 202
- **1270** The Unwritten Rules of Mentorship—8:30 AM - 11:30 AM, VCC, West 221
- **1280** Academic Fellows—8:30 AM - 11:30 AM, VCC, West 114
- **1607** Childhood Poverty and Its Consequences: Potential Solutions—2:45 PM - 4:45 PM, VCC, East Ballroom C
- **1610** Clinical Challenges In Pediatric Antibiotic Management—2:45 PM - 4:45 PM, VCC, Parkview Ballroom
- **1615** Ethics In the Conduct of Clinical/Basic Research—2:45 PM - 4:45 PM, VCC, West Ballroom A
- **1630** The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit—2:45 PM - 4:45 PM, VCC, East 12
- **1704** Delving Deeper Into Qualitative Research Methods: Philosophical Frameworks and Qualitative Analysis—2:45 PM - 4:45 PM, VCC, East 12
- **1706** Development of an Objective Structured Clinical Examination (OSCE) to Assess the Performance of Interns Utilizing the Pediatric Milestones—2:45 PM - 4:45 PM, VCC, East 16
- **1708** Get Part 4 MOC Credit For Your Quality Improvement Work! Navigating The American Board of Pediatrics’ Quality Improvement Project Approval Program—2:45 PM - 4:45 PM, VCC, East 17
- **1710** Habits of Highly Successful Academicians: Making Your Grandmother (and Your Department Chair) Proud—2:45 PM - 4:45 PM, VCC, East 14
- **1714** Navigating The IBS Submission Process: Smooth Sailing vs Stormy Seas—2:45 PM - 4:45 PM, VCC, West 215
- **1734** Fellowship Training—2:45 PM - 4:45 PM, VCC, West 219
- **1775** PAS/ASPR Opening General Session—5:00 PM - 6:30 PM, VCC, West Ballroom A
- **2120** Special Nutritional Considerations for the Critically Ill Preterm Neonate—8:00 AM - 10:00 AM, VCC, West Ballroom A
- **2226** Comparative Effectiveness, Decision Analysis, and Child Health Policy—8:00 AM - 11:00 AM, VCC, West 114
- **2228** Creating Effective Workshops: Moving from Good to Great—8:00 AM - 11:00 AM, VCC, West 115
- **2230** D.R.E.A.M.ing about Validity In Educational Assessment—8:00 AM - 11:00 AM, VCC, West 117
- **2236** Getting Your Articles Accepted—8:00 AM - 11:00 AM, VCC, West 201
- **2244** Star Child Health: Leading Edge Methodological Approaches for RCTS In Children—8:00 AM - 11:00 AM, VCC, West 215
- **2252** Family Centered Care—8:00 AM - 11:00 AM, VCC, West 216
- **2256** Literacy Development Programs In Primary Care—8:00 AM - 11:00 AM, VCC, East 20
- **2260** Pediatric Clinical Research Networks—8:00 AM - 11:00 AM, VCC, West 219
- **2460** An Introduction to the Cochrane Collaboration’s Methods for Conducting Systematic Reviews—12:00 PM - 3:00 PM, VCC, East 14
- **2462** Building Academic Partnerships In Pediatric Global Health at Home and Abroad: from Concept to Implementation—12:00 PM - 3:00 PM, VCC, East 19
- **2468** Mastering the Art of Quality Improvement: A Recipe for Success—12:00 PM - 3:00 PM, VCC, West 202
- **2472** Multivariate Regression Techniques for Pediatric Clinical Research—12:00 PM - 3:00 PM, VCC, East 17
- **2474** Navigating Career Development Awards—12:00 PM - 3:00 PM, VCC, East 16
- **2476** Preparing for a New Leadership Position: On-Boarding Strategies for Success—12:00 PM - 3:00 PM, VCC, West 204
- **2478** Ready-Made: Conducting Pediatric Research Using Publicly Available Datasets—12:00 PM - 3:00 PM, VCC, West 216
- **2480** Strategies for Simulation Based Competency Assessment of Procedural Skills—12:00 PM - 3:00 PM, VCC, West 218
- **2488** Women and Minorities: Academic Advancement Planning & Effective Negotiating—12:00 PM - 3:00 PM, VCC, West 117
- **2492** Newborn Nursery—12:00 PM - 3:00 PM, VCC, East 10
- **2494** Qualitative Research—12:00 PM - 3:00 PM, VCC, West 203
- **2495** Home Visiting: Opportunities to Enhance Early Childhood Health—12:30 PM - 2:30 PM, VCC, East 12
- **2650** Advocacy for Child Health Research—The APS/COPR Success Story Project—1:00 PM - 3:00 PM, VCC, West 109

*APS Recommended Leadership Development Sessions* - APS Council has reviewed program content to specifically identify sessions with opportunity for career or leadership development. These sessions, denoted by an asterisk, would be beneficial for members seeking to learn more about issues in academic medicine, administrative practice and national initiatives and perspectives that influence clinical care, research in children’s health and educational training.
Adolescent Medicine

1135 Pharmacotherapy for ADHD: New Findings and Old Controversies—8:00AM-10:00AM, VCC, East 10

1230A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice — Part 1—8:00AM-11:30AM, VCC, East Ballroom A

1260 Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It!—8:30AM-11:30AM, VCC, East 17

1405 Behavior Initiation & Health Screening—10:30AM-12:30PM, VCC, East 10

1600A Adrenarche: An Update on Physiology and Pathologic Considerations—2:45PM-4:45PM, VCC, West 301-305

1620A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice — Part 3—2:45PM-4:45PM, VCC, East Ballroom A

1675 Male Health & Substance Use—2:45PM-4:45PM, VCC, East 9

1685 Nephrology: Clinical/Translational—2:45PM-4:45PM, VCC, West 212-213

1775* PAS/ASPR Opening General Session—5:00PM-6:30PM, VCC, West Ballroom A

2020 A Career In Adolescent Medicine: It’s All About Teaching Patients, Families, and Medical Professionals, Exciting Research Possibilities, Excellent Opportunities for Advocacy, New Challenges In Patient Care, Every Day, Special, Committed Colleagues—7:00AM-8:00AM, Pan Pacific Vancouver, Oceanview 5

2105 Firearm Injury Prevention In Children: Setting the Research Agenda—8:00AM-10:00AM, VCC, West 121-122

2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM-10:00AM, VCC, West 119-120

2165 Media & Technology—8:00AM-10:00AM, VCC, East Ballroom A

2236 Getting Your Articles Accepted—8:00AM-11:00AM, VCC, West 201

2254 Integrative Pediatrics—8:00AM-11:00AM, VCC, East 9

2326 Problematic Internet UseAmong Youth: Harm or Hype?—10:30AM-12:30PM, VCC, East Ballroom A

2468 Mastering the Art of Quality Improvement: A Recipe for Success!—12:00PM-3:00PM, VCC, West 202

2493 Pediatric Tobacco Issues—12:00PM-3:00PM, VCC 9

2805 The Challenges of Adherence In Adolescents with Chronic Medical Disease—3:30PM-5:30PM, VCC, West 301-305

3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM-10:00AM, VCC, East 8

3175 Hypertension Research In 2014—8:00AM-10:00AM, VCC, West 211

3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making In Pediatrics—8:30AM-11:30AM, VCC, East 7

3315 Beyond Transition Plans For Youth With Chronic Health Conditions: International Perspectives, Program Development, Shared Care with Adult Providers, Youth Engagement—10:30AM-12:30PM, VCC, West 220

3350 Innovative Models In Pediatric Health Care Delivery—10:30AM-12:30PM, VCC, West 119-120

3685 Prevention & Health Services—3:30PM-5:30PM, VCC, East 11

3720 Do You Agree with National Guidelines?—3:30PM-5:30PM, VCC, West 114

3722 Item Writing Workshop: The Art and Science of Developing Questions For Use On ABP Examinations—3:30PM-5:30PM, VCC, West 217

3738 Using Pediatric Lipid Profile Screening In Lifestyle Counseling—3:30PM-5:30PM, VCC, West 216

4238 Health Care Transition and Disease Self Management—9:00AM-12:00PM, VCC, East 18

4262 Psychiatric Consultation: Making the Diagnosis and Making the Discharge Plan—9:30AM-12:30PM, VCC, West 204

4460 Is There a Doctor In the House?—9:45AM-11:45AM, VCC, East 8

4475 Understanding Food Protein Induced Enterocolitis Syndrome (FPIES) and Other Manifestations of Non-IgE Mediated Food Allergy In Children—9:45AM-11:45AM, VCC, West 109

4580 Emerging and Challenging Infections In Infancy and Childhood—10:30AM-12:30PM, VCC, West 211

4620 None Communicable Diseases – A Global Child Health Challenge—12:15PM-2:15PM, VCC, West 110

Advocacy/Public Policy

1145 Why Are Health Outcomes for Children and Youth, Lower In The US Than In Our Peer Nations?—8:00AM-10:00AM, VCC, East Ballroom C

1252 Blogs and Wikis and Feeds, Oh My!: Using Web Technologies to Get Your Project Done—8:30AM-11:30AM, VCC, East 15

1268 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity—8:30AM-11:30AM, VCC, West 203

1280* Academic Fellows—8:30AM-11:30AM, VCC, West 114

1282 Complex Care—8:30AM-11:30AM, VCC, West 220

1290 LGBTQ Health and Well-Being—8:30AM-11:30AM, VCC, West 115

1450 Quality Improvement: Better Process of Care—10:30AM-12:30PM, VCC, West 119-120

1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM-4:45PM, VCC, East Ballroom B

1630 The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit—2:45PM-4:45PM, VCC, East 12

1732 Culture, Ethnicity & Health Care/Environmental Health—2:45PM-4:45PM, VCC, West 113

1734 Fellowship Training—2:45PM-4:45PM, VCC, West 219

1775* PAS/ASPR Opening General Session—5:00PM-6:30PM, VCC, West Ballroom A

2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report, 1996-2000—8:00AM-10:00AM, VCC, West 211

2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM-10:00AM, VCC, West 119-120

2190 Quality Improvement: Better Access to Care—8:00AM-10:00AM, VCC, West 212-213

2195 Serving Underserved Populations: Interventions to Address the Social Determinants of Health—8:00AM-10:00AM, VCC, West 214

2224 Closing the Quality Chasm: Developing Care Coordination Capacity and Measuring Its Performance—8:00AM-11:00AM, VCC, East 16

2232 Early Childhood Systems, Milestones and Toxic Stress Oh My! The Road to Building a Community Curriculum Aligned with the New Children’s Agenda—8:00AM-11:00AM, VCC, East 17

2360 General Pediatrics: Health Services Research—10:30AM-12:30PM, VCC, West 118

2385 Pediatric Palliative Care—10:30AM-12:30PM, VCC, West 110

2468 Mastering the Art of Quality Improvement: A Recipe for Success!—12:00PM-3:00PM, VCC, West 202

2484 Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program—12:00PM-3:00PM, VCC, West 114

2495 Home Visiting: Opportunities to Enhance Early Childhood Health—12:30PM-2:30PM, VCC, East 12

2650* Advocacy for Child Health Research – The APS-COPR Success Story Project—1:00PM-3:00PM, VCC, West 109

2705 Disparities In the Health of Underserved Children: Implications for Population Health Management—1:00PM-3:00PM, VCC, West 111-112

2830 Child Health & the Environment—1:00PM-3:00PM, VCC, West 111-112

3050A Going Global: Implications of Non-Governmental Efforts In Pediatric Research Funding—7:00AM-8:00AM, VCC, West 111-112

3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM-10:00AM, VCC, East 8

3152 Top-Down ‘Big’ vs. Investigator-Initiated ‘Small’ Science: Controversies and Implications for Pediatric Research—8:00AM-10:00AM, VCC, West 109

3234 Promotion of Positive Parenting During Pediatric Visits—8:30AM-11:30AM, VCC, East 18

3254 Health Literacy—8:30AM-11:30AM, VCC, West 114

3256 Injury Control—8:30AM-11:30AM, VCC, West 113

3258 Practical Strategies In Obesity Management: From Primary to Tertiary Care—8:30AM-11:30AM, VCC, East 10

3260 Quality Improvement/Race In Medicine—8:30AM-11:30AM, VCC, East 20
Awards

1475A  ASPN Awards Luncheon—12:15PM–1:30PM, VCC, West Ballroom D
1775* PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A
1800 PAS/ASPR Presidential and New Member Reception—6:45PM–8:00PM, VCC, West Ballroom D
2250 Emergency Medicine—8:00AM–11:00AM, VCC, East Parkview Ballroom
2300 APS Presidential Plenary and Awards—10:15AM–11:45AM, VCC, West Ballroom B
2600 AAP Presidential Plenary and Annual Silverman Lecture—12:30PM–4:00PM, VCC, West Ballroom B
2890A RDS 11th Annual Stanley A. Plotkin Lectureship In Vaccinology—4:00PM–5:00PM, VCC, East Ballroom B
3300 SPR Presidential Plenary and Awards—10:15AM–12:00PM, VCC, West Ballroom C
3470 SPR Awards Reception/Luncheon—12:00PM–1:00PM, VCC, West Ballroom D
3500A Nineteenth Annual Lecture: The March of Dimes Prize In Developmental Biology—3:00PM–3:30PM, VCC, East Ballroom A
3600 Academic Pediatric Association Presidential Plenary and Armstrong Lecture—11:30AM–1:15PM, VCC, West Ballroom A
4256 Everything But the Research: How to Write the Candidate Information Section of a Successful K Award Application—9:30AM–12:30PM, VCC, West 113

Basic Science

1105 Bench-basinett: The Genetics of Congenital Heart Disease—8:00AM–10:00AM, VCC, West 109
1115 Humanized Mouse Models for Studying Disease—8:00AM–10:00AM, VCC, West 212B
1352 Gliopathies—10:30AM–12:30PM, VCC, West 109
1410 Cardiology—10:30AM–12:30PM, VCC, West 111-112
1455 The Pulmonary Vasculature—10:30AM–12:30PM, VCC, West 110
1625 New Insights Into Mast Cell Biology In Pediatric Health and Disease—2:45PM–4:45PM, VCC, West 223-224
1630 The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit—2:45PM–4:45PM, CC, East 12
1655 Fetal Origins of Adult Disease—2:45PM–4:45PM, VCC, West 110
1680 Mechanisms & Therapeutic Insight In Pediatric Critical Care—2:45PM–4:45PM, VCC, West 118
1775* PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A
2120 Special Nutritional Considerations for the Critically Ill Preterm Neonate—8:00AM–10:00AM, VCC, West Ballroom B
2445A Old Drugs - New Uses for Neuroprotection – Are They Ready for Prime Time?—11:45AM–1:00PM, VCC, West Ballroom C
2474 Navigating Career Development Awards—12:00PM–3:00PM, VCC, East 16
2665 New Concepts In Beta Cell Biology—1:00PM–3:00PM, VCC, West 306
2680A Pediatric Bone Disease – Beyond the Bare Bones—1:00PM–3:00PM, VCC, West 301-305
2700 Asthma—1:00PM–3:00PM, VCC, West 220
2810 The Emergence of Resting State Brain Activity and Stream of Consciousness—3:30PM–5:30PM, VCC, West 109
2825 Cardiac & Pulmonary Development—3:30PM–5:30PM, VCC, West 121-122
2890A RDS 11th Annual Stanley A. Plotkin Lectureship In Vaccinology—4:00PM–5:00PM, VCC, East Ballroom B
3105 Extracellular Calcium Promotes Optimal Intestinal Adaptation and Prevents NEC—8:00AM–10:00AM, VCC, West Ballroom A
3125A March of Dimes Basil O’Connor Symposium—8:00AM–10:00AM, VCC, West 214
3130 Newly Discovered Disorders of the HPT Axis and Thyroid Hormone Action—8:00AM–10:00AM, VCC, West 306
3152 Top-Down ‘Big’ vs. Investigator-Initiated ‘Small’ Science: Controversies and Implications for Pediatric Research—8:00AM–10:00AM, VCC, West 109
3155 What’s Hot In Pediatric Research: Highlights of the Annual Review Issue—8:00AM–10:00AM, VCC, West 212B
3175 Hypertension Research In 2014–8:00AM–10:00AM, VCC, West 211
3365 Developmental Biology—10:30AM–12:30PM, VCC, West 111-112
3532 Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies In Human Infants—1:00PM–3:00PM, VCC, West Ballroom C

Allergy, Immunology and Rheumatology

1115 Humanized Mouse Models for Studying Disease—8:00AM–10:00AM, VCC, West 212B
1352A Congenital and Perinatal Infections: Current Concepts and Updates—10:30AM–12:30PM, VCC, West Ballroom B
1775* PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A
2254 Integrative Pediatrics—8:00AM–11:00AM, VCC, East 9
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care At Your Organization—12:00PM–3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM–3:00PM, VCC, West 202
2670A New Developments and Controversies In Tick-Borne Diseases—1:00PM–3:00PM, VCC, East Ballroom B
2700 Asthma—1:00PM–3:00PM, VCC, West 220
2800A Immune Dysregulation: New Paradigm In Genetic Immune Disorders—3:30PM–5:30PM, VCC, West 119-120
2815 The Human Microbiome: A New Vista on Childhood Biology—3:30PM–5:30PM, VCC, East 8
2890A RDS 11th Annual Stanley A. Plotkin Lectureship In Vaccinology—4:00PM–5:00PM, VCC, East Ballroom B
3120 Kawasaki Disease: New Paradigms—8:00AM–10:00AM, VCC, West 118
3155 What’s Hot In Pediatric Research: Highlights of the Annual Review Issue—8:00AM–10:00AM, VCC, West 212B
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making In Pediatrics—8:00AM–11:30AM, VCC, East 7
3355A Oxidative Stress In Pediatric Disorders—Current Concept for Clinical Practice—10:30AM–12:30PM, VCC, West 118
3532 Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies In Human Infants—1:00PM–3:00PM, VCC, West Ballroom C
3631A Respiratory Syncytial Virus: New Opportunities for Global Impact—3:30PM–5:30PM, VCC, East Ballroom C
3650 Allergy & Immunology & Rheumatology—3:30PM–5:30PM, VCC, East 8
3720 Do You Agree with National Guidelines?—3:30PM–5:30PM, VCC, West 114
3722 Item Writing Workshop: The Art and Science of Developing Questions for Use On APB Examinations—3:30PM–5:30PM, VCC, West 217
4475 Understanding Food Protein Induced Enterocolitis Syndrome (FPIES) and Other Manifestations of Non-IgE Mediated Food Allergy In Children—9:45AM—11:45AM, VCC, West 109
4515 Human Milk/Breastfeeding—9:45AM–11:45AM, VCC, West 301-305
4725 Neonatal Sepsis: A Global Challenge—12:30PM–2:30PM, VCC, West Ballroom C
### Bio-Informatics/Proteomics

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Topic</th>
<th>Date</th>
<th>Venue</th>
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<tbody>
<tr>
<td>1610</td>
<td>Clinical Challenges In Pediatric Antibiotic Management—2.45PM–4.45PM, VCC, Parkview Ballroom</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, West 109</td>
</tr>
<tr>
<td>1775*</td>
<td>PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, East 11</td>
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### Business/Leadership

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Topic</th>
<th>Date</th>
<th>Venue</th>
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<tbody>
<tr>
<td>1140</td>
<td>Uncouning Bias and Diversity In Pediatrics: Walking the Walk—8:00AM–10:00AM, VCC, East 11</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, West 12</td>
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<tr>
<td>1252</td>
<td>Bloggs and Wikis and Feeds, Oh My! Using Web Technologies to Get Your Project Done—8:30AM–11:30AM, VCC, East 15</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, East 15</td>
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<tr>
<td>1607</td>
<td>Childhood Poverty and Its Consequences: Potential Solutions—2.45PM–4.45PM, VCC, East Ballroom B</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, East Ballroom B</td>
</tr>
<tr>
<td>1630</td>
<td>The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit—2.45PM–4.45PM, VCC, East 12</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, East 12</td>
</tr>
<tr>
<td>1708</td>
<td>Get Part 4 MOC Credit for Your Quality Improvement Work! Navigating the American Board of Pediatric’s Quality Improvement Project Approval Program—2.45PM–4.45PM, VCC, East 17</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, East 17</td>
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<tr>
<td>1710*</td>
<td>Habits of Highly Successful Academicians: Making Your Grandmother (and Your Department Chair) Proud—2.45PM–4.45PM, VCC, East 14</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, East 14</td>
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<tr>
<td>1712*</td>
<td>Leadership Challenge: Finding Your Way Along the Leadership Path—2.45PM–4.45PM, VCC, West 203</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, West 203</td>
</tr>
<tr>
<td>1728</td>
<td>WorkLife Balance In Pediatrics: Tipping the Scale—2.45PM–4.45PM, VCC, West 116</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, West 116</td>
</tr>
<tr>
<td>1736</td>
<td>Pediatric Emergency Medicine Program Directors—2.45PM–4.45PM, VCC, West 114</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, West 114</td>
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<tr>
<td>1775*</td>
<td>PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A</td>
<td>Day 1 – Saturday, May 3</td>
<td>VCC, West 109</td>
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<tr>
<td>2464</td>
<td>Life-Work Balance: Survival Strategies To Achieve Personal Satisfaction While Pursuing Professional Advancement—12:00PM–3:00PM, VCC, East 18</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, East 18</td>
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<tr>
<td>2468</td>
<td>Mastering the Art of Quality Improvement: A Recipe for Success!—12:00PM–3:00PM, VCC, West 202</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, West 202</td>
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<td>2476*</td>
<td>Preparing for a New Leadership Position: OnBoarding Strategies for Success—12:00PM–3:00PM, VCC, West 204</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, West 204</td>
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<tr>
<td>2490</td>
<td>Division Directors—12:00PM–3:00PM, VCC, West 219</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, West 219</td>
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<tr>
<td>2495</td>
<td>Home Visiting: Opportunities to Enhance Healthy Childhood—12:30PM–2:30PM, VCC, East 12</td>
<td>Day 2 – Sunday, May 4</td>
<td>VCC, East 12</td>
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<tr>
<td>2650*</td>
<td>Advocacy for Child Health Research – The APS-COPR Success Story Project—1:00PM–3:00PM, VCC, West 109</td>
<td>Day 3 – Monday, May 5</td>
<td>VCC, West 109</td>
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<tr>
<td>3240*</td>
<td>Time Management for Physicians 101 or 9111—8.30AM–11:30AM, VCC, West 221</td>
<td>Day 4 – Tuesday, May 6</td>
<td>VCC, West 221</td>
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<tr>
<td>3350</td>
<td>Innovative Models In Pediatric Health Care Delivery—10.30AM–12.30PM, VCC, West 119-120</td>
<td>Day 4 – Tuesday, May 6</td>
<td>VCC, West 119-120</td>
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<tr>
<td>4244*</td>
<td>Women In Medicine—9.00AM–12.00PM, VCC, East 17</td>
<td>Day 4 – Tuesday, May 6</td>
<td>VCC, East 17</td>
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### SESSIONS BY TRACK/TOPIC

#### Child Abuse

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>1230A</td>
<td>Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice</td>
<td>Part 1–2:30PM–4:45PM, VCC, East Ballroom A</td>
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<tr>
<td>1415</td>
<td>Child Abuse–10:30AM–12:30PM, VCC, East</td>
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<td>1607</td>
<td>Child Poverty and Its Consequences: Potential Solutions–2:45PM–4:45PM, VCC, East Ballroom B</td>
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<td>1620A</td>
<td>Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice</td>
<td>Part 3–2:45PM–4:45PM, VCC, East Ballroom A</td>
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<td>1730</td>
<td>Child Abuse–2:45PM–4:45PM, VCC, West</td>
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<td>1775*</td>
<td>PAS/ASPR Opening General Session–5:00PM–6:30PM, VCC, West Ballroom A</td>
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<td>2190</td>
<td>Quality Improvement: Better Access to Care–8:00AM–10:00AM, VCC, West Ballroom A</td>
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<td>2495</td>
<td>Home Visiting: Opportunities to Enhance Early Childhood Health–12:30PM–2:30PM, VCC, West</td>
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<td>3160</td>
<td>Clinical Bioethics–8:00AM–10:00AM, VCC, West</td>
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<td>3220</td>
<td>A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making In Pediatrics–8:30AM–11:30AM, VCC, East</td>
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<td>3234</td>
<td>Promotion of Positive Parenting During Pediatric Visits–8:30AM–11:30AM, VCC, East</td>
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<td>3720</td>
<td>Do You Agree with National Guidelines?–3:30PM–5:30PM, VCC, West</td>
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<td>3722</td>
<td>Item Writing Workshop: The Art and Science Of Developing Questions for Use On ABP Exams–3:30PM–5:30PM, VCC, West</td>
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#### Clinical & Translational Research

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<tr>
<td>1115</td>
<td>Humanized Mouse Models for Studying Disease–8:00AM–10:00AM, VCC, West 212.213</td>
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<td>1120</td>
<td>Multi-Systems Approach to Identifying Biomarkers of Neonatal Pulmonary Disease In Preterm Infants, from Bench to Bedside–8:00AM–10:00AM, VCC, West Ballroom C</td>
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<td>1175</td>
<td>Neonatal Neurodevelopmental Outcomes–8:00AM–10:00AM, VCC, West Ballroom B</td>
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<td>1256</td>
<td>Designing Surveys to Effectively Measure Outcomes In Research, Quality Improvement, and Educational Projects–8:30AM–11:30AM, VCC, West</td>
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<td>1268</td>
<td>The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity–8:30AM–11:30AM, VCC, West</td>
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<td>1290</td>
<td>LGBTQ Health and Well-Being–8:30AM–11:30AM, VCC, West</td>
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<td>1352</td>
<td>Cilopathies–10:30AM–12:30PM, VCC, West</td>
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**Developmental Biology**

- **1105** BenchBioBasin: The Genetics of Congenital Heart Disease—8:00AM - 10:00AM, VCC, West 109
- **1115** Humanized Mouse Models for Studying Disease—8:00AM - 10:00AM, VCC, West 212/213
- **1230A** Global Child Health In Rich and Poor Countries: Lessons Learned From Indigenous Health Research and Practice—Part 1—8:00AM - 11:30AM, VCC, East Ballroom A
- **1352** Ciliopathy—10:30AM - 12:30PM, VCC, West 109
- **1455** The Pulmonary Vasculature—10:30AM - 12:30PM, VCC, West 110
- **1600A** Adrenaline: An Update on Physiology and Pathologic Considerations—2:45PM - 4:45PM, VCC, West 301-305
- **1620A** Global Child Health In Rich and Poor Countries: Lessons Learned From Indigenous Health Research and Practice—Part 3—2:45PM - 4:45PM, VCC, East Ballroom A
- **1655** Fetal Origins of Adult Disease—2:45PM - 4:45PM, VCC, West 110
- **1773** PAS/ASPR Opening General Session—5:00PM - 6:30PM, VCC, West Ballroom A
- **3293** Global Total Prevention of Spina Bifida F and Anencephaly F—3:30PM - 5:30PM, VCC, West 110
- **32815** The Human Microbiome: A New Vista on Childhood Biology—3:30PM - 5:30PM, VCC, East 8
- **32825** Cardiac & Pulmonary Development—3:30PM - 5:30PM, VCC, West 121/122
- **33150** The Cerebellum—An Emerging Target for Improving Outcomes After Prematurity—8:00AM - 10:00AM, VCC, West Ballroom B
- **33155** What’s Hot in Pediatric Research: Highlights of the Annual Review Issue—8:00AM - 10:00AM, VCC, West 212/213
- **3365** Developmental Biology—10:30AM - 12:30PM, VCC, West 111/112
- **3375** Experimental Neonatal Brain Injury & Therapy—10:30AM - 12:30PM, VCC, West Ballroom B
- **3352** Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies In Human Infants—1:00PM - 3:00PM, VCC, West Ballroom C
- **3563** Nephrology: Basic Science—1:00PM - 3:00PM, VCC, West 212/213
- **3665** Lung Injury & Novel Targeted Therapies—3:30PM - 5:30PM, VCC, West 109
- **3680** Pediatric Nutrition—3:30PM - 5:30PM, VCC, West 119/120
- **3700** The Role of Inflammation In NEC—3:30PM - 5:30PM, VCC, East Ballroom B
- **4450** Anesthesiology and the Developing Brain: Does Early Childhood Exposure To Anesthetics and Sedatives Cause Subsequent Deficits In Learning and Behavior?—9:45AM - 11:45AM, VCC, West Ballroom C
- **4465** Media Violence and Real World Aggression: State of the Science and What Public Health Implications—9:45AM - 11:45AM, VCC, West 1220
- **4500** Developmental/Behavioral Pediatrics: Potpourri—9:45AM - 11:45AM, VCC, East Ballroom C
- **4515** Human Milk/Breastfeeding—9:45AM - 11:45AM, VCC, West 301-305
- **4670** General Pediatrics: Behavior/Development—12:15PM - 2:15PM, VCC, East Ballroom C

**Education**

- **1140** Unconscious Bias and Diversity In Pediatrics: Walking the Walk—8:00AM - 10:00AM, VCC, East 11
- **1160** Historical Perspectives—8:00AM - 10:00AM, VCC, West 201
- **1170** Medical Education: Assessments & Milestones—8:00AM - 10:00AM, VCC, East 8
- **1250** Are You Leaning? Equip Yourself: Enhancing Quality and Improving Processes with Lean Methodologies—8:30AM - 11:30AM, VCC, East 14
- **1252** Blogs and Wikis and Feeds, Oh My!: Using Web Technologies to Get Your Project Done—8:30AM - 11:30AM, VCC, East 15
1256 Designing Surveys to Effectively Measure Outcomes in Research, Quality Improvement, and Educational Programs—8:30AM–11:30AM, VCC, West 214
1262 Maximizing Engagement of Millennials with Innovative Educational Technologies—8:30AM–11:30AM, VCC, East 18
1264 Oh the Humanities! Utilizing Medical Readers’ Theater to Train Faculty and Residents on the Professionalism Milestones—8:30AM–11:30AM, VCC, East 19
1270* The Unwritten Rules of Mentorship—8:30AM–11:30AM, VCC, West 221
1280* Academic Fellows—8:30AM–11:30AM, VCC, West 114
1286 Faculty Development—8:30AM–11:30AM, VCC, West 216
1288 Hospital Medicine—8:30AM–11:30AM, VCC, West 306
1290 LGBT Health and Well-Being—8:30AM–11:30AM, VCC, West 115
1350 Beyond Milestones Reporting: Using Milestones to Help Our Trainees—10:30AM–12:30PM, VCC, East B
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM–4:45PM, VCC, East Ballroom B
1630 The Future of the Workforce In Pediatrics: A Blueprint for Action Designed At the FOPO Blueprint Summit—2:45PM–4:45PM, VCC, East 12
1660 General Pediatrics: Hospital Medicine I—2:45PM–4:45PM, VCC, East Ballroom C
1700 Bullying In the Workplace: The Broken Culture of Medicine—2:45PM–4:45PM, VCC, West 221
1704 Delving Deeper Into Qualitative Research Methods: Philosophical Frameworks and Qualitative Analysis—2:45PM–4:45PM, VCC, East 15
1706 Development of an Objective Structured Clinical Examination (OSCE) to Assess the Performance of Interns Utilizing the Pediatric Milestones—2:45PM–4:45PM, VCC, East 16
1708 Get Part 4 MOC Credit for Your Quality Improvement Work! Navigating The American Board Of Pediatrics’ Quality Improvement Project Approval Program—2:45PM–4:45PM, VCC, East 17
1716 New Life-Saving Devices: The Tablet Computer Revolution—2:45PM–4:45PM, VCC, East 13
1720 Reflecting on Reflections: The How and Why of Fostering Reflective Capacity In Your Learners—2:45PM–4:45PM, VCC, West 217
1724 The New EPA: Clearing Your Curricular Pollution—2:45PM–4:45PM, VCC, West 204
1726 To Post or Not to Post: The Challenge of Professionalism In the Age of Social Media—2:45PM–4:45PM, VCC, East 19
1734 Fellowship Training—2:45PM–4:45PM, VCC, West 219
1775* PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report—8:00AM–10:00AM, VCC, West 211
2165 Media & Technology—8:00AM–10:00AM, VCC, East Ballroom A
2220 A Child’s last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff—8:00AM–11:00AM, VCC, East 14
2222 Assessing Teaching Skills Across the Medical Education Continuum: Development and Implementation of Objective, Measureable, and Skill-Based Tools—8:00AM–11:00AM, VCC, East 15
2228 Creating Effective Workshops: Moving from Good to Great—8:00AM–11:00AM, VCC, West 115
2230 D R E A M.ing about Validity In Educational Assessment—8:00AM–11:00AM, VCC, West 117
2232 Early Childhood Systems, Milestones and Toxic Stress Oh My! The Road to Building a Community Curriculum Aligned With the New Children’s Agenda—8:00AM–11:00AM, VCC, East 17
2234 Entrustable Professional Activities: Defining and Developing an Innovative Means of Outcomes-Based Assessment—8:00AM–11:00AM, VCC, East 18
2250 Emergency Medicine—8:00AM–11:00AM, VCC, East Parkview Ballroom
2252 Family Centered Care—8:00AM–11:00AM, VCC, West 216
2258 Medical Student Education/Pediatric Residents—8:00AM–11:00AM, VCC, West 217
2462 Building Academic Partnerships In Pediatric Global Health at Home and Abroad: From Concept to Implementation—12:00PM–3:00PM, VCC, East 19
2468 Mastering the Art of Quality Improvement: A Recipe for Success!—12:00PM–3:00PM, VCC, West 202
2470 Multiple Mini Interviews: Creating and Implementing MMI Questions and Scoring for Resident Interviews—12:00PM–3:00PM, VCC, West 215
2480 Strategies for Simulation Based Competency Assessment of Procedural Skills—12:00PM–3:00PM, VCC, West 218
2482 Tips, Tools and Tricks for Teaching Behavioral and Mental Health In Continuity Clinics—12:00PM–3:00PM, VCC, West 217

Emergency Medicine

1415 Child Abuse—10:30AM–12:30PM, VCC, East 9
1425 Emergency Medicine I—10:30AM–12:30PM, VCC, East Ballroom B
1450 Quality Improvement: Better Process Of Care—10:30AM–12:30PM, VCC, West 119-120
1610 Clinical Challenges In Pediatric Antibiotic Management—2:45PM–4:45PM, VCC, Parkview Ballroom
1728 Work-life Balance In Pediatrics: Tipping the Scale—2:45PM–4:45PM, VCC, West 116
1775* PAS/ASPR Opening General Session—5:00PM–6:30PM, VCC, West Ballroom A
2028 Meet the Professor: Emergency Medicine—7:00AM–8:00AM, Pan Pacific Vancouver, Oceanview 7
2105 Firearm Injury Prevention In Children: Setting the Research Agenda—8:00AM–10:00AM, VCC, West 121-122
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report—8:00AM–10:00AM, VCC, West 211
### Endocrinology

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>057S.01</td>
<td>PES President’s Poster Reception - 8:00AM – 9:00AM, VCC, West 202</td>
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<td>8:00 AM</td>
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<tr>
<td>105A.01</td>
<td>Practice Management: Challenges to Traditional Management of Pediatric Endocrinology - Session 1 – 8:00AM – 9:00AM, VCC, West 223-224</td>
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<tr>
<td>105A.02</td>
<td>Precocious Puberty – 7:00AM – 8:00AM, VCC, West 220</td>
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<tr>
<td>111S.01</td>
<td>Humanized Mouse Models for Studying Disease – 8:00AM – 10:00AM, VCC, West 212-213</td>
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<tr>
<td>122A.01</td>
<td>PES Plenary Session I, Business Meeting and Debate – 8:00AM – 11:00AM, VCC, West 301-305</td>
<td>3</td>
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<tr>
<td>160A.01</td>
<td>Adrenarche: An Update on Physiology and Pathologic Considerations – 2:45PM – 4:45PM, VCC, West 301-305</td>
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<tr>
<td>177S.01</td>
<td>PAS/ASPR Opening General Session – 5:00PM – 6:30PM, VCC, West Ballroom A</td>
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<tr>
<td>185O.01</td>
<td>Pediatric Endocrine Society (PES) Speakers’ Dinner – 7:00PM – 10:00PM, Offsite</td>
<td>3</td>
<td>7:00 PM</td>
<td>Offsite</td>
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<tr>
<td>207S.01</td>
<td>Practice Management: Challenges to Traditional Management of Pediatric Endocrinology – Session 2 [previously Motivational Interviewing] – 7:00AM – 8:00AM, VCC, West 220</td>
<td>3</td>
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### Environmental Health

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<tr>
<td>112O.01</td>
<td>Global Child Health In Rich and Poor Countries: Lessons Learned From Indigenous Health Research and Practice – Part 1 – 8:00AM – 11:30AM, VCC, East Ballroom A</td>
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<tr>
<td>149S.01</td>
<td>Global Pediatric Research: Global Child Health In Rich &amp; Poor Countries: Lessons Learned From Indigenous Health Research &amp; Practice – Part 2 – 1:00PM – 3:00PM, VCC, East Ballroom A</td>
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<td>162O.01</td>
<td>Global Child Health In Rich and Poor Countries: Lessons Learned From Indigenous Health Research and Practice – Part 3 – 2:45PM – 4:45PM, VCC, East Ballroom A</td>
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<td>173S.01</td>
<td>Culture, Ethnicity &amp; Health Care/Environmental Health – 2:45PM – 4:45PM, VCC, West 113</td>
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<td>177S.01</td>
<td>PAS/ASPR Opening General Session – 5:00PM – 6:30PM, VCC, West Ballroom A</td>
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<td>219S.01</td>
<td>Serving Underserved Populations: Interventions to Address the Social Determinants of Health – 8:00AM – 10:00AM, VCC, West 214</td>
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<td>225O.01</td>
<td>Integrative Pediatrics – 8:00AM – 11:00AM, VCC, East 9</td>
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<td>249S.01</td>
<td>Pediatric Tobacco Issues – 12:00PM – 3:00PM, VCC, East 9</td>
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<tr>
<td>249S.01</td>
<td>Home Visiting: Opportunities to Enhance Early Childhood Health – 12:30PM – 2:30PM, VCC, East 12</td>
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<td>270S.01</td>
<td>Disparities In the Health of Underserved Children: Implications for Population Health Management – 1:00PM – 3:00PM, VCC, West 111-112</td>
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<td>281S.01</td>
<td>The Human Microbiome: A New Vista on Childhood Biology – 3:30PM – 5:30PM, VCC, East 8</td>
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<td>283O.01</td>
<td>Child Health &amp; the Environment – 3:30PM – 5:30PM, VCC, West 111-112</td>
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Epidemiology

1190 Strategies for Prevention In Newborn Populations—8:00AM–10:00AM, VCC, West 110
1254 Defanging Comparative Effectiveness Research (CER) Methods: Taking the Fear Out
1290 LGBT Health and Well-Being—8:30AM–11:30AM, VCC, West 115
1355A Congenital and Perinatal Infections: Current Concepts and Updates—10:30AM–12:30PM, VCC, West Ballroom B
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM–4:45PM, VCC, East Ballroom B
1630 The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit—2:45PM–4:45PM, VCC, East 12
1655 Fetal Origins of Adult Disease—2:45PM–4:45PM, VCC, West 110
1685 Nephropathy: Clinical/Translational—2:45PM–4:45PM, VCC, West 212 213
1690 Perinatal Epidemiology—2:45PM–4:45PM, VCC, West 109
1734 Fellowship Training—2:45PM–4:45PM, VCC, West 219
2100 Adults Born Preterm International Collaboration (APIC) – A Model to Understand Early Programming of Adult Health and Disease—8:00AM–10:00AM, VCC, West 109
2105 Firearm Injury Prevention In Children: Setting the Research Agenda—8:00AM–10:00AM, VCC, West 121 122
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report—8:00AM–10:00AM, VCC, West 211
2323A Emerging and Re-Emerging Pathogens In Pediatrics: Are We Prepared!!—10:30AM–12:30AM, VCC, East Ballroom B
2460 An Introduction to the Cochrane Collaboration’s Methods for Conducting Systematic Reviews—12:00PM–3:00PM, VCC, East 14
2478 Ready-Made: Conducting Pediatric Research Using Publicly Available Datasets—12:00PM–3:00PM, VCC, West 216
2670A New Developments and Controversies In Tick-Borne Diseases—1:00PM–3:00PM, VCC, East Ballroom B
2715 General Pediatrics: Prevention, Public Health & Healthy Behavior—1:00PM–3:00PM, VCC, East 11
2795 Global Total Prevention of Spina Bifida F and Anencephaly F—3:30PM–5:30PM, VCC, West 110
2830 Child Health & the Environment—3:30PM–5:30PM, VCC, West 111 112
2890A PIDS 11th Annual Stanley A. Plotkin Lectureship In Vaccinology—4:00PM–5:00PM, VCC, East Ballroom B
3175 Hypertension Research In 2014—8:00AM–10:00AM, VCC, West 211
3250 Evidence Based Pediatrics—8:30AM–11:30AM, VCC, East 14
3390 Kids & Germs: Public Health & Infectious Disease In 21st Century—10:30AM–12:30PM, VCC, West 110
3550 Global Pediatric Research: Infection/Inflammation—1:00PM–3:00PM, VCC, West 109
3560 Immunizations Delivery—1:00PM–3:00PM, VCC, East 12
3630 Predicting Neurological Outcomes of Extremely Low Gestational Age Neonates—3:30PM–5:30PM, VCC, West 118
3631A Respiratory Syncytial Virus: New Opportunities for Global Impact—3:30PM–5:30PM, VCC, East Ballroom C
4450 Anesthesiology and The Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits In Learning and Behavior?—9:45AM–11:45AM, VCC, West Ballroom C

Gastroenterology and Nutrition

1655 Fetal Origins of Adult Disease—2:45PM–4:45PM, VCC, West 110
2120 Special Nutritional Considerations for the Critically Ill Preterm Neonate—8:00AM–10:00AM, VCC, West Ballroom B
2254 Integrative Pediatrics—8:00AM–11:00AM, VCC, East 9
2327A Recent Progress In Biliary Atresia In the World—10:30AM–12:30PM, VCC, West 109
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization—12:00PM–3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM–3:00PM, VCC, West 202
2645A Milk Club—1:00PM–2:30PM, VCC, East 8
2795 Global Total Prevention of Spina Bifida F and Anencephaly F—3:30PM–5:30PM, VCC, West 110
2815 The Human Microbiome: A New Vista on Childhood Biology—3:30PM–5:30PM, VCC, East 8
2865 Obesity & Disordered Eating II—3:30PM–5:30PM, VCC, West 214
3105 Enteral Nutrition Promotes Optimal Intestinal Adaptation and Prevents NEC—8:00AM–10:00AM, VCC, West Ballroom A

Ethics/Bioethics

1230A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice — Part 1—8:00AM–11:30AM, VCC, East Ballroom A
1607 Child Health Poverty and Its Consequences: Potential Solutions—2:45PM–4:45PM, VCC, East Ballroom B
1615 Ethics In the Conduct of Clinical/Basic Research—2:45PM–4:45PM, VCC, West Ballroom A
1620A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice — Part 3—2:45PM–4:45PM, VCC, East Ballroom A
1732 Culture, Ethnicity & Health Care/Environmental Health—2:45PM–4:45PM, VCC, West 113
2022 Academic Careers In Bioethics: From the Margin to the Mainstream—7:00AM–8:00AM, Pan Pacific Vancouver, Oceanview 8
2210A Ethical Dilemmas In Pediatric Nephropathy: A Case-Based Approach—8:00AM–10:00AM
2220 A Child’s Last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff—8:00AM–11:00AM, VCC, East 14
2244 Star Child Health: Leading Edge Methodological Approaches for RCTs In Children—8:00AM–11:00AM, VCC, West 215
2385 Pediatric Palliative Care—10:30AM–12:30PM, VCC, West 110
2470 Multiple Mini Interviews: Creating and Implementing MMI Questions and Scoring for Resident Interviews—12:00PM–3:00PM, VCC, West 215
2490 Division Directors—12:00PM–3:00PM, VCC, West 219
2810 The Emergence of Resting State Brain Activity and Stream of Consciousness—3:30PM–5:30PM, VCC, West 109
3140 Sigmund Freud and the Rise of Clinical Psychology—9:00AM–12:00PM, VCC, West 122
3160 Clinical Bioethics—8:00AM–10:00AM, VCC, West 110
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making In Pediatrics—8:30AM–11:30AM, VCC, East 7
3260 Quality Improvement/Race In Medicine—8:30AM–11:30AM, VCC, East 20
3465A Bioethics Interest Group—12:00PM–1:30PM, VCC, West 201
3630 Predicting Neurological Outcomes of Extremely Low Gestational Age Neonates—3:30PM–5:30PM, VCC, West 118
3640 The Promise of Pharmacogenomics In Child Health—3:30PM–5:30PM, VCC, West 306
4236A Ethics—9:00AM–12:00PM, VCC, West 116
4250 Practical Pharmacogenetics: Real Life Interpretation of Clinical Testing for Genotype-Guided Pharmacologic Therapy—9:30AM–11:30AM, VCC, East 16
General Pediatrics

1075A Bilirubin Club: Newborn Screening for G6PD Deficiency–7:00AM–9:00AM, VCC, Crystal Pavilion A

1100 ACOs, Bundles and Caps: Caring for Children In an Era of Payment Reform–8:00AM–10:00AM, VCC, East 12

1135 Pharmacotherapy for ADHD: New Findings and Old Controversies–8:00AM–10:00AM, VCC, East 10

1155 General Pediatrics: Obesity I–8:00AM–10:00AM, VCC, East 13

1160 Historical Perspectives–8:00AM–10:00AM, VCC, West 201

1175 Neonatal Neurodevelopmental Outcomes–8:00AM–10:00AM, VCC, West Ballroom B

1190 Strategies for Prevention In Newborn Populations–8:00AM–10:00AM, VCC, West 110

1230A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 1–8:00AM–11:30AM, VCC, East Ballroom A

1260 Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It–8:30AM–11:30AM, VCC, East 17

1282 Complex Care–8:30AM–11:30AM, VCC, West 220

1286 Faculty Development–8:30AM–11:30AM, VCC, West 216

1290 LGBTQ Health and WellBeing–8:30AM–11:30AM, VCC, West 115

1352 Celiacities–10:30AM–12:30PM, VCC, West 109

1355A Congenital and Perinatal Infections: Current Concepts and Updates–10:30AM–12:30PM, VCC, West Ballroom B

1425 Emergency Medicine I–10:30AM–12:30PM, VCC, East Ballroom B

1430 General Pediatrics: Communication, Technology & Practice–10:30AM–12:30PM, VCC, East 11

1435 General Pediatrics: Underserved–10:30AM–12:30PM, VCC, East 13

1450 Quality Improvement: Better Process of Care–10:30AM–12:30PM, VCC, West 119-120

1495A Global Pediatric Research: Global Child Health In Rich & Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 2–1:00PM–3:00PM, VCC, East Ballroom A

1607 Childhood Poverty and Its Consequences: Potential Solutions–2:45PM–4:45PM, VCC, East Ballroom B

1610 Clinical Challenges In Pediatric Antibiotic Management–2:45PM–4:45PM, VCC, Parkview Ballroom

1620A Global Child Health In Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 3–2:45PM–4:45PM, VCC, East Ballroom A

1630 The Future of the Workforce In Pediatrics: A Blueprint for Action Designed at the FOPO Blueprint Summit–2:45PM–4:45PM, VCC, East 12

1660 General Pediatrics: Hospital Medicine I–2:45PM–4:45PM, VCC, East Ballroom C

1706 Development of an Objective Structured Clinical Examination (OSCE) to Assess the Performance of Interns Utilizing the Pediatric Milestones–2:45PM–4:45PM, VCC, East 16

1710* Habits of Highly Successful Academicians: Making Your Grandmother (and Your Department Chair) Proud–2:45PM–4:45PM, VCC, East 14

1730 Child Abuse–2:45PM–4:45PM, VCC, West 201

1734 Fellowship Training–2:45PM–4:45PM, VCC, West 219

2024 Building a Career In Health Services and Health Policy Research–7:00AM–8:00AM, Pan Pacific Vancouver, Gazebo II

2044 Conducting Community Engaged Research: Applying Mixed Methods to Improve Health Outcomes–7:00AM–8:00AM, Pan Pacific Vancouver, Oceanview 4

2103 Firearm Injury Prevention In Children: Setting the Research Agenda–8:00AM–10:00AM, VCC, West 121-22

2135 Two Sides of the Same Coin: A Closer Look At the United States Preventative Services Task Force Report–8:00AM–10:00AM, VCC, West 211

2150 Addressing Adolescent Health Risk Through Public Health Interventions–8:00AM–10:00AM, VCC, West 119-120

2160 General Pediatrics: Newborn Nurse–8:00AM–10:00AM, VCC, West 118

2165 Media & Technology–8:00AM–10:00AM, VCC, East Ballroom A

2170 Obesity & Disordered Eating I–8:00AM–10:00AM, VCC, West 220

2185 Premat Neonatal Imaging & Outcome–8:00AM–10:00AM, VCC, West Ballroom A

2190 Quality Improvement: Better Access to Care–8:00AM–10:00AM, VCC, West 212-213

2195 Serving Underserved Populations: Interventions to Address the Social Determinants of Health–8:00AM–10:00AM, VCC, West 214

2220 A Child’s Last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff–8:00AM–11:00AM, VCC, East 14

2224 Closing the Quality Chasm: Developing Care Coordination Capacity and Measuring its Performance–8:00AM–11:00AM, VCC, East 16

2236 Getting Your Articles Accepted–8:00AM–11:00AM, VCC, West 201

2240 Practice Redesign and the Patient-Centered Medical Home In the Academic Setting: Strategies for Planning, Implementing, and Evaluating Success–8:00AM–11:00AM, VCC, West 202

2252 Family Centered Care–8:00AM–11:00AM, VCC, West 216

2254 Integrative Pediatrics–8:00AM–11:00AM, VCC, East 9

2260 Pediatric Clinical Research Networks–8:00AM–11:00AM, VCC, West 219

2323A Emerging and Re-Emerging Pathogens In Pediatrics: Are We Prepared?–10:30AM–12:30AM, VCC, East Ballroom B

2326 Problematic Internet Use AMong Youth: Harm or Hype?–10:30AM–12:30PM, VCC, East Ballroom A

2355 General Pediatrics: Clinical Care–10:30AM–12:30PM, VCC, West 121-122

2360 General Pediatrics: Health Services Research–10:30AM–12:30PM, VCC, West 118

2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization–12:00PM–3:00PM, VCC, East 15

2468 Mastering the Art of Quality Improvement: A Recipe for Success!–12:00PM–3:00PM, VCC, West 202

2482 Tips, Tools and Tricks for Teaching Behavioral and Mental Health In Continuity Clinic–12:00PM–3:00PM, VCC, West 217

2484 Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program–12:00PM–3:00PM, VCC, West 114

2490 Division Directors–12:00PM–3:00PM, VCC, West 219

2492 Newborn Nursery–12:00PM–3:00PM, VCC, East 10

2493 Pediatric Tobacco Issues–12:00PM–3:00PM, VCC, East 9

2495 Home Visiting: Opportunities to Enhance Early Childhood Health–12:30PM–2:30PM, VCC, East 12

2670A New Developments and Controversies In Tick-Borne Diseases–1:00PM–3:00PM, VCC, East Ballroom B

2700 Asthma–1:00PM–3:00PM, VCC, West 220

2705 Disparities In the Health of Underserved Children: Implications for Population Health Management–1:00PM–3:00PM, VCC, West 111-112

2710 General Pediatrics: Obesity II–1:00PM–3:00PM, VCC, West 214

2715 General Pediatrics: Prevention, Public Health & Healthy Behavior–1:00PM–3:00PM, VCC, East 11

2720 Global Pediatric Research: Perinatal/Neonatal–1:00PM–3:00PM, VCC, West 110

2795 Global Total Prevention of Spina Bifida F and Anencephaly F–3:30PM–5:30PM, VCC, West 110
3140 Sigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM-10:00AM, VCC, West 8
3165 General Pediatrics: Medical Homes—8:00AM-10:00AM, VCC, East 11
3175 Hypertension Research In 2014—8:00AM-10:00AM, VCC, West 211
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making In Pediatrics—8:30AM-11:30AM, VCC, East 7
3222 Clinical Breastfeeding Medicine for the Busy Academic Pediatrician—8:30AM-11:30AM, VCC, East 13
3224 Direct Observation, Competency-Based Assessment and Learner-Centered Feedback: Making the OSCE Work For You—8:30AM-11:30AM, VCC, East 9
3226 Effective, Efficient and Innovative Medical Student and Resident Teaching: Who Says It Can’t Be Done?—8:30AM-11:30AM, VCC, West 121-122
3230 Helping Teachers Create Better Healthcare Simulations for Their Learners—8:30AM-11:30AM, VCC, East 17
3234 Promotion of Positive Parenting During Pediatric Visits—8:30AM-11:30AM, VCC, East 18
3238 Tales from Portlandia: Navigating the Unconventional In General Pediatrics—8:30AM-11:30AM, VCC, West 222
3240* Time Management for Physicians 101 or 911—8:30AM-11:30AM, VCC, West 221
3244 Your Educational Scholarly Project: From Idea to Design to Dissemination—8:30AM-11:30AM, VCC, West 204
3254 Health Literacy—8:30AM-11:30AM, VCC, West 114
3256 Injury Control—8:30AM-11:30AM, VCC, West 113
3258 Practical Strategies In Obesity Management: From Primary to Tertiary Care—8:30AM-11:30AM, VCC, East 10
3260 Quality Improvement/Race In Medicine—8:30AM-11:30AM, VCC, East 20
3350 Innovative Models In Pediatric Health Care Delivery—10:30AM-12:30PM, VCC, West 119-120
3372 Emergency Medicine II—10:30AM-12:30PM, VCC, East Ballroom C
3380 General Pediatrics: Data Driven Change—10:30AM-12:30PM, VCC, East 12
3390 Kids & Germs: Public Health & Infectious Disease In 21st Century—10:30AM-12:30PM, VCC, West 110
3392 Nanotechnology and Organs-On-A-Chip: Emerging Technologies to Study Physiology and Test Therapies In Human Infants—1:00PM-3:00PM, VCC, West Ballroom C
3396 Immunizations Delivery—1:00PM-3:00PM, VCC, East 12
3391 Respiratory Syncytial Virus: New Opportunities for Global Impact—3:30PM-5:30PM, VCC, East Ballroom C
3400 The Promise of Pharmacogenomics In Child Health—3:30PM-5:30PM, VCC, West 306
3410 Pediatric Nutrition—3:30PM-5:30PM, VCC, West 119-120
3720 Do You Agree With National Guidelines?—3:30PM-5:30PM, VCC, West 114
3722 Item Writing Workshop: The Art and Science of Developing Questions for Use On ABP Examinations—3:30PM-5:30PM, VCC, West 217
3738 Using Pediatric Lipid Profile Screening In Lifestyle Counseling—3:30PM-5:30PM, VCC, West 216
4220 Advocacy Training—9:00AM-12:00PM, VCC, East 13
4222 Continuity—9:00AM-12:00PM, VCC, East Parkview 2
4226 Ethics—9:00AM-12:00PM, VCC, West 116
4240 Nutrition—9:00AM-12:00PM, VCC, West 117
4242 Simulation-Based Medical Education (SBME)—9:00AM-12:00PM, VCC, East 19
4250 Practical Pharmacogenomics: Real Life Interpretation of Clinical Testing for Genotype-Guided Pharmacologic Therapy—9:30AM-11:30AM, VCC, East 16
4254 Doctor, What’s the Answer? How to Respond to Parents’ and Patients’ Top Environmental Questions—9:30AM-12:30PM, VCC, East 14
4264* Research to Impact: Strategies for Achieving Evidence-Based Health Policy—9:30AM-12:30PM, VCC, West 217
4266 Superstorm Sandy—Lessons Learned for Pediatric Disaster—9:30AM-12:30PM, VCC, West 215
4450 Anesthesiology and The Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits In Learning and Behavior?—9:45AM-11:45AM, VCC, West Ballroom C
4460 Is There a Doctor In the House?—9:45AM-11:45AM, VCC, East 8
4465 Media Violence and Real World Aggression: State of the Science and What Public Health Implications—9:45AM-11:45AM, VCC, West 220
4475 Understanding Food Protein Induced Enterocolitis Syndrome (FPIES) and Other Manifestations of Non-IgE Mediated Food Allergy In Children—9:45AM-11:45AM, VCC, East 10
4505 Emergency Medicine III—9:45AM-11:45AM, VCC, East Ballroom A
4510 General Pediatrics: Hospital Medicine II—9:45AM-11:45AM, VCC, East Ballroom B
4515 Human Milk/Breastfeeding—9:45AM-11:45AM, VCC, West 301-305
4540 Quality Improvement: Better Outcomes of Care—9:45AM-11:45AM, VCC, East 11
4580 Emerging and Challenging Infections In Infancy and Childhood—10:30AM-12:30PM, VCC, West 211
4615 Gastrointestinal Diseases In the NICU and Beyond—12:15PM-2:15PM, VCC, West 109
4620 None Communicable Diseases — A Global Child Health Challenge—12:15PM-2:15PM, VCC, West 110
4670 General Pediatrics: Behavior/Development—12:15PM-2:15PM, VCC, East Ballroom C
4725 Neonatal Septic: A Global Challenge—12:30PM-2:30PM, VCC, West Ballroom C
4735 Are You Ready to Chieve Your Goal?—12:30PM-2:30PM, VCC, East 13
4750 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity—8:30AM-11:30AM, VCC, West 203
3234 Promotion of Positive Parenting During Pediatric Visits—8:30AM–11:30AM, VCC, East 18
3254 Health Literacy—8:30AM–11:30AM, VCC, West 114

### Medical Informatics

- **1252** Blogs and Wikis and Feeds, Oh My!: Using Web Technologies to Get Your Project Done—8:30AM–11:30AM, VCC, East 15
- **2165** Media & Technology—8:00AM–10:00AM, VCC, East Ballroom A
- **2466** Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization—12:00PM–3:00PM, VCC, East 15
- **2491** Medical Informatics and Electronic Health Records (EHR)—12:00PM–3:00PM, VCC, West 115
- **3152** Top-Down ‘Big vs. Investigator-Initiated ‘Small’ Science: Controversies and Implications for Pediatric Research—8:00AM–10:00AM, VCC, West 109
- **3232** Keys To Successful Manuscript Writing, Journal Submission, Peer-review, and Publication—8:30AM–11:30AM, VCC, East 19
- **3350** Innovative Models in Pediatric Health Care Delivery—10:30AM–12:30PM, VCC, West 119-120
- **3640** The Promise of Pharmacogenomics in Child Health—3:30PM–5:30PM, VCC, West 306

### Neonatology

- **1075** Bilirubin Club: Neonatal Screening for G6PD Deficiency—7:00AM–9:00AM, VCC, Crystal Pavilion A
- **1105** Bouchard/Bassetin: The Genetics of Congenital Heart Disease—8:00AM–10:00AM, VCC, West 109
- **1120** Multi-Systems Approach to Identifying Biomarkers of Neonatal Pulmonary Disease in Preterm Infants, from Bench to Bedside—8:00AM–10:00AM, VCC, West Ballroom C
- **1175** Neonatal Neurodevelopmental Outcomes—8:00AM–10:00AM, VCC, West 110
- **1185** Preterm Brain Imaging—8:00AM–10:00AM, VCC, West 118
- **1190** Strategies for Prevention in Newborn Populations—8:00AM–10:00AM, VCC, West 110
- **1352** Ciliopathies—10:30AM–12:30PM, VCC, West 109
- **1355A** Congenital and Perinatal Infections: Current Concepts and Updates—10:30AM–12:30PM, VCC, West Ballroom B
- **1365** Neonatal Pain: Lost in Translation—10:30AM–12:30PM, VCC, West Ballroom C
- **1370** State of the Art and Science of Neonatal/Pediatric Extracorporeal Support—10:30AM–12:30PM, VCC, West 121-122
- **1445** Neonatal Medicine: Clinical Trials—10:30AM–12:30PM, VCC, West Ballroom A
- **1455** The Pulmonary Vasculature—10:30AM–12:30PM, VCC, West 110
- **1462A** Neonatal Feeding Club—12:00PM—1:15PM, VCC, West 306
- **1490A** NICU Follow-Up Models of Care: Lessons Learned From Other Countries—12:45PM–2:15PM, VCC, West 301-305

- **1610** Clinical Challenges in Pediatric Antibiotic Management—2:45PM–4:45PM, VCC, Parkview Ballroom
- **1615** Ethics in the Conduct of Clinical/Basic Research—2:45PM–4:45PM, VCC, West Ballroom A
- **1625** Neonatal Hemodynamics Club—7:30PM–8:45PM, Hyatt Regency Vancouver, Regency D: F

### Other Sessions

- **2036** Getting Started in Academic Neonatology: Balancing Scholarly Activity and RVUs—7:00AM–8:00AM, Pan Pacific Vancouver, Crystal Pavilion B
- **2038** Meet the Professor: Neonatology: The Physician Scientist: A Blueprint for Success—7:00AM–8:00AM, Pan Pacific Vancouver, Crystal Pavilion C
- **2100** Special Nutritional Considerations for the Critically Ill Premature Neonate—8:00AM–10:00AM, VCC, West Ballroom B
- **2130** The 2014 PDA – A Refined Approach to Care—8:00AM–10:00AM, VCC, West Ballroom C
- **2160** General Pediatrics: Newborn Nurse—8:00AM–10:00AM, VCC, West 118
- **2185** Preterm Neonatal Imaging & Outcome—8:00AM–10:00AM, VCC, West Ballroom A
- **2220** A Child’s Last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff—8:00AM–11:00AM, VCC, East 14
- **2254** Integrative Pediatrics—8:00AM–11:00AM, VCC, East 9
- **2323A** Emerging and Re-Emerging Pathogens in Pediatrics: Are We Prepared?—10:30AM–12:30AM, VCC, East Ballroom B
- **2327A** Recent Progress in Biliary Atresia in the World—10:30AM–12:30PM, VCC, West 109
- **2365** Hypothermia & Hypoxic Ischemic Encephalopathy—10:30AM–12:30PM, VCC, West Ballroom A
- **2445A** Old Drugs – New Uses for Neuroprotection – Are They Ready for Prime Time?—11:45AM–1:00PM, VCC, West Ballroom C
- **2466** Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization—12:00PM–3:00PM, VCC, East 15
- **2468** Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM–3:00PM, VCC, West 202
- **2492** Newborn Nursing—12:00PM–3:00PM, VCC, East 10
- **2675** New Neuropeptidergic Strategies for Neonatal Hypoxic-Ischemic Encephalopathy—1:00PM–3:00PM, VCC, West Ballroom C
- **2720** Global Pediatric Research: Perinatal/Neonatal—1:00PM–3:00PM, VCC, West 110
- **2765A** Neonatal Sepsis Club—2:00PM–3:00PM, VCC, East Ballroom A
- **2780** Adrenal Function in the Preterm and Sick Term Neonate: Reliability of Assessment and Effects of Treatment—3:30PM–5:30PM, VCC, West 220
- **2795** Global Total Prevention of Spinal Bifida F and Anencephaly F—3:30PM–5:30PM, VCC, West 110
- **2810** The Emergence of Resting State Brain Activity and Stream of Consciousness—3:30PM–5:30PM, VCC, West 109
- **2815** The Human Microbiome: A New Vista on Childhood Biology—3:30PM–5:30PM, VCC, East B
- **2825** Cardiac & Pulmonary Development—3:30PM–5:30PM, VCC, West 121-122
- **2855** Neonatal Pain—3:30PM–5:30PM, VCC, West Ballroom A
- **2890A** RDS 11th Annual Stanley A. Plotkin Lectureship in Vaccinology—4:00PM–5:00PM, VCC, East Ballroom B
- **3105** Enteral Nutrition Promotes Optimal Intestinal Adaptation and Prevents NEC—8:00AM–10:00AM, VCC, West Ballroom A
- **3110** Evidence, Quality, Efficiency and Waste: Solving the Value Equation in Neonatal Intensive Care—8:00AM–10:00AM, VCC, West 119-120
- **3150** The Cerebellum – An Emerging Target for Improving Outcomes After Prematurity—8:00AM–10:00AM, VCC, West Ballroom B
- **3160** Clinical Bioethics—8:00AM–10:00AM, VCC, West 110
- **3220** A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics—8:30AM–11:30AM, VCC, East 7
- **3222** Clinical Breastfeeding Medicine for the Busy Academic Pediatrician—8:30AM–11:30AM, VCC, East 13
S es sions by track/topic

Nephrology

1060A Caffeine and light Breakfast with Pediatric Nephrology fellows and Faculty--7:00AM–8:00AM, VCC, West 219
1130 Pediatric Kidney Stones--8:00AM–10:00AM, VCC, West 211
1475A ASPN Awards Luncheon--12:15PM–1:30PM, VCC, West Ballroom D
1605 Blood Pressure Control in Pediatric Chronic Kidney Disease: What’s Possible, Why--2:45PM–4:45PM, VCC, West 214

1610 Clinical Challenges in Pediatric Antibiotic Management--2:45PM–4:45PM, VCC, Parkview Ballroom
1635A The Renal Endothelium: Update 2014--2:45PM–4:45PM, VCC, West 211
1685 Nephrology: Clinical/Translational--2:45PM–4:45PM, VCC, West 212-213
1950A ASPN Member Reception--8:00PM–9:30PM, Hyatt Regency Vancouver, Perspectives Level: Cypress, Stanley, Gr
2040 Pediatric Nephrology: A Challenging and Rewarding Career Choice--7:00AM–8:00AM, Pan Pacific Vancouver, Pacific Rim 1
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report--8:00AM–10:00AM, VCC, West 211
2210A Ethical Dilemmas in Pediatric Nephrology: A Case-Based Approach--8:00AM–10:00AM
2330A The Kidney Intoxicated: Impact of Environmental and Pharmacological Exposures on the Kidney--10:30AM–12:30PM, VCC, West 221
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization--12:00PM–3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success--12:00PM–3:00PM, VCC, West 202
2655A Chronic Kidney Disease After Acute Kidney Injury--1:00PM–3:00PM, VCC, West 211
2795 Global Total Prevention of Spina Bifida F and Anencephaly F--3:30PM–5:30PM, VCC, West 110
2805 The Challenges of Adherence in Adolescents with Chronic Medical Disease--3:30PM–5:30PM, VCC, West 301-305
2880A ASPN Presidential Address and Business Meeting--3:30PM–5:30PM, VCC, West 211
3055A Pediatric Nephrology in a Small Group Setting Setting Breakfast--7:00AM–8:00AM, Fairmont Waterfront Vancouver, Princess Louis suite
3155 What’s Hot in Pediatric Research: Highlights of the Annual Review Issue--8:00AM–10:00AM, VCC, West 212-213
3175 Hypertension Research in 2014--8:00AM–10:00AM, VCC, West 211
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics--8:30AM–11:30AM, VCC, East 7
3275A "Urine the know" The Best of Pediatric Nephrology in 2013--14–8:30AM–11:30AM
3425A ASPN CPC Fellow’s Luncheon: Battle of the Brains--11:45AM–12:45PM, VCC, West 211
3430A ICD-10 for Pediatric Nephrologists: Lunchenth Mark Joseph--11:45AM–12:45PM
3505 Beans and Bones: FGF-23 in Metabolic Bone Disease--1:00PM–3:00PM, VCC, West 211
3565 Nephrology: Basic Science--1:00PM–3:00PM, VCC, West 212-213
3632A Stimulants, Steroids and Sweat Chlorides: Statural Growth in 3 Common Pediatric Conditions--3:30PM–5:30PM, VCC, West 211
3645 Vesuvianerfluf Reflux and UTIs, Is There Anything New?--3:30PM–5:30PM, VCC, West 220
3655A Biomarkers & Clinical Outcomes in Pediatric Critical Care--3:30PM–5:30PM, VCC, West 223-224
3720 Do You Agree with National Guidelines?--3:30PM–5:30PM, VCC, West 114
3972 Item Writing Workshop: The Art and Science of Developing Questions for Use On ABP Examinations--3:30PM–5:30PM, VCC, West 221
3973 Global Total Prevention of Spina Bifida F and Anencephaly F--3:30PM–5:30PM, VCC, West 211
3985A Lung Club: The Newborn Lung: Handle with Care!--7:45PM–9:00PM, Fairmont Waterfront Vancouver, Waterfront Ballroom
4203i Maternal – Fetal Interface: Balancing Fetal Tolerance and Pathogen Defense--8:00AM–10:00AM, VCC, West Ballroom B
4236 Ethics--9:00AM–12:00PM, VCC, West 116
4242 Simulation-Based Medical Education (SBME)--9:00AM–12:00PM, VCC, East 19
4266 Superstorms Sandy: Lessons Learned for Pediatric Disaster--9:30AM–12:30PM, VCC, West 215
4450A Anesthesiology and The Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits in Learning and Behavior?--9:45AM–11:45AM, VCC, West Ballroom C
4515 Human Milk/Breastfeeding--9:45AM–11:45AM, VCC, West 301-305
4535 Pulmonary Vascular Biology--9:45AM–11:45AM, VCC, West Ballroom A
4580 Emerging and Challenging Infections in Infancy and Childhood--10:30AM–12:30PM, VCC, West 211
4615 Gastrointestinal Diseases in the NICU and Beyond--12:15PM–2:15PM, VCC, West 109
4650 Animal Models of Hypoxic-Ischemic Brain Injury--12:15PM–2:15PM, VCC, West 118
4655 Cardiovascular Regulation & Neonatal Outcomes--12:15PM–2:15PM, VCC, West Ballroom B
4680 Neonatal Medicine: Pulmonary Clinical Trials--12:15PM–2:15PM, VCC, West Ballroom A
4725 Neonatal Septis: A Global Challenge--12:30PM–2:30PM, VCC, West Ballroom C
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization--12:00PM–3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success--12:00PM–3:00PM, VCC, West 202
2670A New Developments and Controversies in Tic-Tac-Toe Diseases--1:00PM–3:00PM, VCC, East Ballroom B
2795 Global Total Prevention of Spina Bifida F and Anencephaly F--3:30PM–5:30PM, VCC, West 110
2810 The Emergence of Resting State Activity and Stream of Consciousness--3:30PM–5:30PM, VCC, West 109
2835 Neonatal Pain--3:30PM–5:30PM, VCC, West Ballroom A
3150 The Cerebellum--An Emerging Target for Improving Outcomes After Prematurity--8:00AM–10:00AM, VCC, West Ballroom B
3155 What's Hot in Pediatric Research--Highlights of the Annual Review Issue--8:00AM–10:00AM, VCC, West 212/213
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics--8:30AM–11:30AM, VCC, East
3365 Developmental Biology--10:30AM–12:30PM, VCC, West 111-112
3375 Experimental Neonatal Brain Injury & Therapy--10:30AM–12:30PM, VCC, West Ballroom B
3525 How and When to Treat Paediatric Ventricular Dilatation: Have We Found the Answer?--1:00PM–3:00PM, VCC, West 118
3555 Human Milk--1:00PM–3:00PM, VCC, West 110
3630 Predicting Neurological Outcomes of Extremely Low Gestational Age Neonates--3:30PM–5:30PM, VCC, West 118
3720 Do You Agree with National Guidelines--3:30PM–5:30PM, VCC, West 114
4450 Anesthesiology and The Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits In Learning and Behavior?--9:45AM–11:45AM, VCC, West Ballroom C
4515 Human Milk/Breastfeeding--9:45AM–11:45AM, VCC, West 301-305
4580 Emerging and Challenging Infections in Infancy and Childhood--10:30AM–12:30PM, VCC, West 211
4650 Animal Models of Hypoxic-Ischemic Brain Injury--12:15PM–2:15PM, VCC, West 118
4655 Cardiovascular Regulation & Neonatal Outcomes--12:15PM–2:15PM, VCC, West Ballroom B

Obesity/Metabolism

1115 Humanized Mouse Models for Studying Disease--8:00AM–10:00AM, VCC, West 212/213
1155 General Pediatrics: Obesity I--8:00AM–10:00AM, VCC, East 13
1607 Childhood Obesity and Its Consequences: Potential Solutions--2:45PM–4:45PM, VCC, East Ballroom B
1655 Fetal Origins of Adult Disease--2:45PM–4:45PM, VCC, West 110
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventive Services Task Force Report--8:00AM–10:00AM, VCC, West 211
2170 Obesity & Disordered Eating I--8:00AM–10:00AM, VCC, West 220
2254 Integrative Pediatrics--8:00AM–11:00AM, VCC, East 9
2468 Mastering the Art of Quality Improvement: A Recipe for Success--12:00PM–3:00PM, VCC, West 207
2710 General Pediatrics: Obesity II--1:00PM–3:00PM, VCC, West 214
2815 The Human Microbiome: A New Vista on Childhood Obesity--3:30PM–5:30PM, VCC, East 8
2865 Obesity & Disordered Eating II--3:30PM–5:30PM, VCC, West 214
3102A Endocrine Issues in the Childhood Cancer Survivor--8:00AM–10:00AM, VCC, West 301-305
3140 Sigmund, Ostracism and Bullying: Dangers, Prevention and Interventions--8:00AM–10:00AM, VCC, East 8
3175 Hypertension Research in 2014--8:00AM–10:00AM, VCC, West 211
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics--8:30AM–11:30AM, VCC, East 7
3258 Practical Strategies in Obesity Management: From Primary to Tertiary Care--8:30AM–11:30AM, VCC, East 10
3530 Malnutrition in Asia--1:00PM–3:00PM, VCC, West 220
3555 Human Milk--1:00PM–3:00PM, VCC, West 110
3660 Gastroenterology/Hepatology--3:30PM–5:30PM, VCC, West 121-122
3680 Pediatric Nutrition--3:30PM–5:30PM, VCC, West 119-120
3720 Do You Agree with National Guidelines--3:30PM–5:30PM, VCC, West 114
3738 Using Pediatric Lipid Profile Screening in Lifestyle Counseling--3:30PM–5:30PM, VCC, West 216
4240 Nutrition--9:00AM–12:00PM, VCC, West 117
4515 Human Milk/Breastfeeding--9:45AM–11:45AM, VCC, West 301-305
4620 None Communicable Diseases -- A Global Child Health Challenge--12:15PM–2:15PM, VCC, West 110

Pharmacology

1135 Pharmacotherapy for ADHD: New Findings and Old Controversies--8:00AM–10:00AM, VCC, East 10
1355A Congenital and Perinatal Infections: Current Concepts and Updates--10:30AM–12:30PM, VCC, West Ballroom B
1610 Clinical Challenges in Pediatric Antibiotic Management--2:45PM–4:45PM, VCC, Parkview Ballroom
2180 Pharmacology--8:00AM–10:00AM, VCC, East 11
2855 Neonatal Pain--3:30PM–5:30PM, VCC, West Ballroom A
3631A Respiratory Syncytial Virus: New Opportunities for Global Impact--3:30PM–5:30PM, VCC, East Ballroom C
3632A Stimulants, Steroids and Sweat Chlorides: Statural Growth In 3 Common Pediatric Conditions--3:30PM–5:30PM, VCC, West 211
3640 The Promise of Pharmacogenomics in Child Health--3:30PM–5:30PM, VCC, West 306
3736 Putting Together the Nuts and Bolts of Pediatric Antimicrobial Stewardship--3:30PM–5:30PM, VCC, West 204
4250 Practical Pharmacogenetics: Real Life Interpretation of Clinical Testing for Genotype-Guided Pharmacologic Therapy--9:30AM–11:30AM, VCC, East 16
4450 Anesthesiology and The Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits In Learning and Behavior?--9:45AM–11:45AM, VCC, West Ballroom C

Public Health

1075A Bilirubin Club: Newborn Screening for G6PD Deficiency--7:00AM–9:00AM, VCC, Crystal Pavilion A
1100 ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform--8:00AM–10:00AM, VCC, East 12
1145 Why Are Health Outcomes for Children and Youth, Lower In The US Than In Our Peer Nations?--8:00AM–10:00AM, VCC, East Ballroom C
1190 Strategies for Prevention in Newborn Populations--8:00AM–10:00AM, VCC, West 110
1254 Defining Comparative Effectiveness Research (CER) Methods: Taking the Fear Out of Statistics--8:30AM–11:30AM, VCC, East 16
1268 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity--8:30AM–11:30AM, VCC, West 203
1290 LGBTQ Health and Well-Being--8:30AM–11:30AM, VCC, West 115
1335A Congenital and Perinatal Infections: Current Concepts and Updates--10:30AM–12:30PM, VCC, West Ballroom B
1360* Is Health Reform Working for Children?: State Implementation of the Affordable Care Act and Its Consequences for Access to Care and the Practice of Pediatrics--10:30AM–12:30PM, VCC, East 12
1405 Behavior Initiation & Health Screening--10:30AM–12:30PM, VCC, East 10
1450 Quality Improvement: Better Process of Care--10:30AM–12:30PM, VCC, West 119-120
1607 Childhood Poverty and Its Consequences: Potential Solutions--2:45PM–4:45PM, VCC, East Ballroom B
1630 The Future of the Workforce in Pediatrics: A Blueprint for Action Designed at the Future of Pediatric Oncology (FOPO) Visioning Summit--2:45PM–4:45PM, VCC, East 12
1685 Nephrology: Clinical/Translational--2:45PM–4:45PM, VCC, West 212-213
1732 Culture, Ethnicity & Health Care/Environmental Health--2:45PM–4:45PM, VCC, West 113
1734 Fellowship Training--2:45PM–4:45PM, VCC, West 219
2105 firearm Injury Prevention in Children: Setting the Research Agenda--8:00AM–10:00AM, VCC, West 121-122
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report--8:00AM–10:00AM, VCC, West 211
2150 Addressing Adolescent Health Risk Through Public Health Interventions--8:00AM–10:00AM, VCC, West 119-120
2165 Media & Technology--8:00AM–10:00AM, VCC, East Ballroom A
2190 Quality Improvement: Better Access to Care--8:00AM–10:00AM, VCC, West 212-213
Pulmonology

1115 Humanized Mouse Models for Studying Disease—8:00AM - 10:00AM, VCC, West 212-213
1120 Multi-Systems Approach to Identifying Biomarkers of Neonatal Pulmonary Disease in Preterm Infants, from Bench to Bedside—8:00AM - 10:00AM, VCC, West Ballroom C
1445 Neonatal Medicine: Clinical Trials—10:30AM - 12:30PM, VCC, West Ballroom A
1455 The Pulmonary Vasculature—10:30AM - 12:30PM, VCC, West 110
1625 New Insights Into Mast Cell Biology in Pediatric Health and Disease—2:45PM - 4:45PM, VCC, West 223-224
1680 Mechanisms & Therapeutic Insight in Pediatric Critical Care—2:45PM - 4:45PM, VCC, West 118
2046 Meet the Professor: Pulmonology—7:00AM - 8:00AM, Pan Pacific Vancouver, Pacific Rim 2
2220 A Child’s Last Hours: Advanced End-of-Life Care Skills Training for Children’s Hospital Staff—8:00AM - 11:00AM, VCC, East 14
2254 Integrative Pediatrics—8:00AM - 11:00AM, VCC, East 9
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization—12:00PM - 3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM - 3:00PM, VCC, West 202
2700 Asthma—1:00PM - 3:00PM, VCC, West 220
2825 Cardiac & Pulmonary Development—3:30PM - 5:30PM, VCC, West 121-122
3155 What’s Hot in Pediatric Research: Highlights of the Annual Review Issue—8:00AM - 10:00AM, VCC, West 212-213
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics—8:30AM - 11:30AM, VCC, East 7
3260 Quality Improvement/Race in Medicine—8:30AM - 11:30AM, VCC, East 20
3345 Evaluation and Management of Infants and Children with Pulmonary Hypertensive Vascular Disease—10:30AM - 12:30PM, VCC, West Ballroom A
3365 Developmental Biology—10:30AM - 12:30PM, VCC, West 111-112
3532 Nanotechnology and Organs-on-a-Chip: Emerging Technologies to Study Physiology and Test Therapies in Human Infants—1:00PM - 3:00PM, VCC, West Ballroom C
3631A Respiratory Syncytial Virus: New Opportunities for Global Impact—3:30PM - 5:30PM, VCC, East Ballroom C
3665 Lung Injury & Novel Targeted Therapies—3:30PM - 5:30PM, VCC, West 109
3690 Pulmonary Hypertension—3:30PM - 5:30PM, VCC, West Ballroom B
3720 Do You Agree with National Guidelines?—3:30PM - 5:30PM, VCC, East 114
3722 Item Writing Workshop: The Art and Science Of Developing Questions for Use On ABP Examinations—3:30PM - 5:30PM, VCC, West 217
4535 Pulmonary Vascular Biology—9:45AM - 11:45AM, VCC, West Ballroom A
4680 Neonatal Medicine: Pulmonary Clinical Trials—12:15PM - 2:15PM, VCC, West Ballroom A

Quality Improvement/Patient Safety

1100 ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform—8:00AM - 10:00AM, VCC, East 12
1250* Are You Lean? Equip Yourself: Enhancing Quality and Improving Processes with Lean Methodologies—8:30AM - 11:30AM, VCC, East 14
1252 Blogs and Wikis and Feeds, Oh My! Using Web Technologies to Get Your Project Done—8:30AM - 11:30AM, VCC, East 15
1258 Getting the Most Out of Quality Improvement: A Practical Introduction to Statistical Process Control and Using Run and Control Charts—8:30AM - 11:30AM, VCC, West 215
1272 Transforming the Morbidity and Mortality Conference Into a Powerful Tool for Improving Safety and Quality—8:30AM - 11:30AM, VCC, West 222
1286 Faculty Development—8:30AM - 11:30AM, VCC, West 216
1288 Hospital Medicine—8:30AM - 11:30AM, VCC, West 306
1685 Nephrology: Clinical/Translational—2:45PM - 4:45PM, VCC, West 212-213
1695 Quality Measurement & Improvement—2:45PM - 4:45PM, VCC, East 11
1704 Delving Deeper Into Qualitative Research Methods: Philosophical Frameworks and Qualitative Analysis—2:45PM - 4:45PM, VCC, East 15
1708 Get Part 4 MOC Credit for Your Quality Improvement Work! Navigating The American Board of Pediatrics’ Quality Improvement Project Approval Program—2:45PM - 4:45PM, VCC, East 17
1718* Pediatric Health Care Value Proposition: Improving Quality and Reducing Costs—2:45PM - 4:45PM, VCC, West 216
1722 Standardized Work Processes: Designing Sustainable Quality Improvement Interventions—2:45PM - 4:45PM, VCC, West 218
1734 Fellowship Training—2:45PM – 4:45PM, VCC, West 219
2048 Public Health and Healthcare Quality—7:00AM – 8:00AM, Pan Pacific Vancouver, Coal Harbour Suite
2160 General Pediatrics: Newborn Nurse—8:00AM – 10:00AM, VCC, West 118
2190 Quality Improvement: Better Access to Care—8:00AM – 10:00AM, VCC, West 212,213
2240 Practice Redesign and the Patient-Centered Medical Home in the Academic Setting: Strategies for Planning, Implementing, and Evaluating Success—8:00AM – 11:00AM, VCC, West 202
2242 Quality Improvement Science - Data Collection and Analysis Techniques—8:00AM – 11:00AM, VCC, West 116
2355 General Pediatrics: Clinical Care—10:30AM – 12:30PM, VCC, West 121-122
2385 Pediatric Palliative Care—10:30AM – 12:30PM, VCC, West 110
2466 Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization—12:00PM – 3:00PM, VCC, East 15
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM – 3:00PM, VCC, West 202
2484 Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program—12:00PM – 3:00PM, VCC, West 114
2490 Division Directors—12:00PM – 3:00PM, VCC, West 219
2492 Newborn Nurse—12:00PM – 3:00PM, VCC, East 10
2555 Neonatal Pain—3:30PM – 5:30PM, VCC, West Ballroom A
3100 Driving Change in Child Health Care: Successes and Challenges in Quality Measurement—8:00AM – 10:00AM, VCC, East 12
3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM – 10:00AM, VCC, East 8
3152 Top-Down ‘Big’ vs. Investigator-Initiated ‘Small’ Science: Controversies and Implications for Pediatric Research—8:00AM – 10:00AM, VCC, West 109
3160 Clinical Bioethics—8:00AM – 10:00AM, VCC, West 110
3230 Helping Teachers Create Better Healthcare Simulations for Their Learners—8:30AM – 11:00AM, VCC, East 17
3250 Evidence Based Pediatrics—8:30AM – 11:30AM, VCC, East 14
3260 Quality Improvement/Race in Medicine—8:30AM – 11:30AM, VCC, East 20
3350 Innovative Models in Pediatric Health Care Delivery—10:30AM – 12:30PM, VCC, West 119,120
3380 General Pediatrics: Data Driven Change—10:30AM – 12:30PM, VCC, East 12
3555 Human Milk—1:00PM – 3:00PM, VCC, West 110
3640 The Promise of Pharmacogenomics in Child Health—3:30PM – 5:30PM, VCC, West 306
3736 Putting Together the Nuts and Bolts of Pediatric Antimicrobial Stewardship—3:30PM – 5:30PM, VCC, West 204
3740 We All Make Mistakes: How [and Why] to Disclose Them to Patients Without Adding Unnecessary Liability Risk—3:30PM – 5:30PM, VCC, West 115
4272 Writing and Publishing Quality Improvement—9:30AM – 12:30PM, VCC, West 219
4510 General Pediatrics: Hospital Medicine II—9:45AM – 11:45AM, VCC, East Ballroom B
4540 Quality Improvement: Better Outcomes of Care—9:45AM – 11:45AM, VCC, East 11
3260 Quality Improvement/Race in Medicine—8:30AM – 11:30AM, VCC, East 20
3262 Serving the Underserved/Teaching in Community Settings—8:30AM – 11:30AM, VCC, East Parkview 2,3
3640 The Promise of Pharmacogenomics in Child Health—3:30PM – 5:30PM, VCC, West 306
4240 Nutrition—9:00AM – 12:00PM, VCC, West 117
4670 General Pediatrics: Behavior/Development—12:15PM – 2:15PM, VCC, East Ballroom C

School & Community Health
1268 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity—8:00AM – 11:30AM, VCC, West 203
1445 Neonatal Medicine: Clinical Trials—10:30AM – 12:30PM, VCC, West Ballroom A
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM – 4:45PM, VCC, East Ballroom B
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report—8:00AM – 10:00AM, VCC, West 211
2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM – 10:00AM, VCC, West 119,120
2332A Emerging and Re-Emerging Pathogens in Pediatrics: Are We Prepared?—10:30AM – 12:30AM, VCC, East Ballroom B
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM – 3:00PM, VCC, West 202
2715 General Pediatrics: Prevention, Public Health & Healthy Behavior—1:00PM – 3:00PM, VCC, East 11
2890A RDS 11th Annual Stanley A. Plotkin Lectureship in Vaccinology—4:00PM – 5:00PM, VCC, East Ballroom B
3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM – 10:00AM, VCC, East 8
3234 Promotion of Positive Parenting During Pediatric Visits—8:30AM – 11:30AM, VCC, East 18
3256 Injury Control—8:30AM – 11:30AM, VCC, West 113
3260 Quality Improvement/Race in Medicine—8:30AM – 11:30AM, VCC, East 20
3390 Kids & Germs: Public Health & Infectious Disease in 21st Century—10:30AM – 12:30PM, VCC, West 110
3685 Prevention & Health Services—3:30PM – 5:30PM, VCC, East 11
4238 Health Care Transition and Disease Self-Management—9:00AM – 12:00PM, VCC, East 18
4240 Nutrition—9:00AM – 12:00PM, VCC, West 117
4262 Pediatric Concussion: Making the Diagnosis and Making the Discharge Plan—9:30AM – 12:30PM, VCC, West 204
4475 Understanding Food Protein Induced Enterocolitis Syndrome (FPIES) and Other Manifestations of Non-IgE Mediated Food Allergy in Children—9:45AM – 11:45AM, VCC, West 109
4620 None Communicable Diseases – A Global Child Health Challenge—12:15PM – 2:15PM, VCC, West 110
4670 General Pediatrics: Behavior/Development—12:15PM – 2:15PM, VCC, East Ballroom C

Social Determinants/Health Disparities
1075A Bilirubin Club: Newborn Screening for G6PD Deficiency—7:00AM – 9:00AM, VCC, Crystal Pavilion A
1140 Unconscious Bias and Diversity in Pediatrics: Walking the Walk—8:00AM – 10:00AM, VCC, East 11
1495A Global Pediatric Research: Global Child Health in Rich & Poor Countries: Lessons Learned from Indigenous Health Research & Practice—Part 2—2:15PM – 3:00PM, VCC, East Ballroom A
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM – 4:45PM, VCC, East Ballroom B
1630 The Future of the Workforce in Pediatrics: A Blueprint for Action Designed at the FOPO Visioning Summit—2:45PM – 4:45PM, VCC, East 12
1734 Fellowship Training—2:45PM – 4:45PM, VCC, West 219
2195 Serving Underserved Populations: Interventions to Address the Social Determinants of Health—8:00AM – 10:00AM, VCC, West 214
2705 Disabilities in the Health of Underserved Children: Implications for Population Health Management—1:00PM – 3:00PM, VCC, West 111-112
3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM – 10:00AM, VCC, East 8

Race/Ethnicity
1075A Bilirubin Club: Newborn Screening for G6PD Deficiency—7:00AM – 9:00AM, VCC, Crystal Pavilion A
1140 Unconscious Bias and Diversity in Pediatrics: Walking the Walk—8:00AM – 10:00AM, VCC, East 11
1495A Global Pediatric Research: Global Child Health in Rich & Poor Countries: Lessons Learned from Indigenous Health Research & Practice—Part 2—2:15PM – 3:00PM, VCC, East Ballroom A
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM – 4:45PM, VCC, East Ballroom B
1630 The Future of the Workforce in Pediatrics: A Blueprint for Action Designed at the FOPO Visioning Summit—2:45PM – 4:45PM, VCC, East 12
1685 Nephrology: Clinical/Translational—2:45PM – 4:45PM, VCC, West 212,213
1732 Culture, Ethnicity & Health Care/Environmental Health—2:45PM – 4:45PM, VCC, West 113
1734 Fellowship Training—2:45PM – 4:45PM, VCC, West 219
2135 Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report—8:00AM – 10:00AM, VCC, West 211
2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM–10:00AM, VCC, West 119-120
2195 Serving Underserved Populations: Interventions to Address the Social Determinants of Health—8:00AM–10:00AM, VCC, West 214
2332 Early Childhood Systems, Milestones and Toxic Stress: Oh My! The Road to Building a Community Curriculum Aligned with the New Children’s Agenda—8:00AM–11:00AM, VCC, East 17
2355 General Pediatrics: Clinical Care—10:30AM–12:30PM, VCC, West 121-122
2360 General Pediatrics: Health Services Research—10:30AM–12:30PM, VCC, West 118
2484 Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program—12:00PM–3:00PM, VCC, West 114
2495 Home Visiting: Opportunities to Enhance Early Childhood Health—12:30PM–2:30PM, VCC, East 12
2705 Disparities in the Health of Underserved Children: Implications for Population Health Management—1:00PM–3:00PM, VCC, West 111-112
3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions—8:00AM–10:00AM, VCC, East 8
3152 Top-Down ‘Big’ vs. Investigator-Initiated ‘Small’ Science: Controversies and Implications for Pediatric Research—8:00AM–10:00AM, VCC, West 109
3165 General Pediatrics: Medical Homes—8:00AM–10:00AM, VCC, East 11
3256 Injury Control—8:30AM–11:30AM, VCC, West 113
3260 Quality Improvement/Race in Medicine—8:30AM–11:30AM, VCC, East 20
3262 Serving the Underserved/Teaching in Community Settings—8:30AM–11:30AM, VCC, East Parkview 2-3
4230 Advocacy Training—9:00AM–12:00PM, VCC, East 13
4246 Ethics—9:00AM–12:00PM, VCC, West 116
4240 Nutrition—9:00AM–12:00PM, VCC, West 117
4670 General Pediatrics: Behavior/Development—12:15PM–2:15PM, VCC, East Ballroom C

Tobacco Prevention
2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM–10:00AM, VCC, West 119-120
2493 Pediatric Tobacco Issues—12:00PM–3:00PM, VCC, East 9
2830 Child Health & the Environment—3:30PM–5:30PM, VCC, West 111-112
3340 Environmental Hazards: How Big is the Global Burden of Disease?—10:30AM–12:30PM, VCC, West 212-213
3520 Home Safe Home—1:00PM–3:00PM, VCC, West 214
3720 Do You Agree with National Guidelines?—3:30PM–5:30PM, VCC, West 114

Vulnerable and Underserved Populations
1100 ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform—8:00AM–10:00AM, VCC, East 12
1190 Strategies for Prevention in Newborn Populations—8:00AM–10:00AM, VCC, West 110
1268 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity—8:30AM–11:30AM, VCC, West 203
1290 LGBTQ Health and Well-Being—8:30AM–11:30AM, VCC, West 115
1355A Congenital and Perinatal Infections: Current Concepts and Updates—10:30AM–12:30PM, VCC, West Ballroom B
1435 General Pediatrics: Underserved—10:30AM–12:30PM, VCC, East 13
1607 Childhood Poverty and Its Consequences: Potential Solutions—2:45PM–4:45PM, VCC, East Ballroom B
1610 Clinical Challenges in Pediatric Antibiotic Management—2:45PM–4:45PM, VCC, Parkview Ballroom
1615 Ethics in the Conduct of Clinical/Basic Research—2:45PM–4:45PM, VCC, West Ballroom A
1730 Child Abuse—2:45PM–4:45PM, VCC, West 201
1732 Culture, Ethnicity & Health Care/Environmental Health—2:45PM–4:45PM, VCC, West 113
1734 Fellowship Training—2:45PM–4:45PM, VCC, West 219
2150 Addressing Adolescent Health Risk Through Public Health Interventions—8:00AM–10:00AM, VCC, West 119-120
2195 Serving Underserved Populations: Interventions to Address the Social Determinants of Health—8:00AM–10:00AM, VCC, West 214

Well Newborn
1075A Bิrrilubin Club: Newborn Screening for G6PD Deficiency—7:00AM–9:00AM, VCC, Crystal Pavilion A
1627 Optimizing Placental Transfusion: Should We Be Doing It for All Infants?—2:45PM–4:45PM, VCC, West 211-112
1722 Standardized Work Processes: Designing Sustainable Quality Improvement Interventions—2:45PM–4:45PM, VCC, West 218
2240 Practice Redesign and the Patient-Centered Medical Home in the Academic Setting: Strategies for Planning, Implementing, and Evaluating Success—8:00AM–11:00AM, VCC, West 202
2254 Integrative Pediatrics—8:00AM–11:00AM, VCC, East 9
2468 Mastering the Art of Quality Improvement: A Recipe for Success—12:00PM–3:00PM, VCC, West 202
2492 Newborn Nursery—12:00PM–3:00PM, VCC, East 10
3220 A Competency-Based Approach To Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics—8:30AM–11:30AM, VCC, East 7
3222 Clinical Breastfeeding Medicine for the Busy Academic Pediatrician—8:30AM–11:30AM, VCC, East 13
3350 Innovative Models in Pediatric Health Care Delivery—10:30AM–12:30PM, VCC, West 119-120
3680 Pediatric Nutrition—3:30PM–5:30PM, VCC, West 119-120
3720 Do You Agree with National Guidelines?—3:30PM–5:30PM, VCC, West 114
4236 Ethics—9:00AM–12:00PM, VCC, West 116
APS members are invited to join us for a day-long celebration of the traditions and future of the American Pediatric Society

Based on our successful programs in Vancouver, Denver, Boston, and Washington DC, we will once again have an APS program track within the 2014 Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting in Vancouver. The day will focus on cutting edge research and will honor new and senior members who have made significant contributions to the field of academic pediatrics. The day includes:

**APS Presidential Plenary Session _ 10:15am – 11:45am**

- APS President Alan L. Schwartz will deliver the APS Presidential Keynote Address, entitled “The Thrill of Discovery (and other foundations of biomedical research).”
- The Norman J. Siegel New Member Outstanding Science Award, an award bestowed on a newly elected APS Member to acknowledge his/her outstanding contributions to science, will be presented to Dr. Jean-Laurent Casanova, from The Rockefeller University, the Howard Hughes Medical Institute, and the St. Giles Laboratory of Human Genetics of Infectious Diseases at The Rockefeller University Hospital. His presentation is entitled, “Toward a Genetic Theory of Childhood Infectious Diseases.”
- The 62nd John Howland Medal, an award that honors lifetime achievements in academic medicine, will be presented to Dr. Rebecca H. Buckley from Duke University Medical Center. Her presentation is entitled, “Saving Lives Through Early Diagnosis.”

**APS Members’ Networking Lunch (restricted to APS members) _ 12:00pm – 1:00pm**

Immediately following the APS Presidential Plenary Session, APS Members are invited to network and share their ideas about the future direction of our organization and to learn about opportunities for involvement in the APS. The 2014 APS Networking Lunch will focus on the APS-AAP Committee on Pediatric Research (COPR) Research Success Story Project and will include brief presentations by participants in the project.

**APS State of the Times Scientific Symposium _ 1:00pm – 3:00pm**

A cutting edge scientific symposium, sponsored by the APS, will follow the APS Members’ Networking Lunch. This year the topic for the APS-sponsored symposium is “Advocacy for Child Health Research – The APS-COPR Success Story Project.”

**APS State of the Art Plenary _ 3:30pm – 5:30pm**

A cutting edge scientific session, sponsored by the APS, will follow the APS State of the Times Scientific Symposium. The topic for the APS-sponsored plenary is “The Human Microbiome: A New Vista on Childhood Biology.”

**APS Members’ (Howland) Award Dinner _ 7:00pm – 9:30pm**

The day will conclude with the annual APS Members’ Dinner honoring the 2014 Howland Award recipient, Dr. Rebecca H. Buckley. The evening promises to be a wonderful celebration for all who attend!

We hope you will join us on Sunday, May 4, in Vancouver for the 5th Annual APS Program Day.

Alan L. Schwartz, M.D., Ph.D.  
APS President

Judy L. Aschner, M.D.  
APS Secretary/Treasurer
The Pediatric Policy Council (formerly known as the Public Policy Council) is a public policy alliance of the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research. Chaired by Richard Bucciarelli, MD, the PPC is made up of representatives from each member group and advocacy support is provided by the American Academy of Pediatrics.

Since 1984, the PPC has advocated for national policies to promote child health and academic pediatrics. Recognizing this legacy and reaffirming its commitment to pediatrics, the PPC changed its name from the Public Policy Council to the Pediatric Policy Council in 2012. The new motto for the council is “Advancing Child Health through Public Policy.

The PPC organizes public policy sessions at each Pediatric Academic Societies meeting. Please contact James Baumberger (jbaumberger@aap.org) if you have any questions about the PPC or advocacy.

**Pediatric Policy Council Plenary Session**

**Saturday, May 3**

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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chairs/Details</th>
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<tbody>
<tr>
<td>10:30</td>
<td><strong>Introduction</strong></td>
<td>Richard Bucciarelli, University of Florida, Gainesville, FL; Chair, Pediatric Policy Council</td>
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<tr>
<td>10:35</td>
<td>The Affordable Care Act in Theory: How Does the Health Care Law Intend to Improve Child Health?</td>
<td>David Clark, Albany Medical Center, Albany, NY</td>
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<td>11:10</td>
<td>A View from the States: How Effective is Health Reform Implementation at the State Level?</td>
<td>Anne Edwards, Chair, Committee on State Government Affairs, American Academy of Pediatrics, Minneapolis, MN</td>
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<td>11:45</td>
<td>The Future of Health Reform for Children</td>
<td>Richard Bucciarelli, University of Florida, Gainesville, FL; Chair, Pediatric Policy Council</td>
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<td>12:15</td>
<td>Discussion</td>
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**Pediatric Policy Council 2014 Legislative Breakfast**

**Monday, May 5**

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chairs/Details</th>
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<tr>
<td>7:00</td>
<td><strong>Introduction</strong></td>
<td>Scott Denne, Professor of Pediatrics, Indiana University, Indianapolis, IN</td>
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<td>7:05</td>
<td>Pediatric Innovation: Partners in Progress</td>
<td>Charles Thompson, Pfizer Inc., New York, NY</td>
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<td>Ron Portman, Bristol-Myers Squibb, New York, NY</td>
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<td>7:25</td>
<td>Foundation Funding – A Viable Option</td>
<td>Shale Wong, Robert Wood Johnson Foundation, Denver, CO</td>
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<td>7:35</td>
<td>Discussion</td>
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Friday, May 2

8:00am-4:00pm

0100  APA New Century Scholars Conference
Sheraton Vancouver Wall Centre - Grand Ballroom D

8:00am-4:30pm

0150  APA Quality Improvement Conference
Hyatt Regency Vancouver - Regency A, B, C

8:00am-5:00pm

0200  APA Educational Scholars Program, 2014
Sheraton Vancouver Wall Centre - Pavilion Ballroom D

8:00am-5:00pm

0225  APA Research Scholars Program
Sheraton Vancouver Wall Centre - Junior Ballrooms

8:00am-5:15pm

0250A  APPD Forum for Fellowship Directors
Fairmont Waterfront Vancouver - Mackenzie Ballroom

1:00pm-6:30pm

Core Curriculum Fellows’ Series

PAS/APPD Symposium - Preregistration Required

Three 60-120 minutes sessions will be presented in each of three tracks. Preregistration was required to attend. A reception will follow with special presentations from PAS leaders. This series is designed to meet elements of the core curriculum for pediatric fellowship subspecialty training. A certificate will be emailed to everyone in attendance.

0500  Core Curriculum Fellows’ Series-Track I
Vancouver Convention Centre - West 121-122

1:00  Writing Your First Paper - How To Make Sure It Gets Accepted
Writing your first paper is a challenge. In this session we will discuss how to get started - from properly formatting a draft to selecting the right journal. We will review all aspects of a paper, including the abstract, introduction, methods, results, discussion, tables, figures, and references. Authorship issues and how to help reviewers appreciate the importance of your paper will be discussed. Peer-reviewed papers are an important ingredient in academic success. At the end of this session the goal is to ensure that you will be more comfortable submitting your first paper.

Frederick P. Rivara, MD, MPH, Seattle Children’s Guild Endowed Chair in Pediatrics, University of Washington, Seattle, WA

2:30  Break

2:45  Recognizing Common Biostatistical Errors
This will be an abbreviated and/or accelerated version of the workshop of the same name. The errors covered will depend partly on the interests of the group. They may include standard error vs. standard deviation, nonindependence, use of paired measurements, meaning of P-values, confidence intervals Thomas B. Newman, University of California, San Francisco, San Francisco, CA

4:45  Break

5:00  Effective, Efficient, and Innovative Teaching as a Fellow
With increasing pressures to learn the knowledge, skills, and other competencies required for fellowship training, teaching of medical students and residents has the tendency to become less of a priority at this level of training. Yet fellows are frequently called upon to teach trainees in the inpatient and outpatient settings. Effective, efficient, and innovative teaching strategies are needed, and this workshop will provide attendees with such strategies. A variety of teaching techniques including the use of “trigger” videotapes, live demonstrations and discussion will be used to highlight key take-home concepts that are designed to improve the teaching skills of participants.

Lewis R. First, Editor-in-Chief, Pediatrics, University of Vermont College of Medicine, Burlington, VT

www.pas-meeting.org
to survey design and administration. Participants will leave the session with a basic understanding of optimal survey design, a worksheet that provides a step-by-step guide to developing surveys, and a clear strategy that can be used to write valid survey questions and identify appropriate response scales for nearly any project.

Daniel C. West, University of California San Francisco, San Francisco, CA
Timothy Kelly, University of California, San Francisco, San Francisco, CA

0530  Core Curriculum Fellows’ Series-Track 3
Vancouver Convention Centre - West 118

1:00  Humanistic Leadership
Fellows are likely to assume leadership positions in the future and need to know the variety of possible leadership styles and when to match a given style to a leadership role. This lecture explores a variety of leadership methods. The technique of humanistic leadership will be stressed. At the end of this session, participants should be able to name and understand 3 or 4 leadership styles and know the place of each in a leader’s toolbox. They will be able to identify the advantages of humanistic leadership. They will also be able to identify “anti-leaders” and the role they play in organizational dynamics.

Stephen Ludwig, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

2:00  Break

2:15  Communication and Conflict 101: Prevention and Treatment!
Conflict is a source of challenge in the medical workplace—requiring professionalism and good listening skills. Highly skilled trainees require active engagement and the use of tools to help understand high-risk situations, to prevent escalation and find solutions for adequate resolution of the problem when it occurs. Our current educational process has limited training in this area, leaving trainees in uncomfortable positions when exposed to these situations. This presentation is intended to give the participants the skills to learn techniques in conflict prevention and resolution. Using case based learning with role playing and active participation, attendees will be introduced to communication techniques such as “PEACE” and LEAPS” as well as other tools used in the management of situations which are polarities.

Goals & Objectives:
By the end of this session, participants should be able to:
a) Understand different types of conflict commonly encountered in your professional life.
b) Formulate specific techniques to prevent, reduce and resolve conflict.
c) Create case based scenarios that can be used for education of others.

Javier A. Gonzalez del Rey, M.D., M.Ed., Director, Pediatric Residency Training Programs, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

4:15  Break

4:30  Getting Yourself Promoted
Are you ready for promotion? As soon as you finish fellowship and take your first academic position, you should begin to think about getting promoted. Whether you are a researcher or a clinician-educator, the promotion process can be challenging to navigate. You need to understand promotion criteria so you can be successful in an academic career. This session will help you to craft your CV so it tells your story effectively. Leaders will discuss the need to develop and keep up an educator’s portfolio so you can get credit for all of your accomplishments. The importance of a good mentor and of “good citizenship” will be highlighted. Leaders will review and critique sample CVs and educator portfolios to demonstrate important points.

Emily C. Walvoord, MD, Assistant Dean for Faculty Affairs and Professional Development, Pediatric Endocrinology and Diabetology, Indiana University School of Medicine, Indianapolis, IN
7:00 Extreme Neonatal Hyperbilirubinemia Due to G6PD Deficiency
Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA

7:10 Screening and Prevention of Severe Neonatal Hyperbilirubinemia Due to G6PD Deficiency
Michael Kaplan, Shaare Zedek Medical Center, Jerusalem, Israel

7:20 Screening and Prevention of Severe Neonatal Hyperbilirubinemia: A Model Program in USA
Mary L. Nock, Rainbow Babies and Children’s Hospital, University Hospitals Case Medical Center, Cleveland, OH

7:50 DISCUSSION: Invited Global Experiences with Neonatal G6PD Screening
Jon F. Watchko, Magee-Women’s Hospital, Univ of Pittsburgh Sc of M, Pittsburgh, PA

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

Supported by an unrestricted educational grant from Philips

Contact for information:
Vinod K. Bhutani
Stanford University School of Medicine
Phone: 650-723-5711
Email: bhutani@stanford.edu

8:00am-10:00am

1100 ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform
PAS State of the Art Plenary
Vancouver Convention Centre - East 12

Target Audience: This will be of interest to leaders of academic and clinical systems (both specialist and generalist) within the United States, as well as health services researchers and those interested in the how change in health policy is impacting the care of children.

Objectives:
- Describe how the various models of payment reform drive the delivery system to meet the three-part aim
- Identify at least three different approaches to that assure that changing systems meet the needs of children and families
- Outline how child advocates should address at least three challenges to children and families that may result from payment reform

Chair: Denise Cora-Bramble, Children’s National Medical Center, Washington, DC

Efforts to align the US health care system with the three-part aim (better health, better healthcare, lower cost) hinge on the implementation of new modes of payment in both the public and private sectors. Within the United States, these efforts have often focused on the challenges of adult medicine, requiring child health advocates to take innovative approaches to assure that new systems of care address the unique needs of pediatric populations. In this session, we will review the various approaches to payment reform currently underway within the United States, highlighting specific examples of innovation that focus on community health, behavioral health integration and children with special health care needs.

8:00 Payment Reform and Children in the United States: Where Are We and Where Are We Going?
Denise Cora-Bramble, Children’s National Medical Center, Washington, DC

8:10 Designing Payment Reform in Maryland: What about the Children?
Joshua Moses Sharfstein, Department of Health and Mental Hygiene, Baltimore, MD

8:30 Creating Models of Accountable Care for Children with Special Health Care Needs
James E. Shmerling, Children’s Hospital Association, Aurora, CO

8:50 Oregon’s Coordinated Care Organizations: What’s in It for Children?
Carla Dawn McKelvey, NBMC Pediatrics, Coos Bay, OR

9:10 Where Do Children Fit into Blueprint for Health?
Craig Jones, Department of Vermont Health Access, Williston, VT

9:30 Discussion

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies
Bench-to-Bassinet: The Genetics of Congenital Heart Disease

Target Audience: Clinicians involved in the care of patients with congenital heart disease, including Cardiologists, Neonatologists, Critical Care Physicians, Cardiac surgeons, and Geneticists. Scientists studying the biology and genetics underlying congenital malformations.

Objectives:
- The genetic contributions to congenital heart disease
- The development of new genomic methods to understand the cause(s) of CHD
- Linking the results of genetic studies to the understanding of the biology underlying CHD

Chairs: Martina Brueckner, Yale University School of Medicine, New Haven, CT and Vidu Garg, Nationwide Children’s Hospital/Ohio State, Columbus, OH

Congenital heart defects (CHD) are a leading cause of infant mortality. Evidence from humans and vertebrate models support a genetic component for CHD, yet extreme locus heterogeneity and lack of genotype-phenotype correlation has limited gene discovery. Recent advances in genomic technologies are permitting evaluation of genetic abnormalities in large cohorts of CHD patients. This has lead to identification of copy-number variation and de-novo mutations together causing up to 15% of CHD. Further, new strategies coupling human genetics with model organisms have provided mechanistic insights into the molecular and developmental pathways underlying CHD pathogenesis. This symposium will highlight the work of the NHLBI’s Bench-to-Bassinet (B2B) program. B2B aims to accelerate scientific discovery to clinical practice by fostering collaborations of basic, translational and clinical researchers through a flexible program designed to improve outcomes for individuals with congenital heart disease while supporting the needs of the pediatric heart disease research community.

8:00 Bench-to-Bassinet: Overview
Jonathan Kaltman, National Heart Lung and Blood Institute, Bethesda, MD

8:15 The Clinical Framework of the Pediatric Cardiac Genomics Consortium
Elizabeth Goldmuntz, Children’s Hospital of Philadelphia: PedsCardio, Philadelphia, PA

8:35 Congenital Heart Disease Genetics: Where We Are and Where We Would like to Go
Martina Brueckner, Yale University School of Medicine, New Haven, CT

8:55 Congenital Heart Disease from Human Genetics to Zebrafish
H. Joseph Yost, University of Utah, Salt Lake City, UT

9:15 Stem Cells to Model Heart Development
Jonathan Seidman, Harvard University School of Medicine, Boston, MA

9:35 Discussion

Multi-Systems Approach to Identifying Biomarkers of Neonatal Pulmonary Disease in Preterm Infants, from Bench to Bedside

Target Audience: Neonatologists, Pediatric Pulmonologists, Immunologists and Basic and Translational Scientists with an interest in indicators of pulmonary morbidity in preterm infants.

Objectives:
- Introduce a new research cohort of preterm infants phenotyped by demographic, clinical, pulmonary function and biospecimen analyses
- Present a multi-systems approach to identifying biomarkers of lung disease in premature infants
- Provide up-to-date data on novel biomarkers of lung disease in premature infants

Chairs: Philip L. Ballard, University of California, San Francisco, CA and Clement Ren, University of Rochester, Rochester, NY

This session will provide an update on the progress of the NHLBI U01 Collaborative, “Prematurity and Respiratory Outcomes Program” (PROP) at the completion of patient enrollment, including the demographics, clinical characteristics, hospital course and NICU outcomes of the multicenter cohort. Individual centers will provide an overview of their mechanistic biomarker hypotheses and an assessment of potential novel biomarkers of neonatal pulmonary disease in preterm infants.

8:00 The Prematurity and Respiratory Outcomes Program Design
Clement Ren, University of Rochester, Rochester, NY

8:15 Urea Cycle-Nitric Oxide Pathway Biomarkers of Pulmonary Disease in Preterm Infants
Judy L. Aschner, Albert Einstein College of Medicine, Bronx, NY

8:35 Gastrin Releasing Peptide in Preterm Infant Pulmonary Disease
Mary E. Sunday, Duke University Medical Center, Durham, NC

8:55 Microbiome Contribution to Pulmonary Disease in Preterm Infants
Aaron Hamvas, Lurie Children’s Hospital/Northwestern University, Chicago, IL

9:15 Proinflammatory and Suppressive Lymphocyte Balance in Preterm Infants
Mariani, University of Rochester Medical Center (URMC), Rochester, NY

9:35 Genetic Contributions to Lung Disease in Preterm Infants
T. Mariani, University of Rochester Medical Center (URMC), Rochester, NY

9:55 Discussion
genes from 2 studies. Dr. Stein will present data on adverse events from the Methylphenidate-Atomoxetine Crossover Study of 200, 6-16 year olds, using a new structured instrument. Dr. Weiss will summarize the relationships between ADHD, pharmacotherapy, and sleep and discuss implementing sleep hygiene. Then there will be a discussion among the participants and audience on implications for clinical care.

8:00 Continuing Controversies in ADHD Treatment and Introduction of Panel
Mark A. Stein, Seattle Childrens Hospital, Seattle, WA

8:05 Mechanisms of Differential Response to ADHD Treatments: Neuroimaging and Comparator Trial Results
Jeffrey H. Newcorn, Icahn School of Medicine at Mount Sinai, New York, NY

8:30 Dopamine Genetic Variants, Methylphenidate Response, and Adverse Events
Tanya Elizabeth Froehlich, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

8:50 Measuring and Predicting Side Effects of Methylphenidate and Atomoxetine
Mark A. Stein, Seattle Childrens Hospital, Seattle, WA

9:10 How Not to Lose Sleep over ADHD: Recent Findings and Clinical Recommendations
Margaret Danielle Weiss, University of British Columbia, West Vancouver, BC, Canada

9:30 Discussion
Jointly sponsored by the Society for Adolescent Health and Medicine, Society for Developmental & Behavioral Pediatrics and the Pediatric Academic Societies

8:00am-10:00am

1130 Pediatric Kidney Stones
PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Pediatricians, Pediatric Nephrologists, General Pediatrics, Pediatric Emergency, Medicine specialists and dietitians interested in the growing issues of Pediatric kidney stones

Objectives:
- Discuss the increasing frequency that kidney stones are encountered and resulting implications for the field of Pediatric Nephrology
- Outline the management of pediatric calcium oxalate, calcium phosphate, cystine, struvite and uric acid kidney stones along with primary hyperoxaluria
- Highlight the genetic etiology and management of rare kidney stones diseases

Chairs: Craig B. Langman, Lurie Children’s Hospital of Chicago, Chicago, IL, and David J. Sas, Medical University of South Carolina Children’s Hospital, Charleston, SC

Recent evidence indicates that kidney stones are increasing in frequency in children. This symposium will consider molecular basis and clinical implications of the multiorgan and comorbid presentation of kidney stones. The current state of urological management of kidney stone disease will be discussed. The symposium will end with consideration of the genetic basis and comprehensive management of rare and complex kidney stone disease including cystine stones and primary oxaluria.

8:00 Changing Epidemiology of Kidney Stones
David J. Sas, Medical University of South Carolina Children’s Hospital, Charleston, SC

8:25 Molecular Basis and Clinical Implications of Kidney Stones as a Multi-Organ Condition
Tarak Srivastava, Children’s Mercy Hospital, Kansas City, Kansas City, MO

8:50 Genetic Etiology and Management of Rare and Complex Kidney Stone Disease
Dawn Milliner, Mayo Clinic, Rochester, MN

9:15 Urological Management of Kidney Stones
Kourosh Afshar, BC Children’s Hospital, Vancouver, BC, Canada

9:40 Discussion
Supported by an unrestricted educational grant from the Oxalosis & Hyperoxaluria Foundation

8:00am-10:00am

1135 Pharmacotherapy for ADHD: New Findings and Old Controversies
PAS Topic Symposium
Vancouver Convention Centre - East 10

Target Audience: Primary care pediatricians and subspecialists who treat neurobehavioral disorders as well as researchers interested in pharmacogenomics and neuroimaging.

Objectives:
- Increase familiarity with new ADHD studies, including comparative and differential efficacy studies
- Develop skills in assessing adverse events (AE’s) during treatment and interventions/strategies to improve sleep problems and other AE’s
- To increase awareness of genetic predictors of response and tolerability and neurobiological mechanisms related to ADHD pharmacotherapy

Chair: Mark A. Stein, Seattle Childrens Hospital, Seattle, WA

There are numerous medications available to treat ADHD. However, adverse events and tolerability often limit dosing and effectiveness. Findings from recent comparator studies that further our understanding of the relationship between different ADHD medications, symptomatic response, and tolerability will be presented. Dr. Newcorn will discuss differential response, and present similarities and differences in fmi between responders and non-responders, discussing mechanisms of response. Dr. Froehlich and Dr. Stein will present on predictors of response and adverse events, including dopaminergic candidate
Target Audience: Scientists and clinicians involved with policy, as well as those who would like to learn more about differences in care and outcomes in US and peer nations.

Objectives:
- Attendees will be able to describe areas in which US children and youth are at higher risk for poor outcomes.
- Attendees will be able to describe system and policy differences between the US and other countries that contribute to differences.
- Session attendees will be able to describe broad and innovative policies and initiatives for improving health outcomes for children.


The purpose of this session is to bring together leading pediatricians in the US and other countries to reflect on the sobering findings from the recent report from the Institute of Medicine, “U.S. Health in International Perspective: Shorter Lives, Poorer Health” to speculate on reasons for poorer outcomes in the US compared with our peer nations and to identify lessons learned and directions for the future. This session will highlight outcomes from this report that pertain especially to children, which include: adverse birth outcomes; injuries and homicides; adolescent pregnancy and sexually transmitted infections; and obesity and diabetes. US children and youth have higher rates and prevalence for all of these outcomes compared to children and youth in 17 other peer countries.

8:00 Key Findings from the IOM Report, “U.S. Health in International Perspective: Shorter Lives, Poorer Health”
Gerry Fairbrother, AcademyHealth, Washington, DC

8:20 The Canadian Experience and Lessons/Cautions for the US
Astrid Guttmann, Hospital For Sick Children, Toronto, ON, Canada

8:40 Integrating Social Services into Primary Care: Lessons from Spain
Javier Escobar, Robert Wood Johnson Medical Center, Hamilton, NJ

9:00 Lessons for the Health of Women and Young Children
Linda Diane Arnold, Yale University School of Medicine, New Haven, CT

9:15 The Need for Transformation of the U.S. Child Health Research Agenda in View of the IOM
Allison Kempe, The Children’s Hospital, Aurora, CO

9:30 Reflections on What the IOM Report: Call to Action for Pediatricians
Jonathan D. Klein, American Academy of Pediatrics, Elk Grove Village, IL

9:50 Discussion

8:00am - 10:00am
1145 Why Are Health Outcomes for Children and Youth Lower in the US Than in Our Peer Nations?
PAS Topic Symposium
Vancouver Convention Centre - East Ballroom C

S A T U R D A Y • M A Y 3

8:00 Weekly Programming

8:30 Quantitative 3D MRI Assessment of Placental Volume in Healthy and Complex Pregnancies

Publication 1150.3

8:45* Infections, Interventions, and Mortality of Pediatric Bone Marrow Transplant Patients in the Intensive Care Unit
Matt Zinter, Christopher C. Dvorak, Anil Sapru.

Publication 1150.4

9:00* Viremia Predicts Immune Function in Critically Ill Children
Sam Z. Davila, Gregory Storch, Richard Hotchkiss, Mark Hall, E.S. Halstead, Richard Holubkov, Allan Doctor, Joseph Carecillo.

Publication 1150.5

9:15* Anti-CD3 Therapy Rescues Regulatory CD8 T Cell Deficiency in Type 1 Diabetes

Publication 1150.6

9:30* Impact of Vitamin D & Breastfeeding on Deciduous Tooth Development
Ann Kelly, Judy Shary, Myla Ebeling, Kristen Morella, Susan Reed, Carol Wagner.

Publication 1150.7

9:45* Next Generation Sequencing of a Bronchopulmonary Dysplasia (BPD) Candidate Gene Targeted Exome in a Cohort of Premature Infants With BPD

Publication 1150.8

8:00am - 10:00am
1155 General Pediatrics: Obesity I

Platform
Vancouver Convention Centre - Room East 13

Chairs: Daniel Levy and Larry Yin

8:00* Proximity To Supermarkets Modifies Intervention Effects on Diet and Body Mass Index Changes in an Obesity Randomized Trial

Publication 1155.1

8:15 Early Childhood Predictors of Severe Obesity at Age Four in Minnesota WIC Children: A Longitudinal Cohort Study
Christine Papai, Joni Geppert, Diana B. Cutts, Maggie Donohue, Jamie Stang, Charles N. Oberg.

Publication 1155.2

8:30 Genetic Loci Associated With Adiposity and Insulin Resistance in Hispanic Boys With Nonalcoholic Fatty Liver Disease

Publication 1155.3

8:45* Built Environmental Context and Latino Preschooler Use for Physical Activity
Shari Barkin, William Heerman, Eli Po’er, Macej Buchoswski.

Publication 1155.4

9:00 Decreased Cardiometabolic Risk after 4 Years in Overweight Adolescents in the MATCH Intervention Compared To Control
Suzanne Lazarick, George T. Hardison, Xiangming Fang, Yancey Crawford.

Publication 1155.5


Publication 1155.6

9:30 Parenting Style and Family Functioning Predict Child BMI Percentile Change during Weight Loss Treatment
Kyung E. Rhee, Susan Dickstein, Elissa Jelalian, Kerri N. Boutelle, Rena R. Wing.

Publication 1155.7

80
9:45  Change in Adiposity and Related Risk Factors During a Clinical Multi-Disciplinary Pediatric Weight Management Program.  
William Stratbucker, Jared Tucker.  
Publication 1155.8

8:00am - 10:00am

1160  Historical Perspectives
Posters Symposium Session  
Vancouver Convention Centre - Room West 201

Viewing: 8:00am - 8:30am  
Discussion: 8:30am - 10:00am

Chairs: Leonard Krilov

Discussant:

1  Silent Triumph Through Solid Evidence: Eradication of Pink Disease in Early 20th Century. Ramesh Vidavalur.  
Publication 1160.1

2  Dog’s Teeth: May Mellonby, Vitamin D and Dental Health in Children. Colin Michie, Tianne Foster.  
Publication 1160.2

Publication 1160.3

4  A Reverend and His Theorem: How a Non-Conformist Clergyman’s “Rule” Survived Two-Centuries of Controversy. Tonsse N.K. Raju.  
Publication 1160.4

Publication 1160.5

Publication 1160.6

7  John Dill Robertson and the Emergence of the Black Stork. Paul C. Mann.  
Publication 1160.7

8  Vaccine Tragedies, Adverse Events, and Immunization Safety Monitoring. Douglas S. Swanson, Barbara A. Pahud.  
Publication 1160.8

9  Nonagenarians’ Oral Narratives of Early 20th Century Pediatric Care and Vaccine Preventable Illness. Mary E. Groll, Amy Whalen, Ron Sims.  
Publication 1160.9

Publication 1160.10

11*  Pediatric Disease in Artwork. Thomas F. Heyne. Publication 1160.11

12*  Cerebral Palsy: from Dr Little To the International Classification of Functioning. Veronica Schiariti, Gustavo Pelligra.  
Publication 1160.12

Publication 1160.13

8:00am - 10:00am

1165  Infectious Diseases I
Platform ~ Vancouver Convention Centre - Room West 121-122

Chairs: Roberta DeBiasi, Children’s National Medical Center, The George Washington University School of Medicine, Washington, DC and Adam Ratner, Columbia University, New York, NY

8:00  Reactivation of Latent Varicella Zoster Virus in a Guinea Pig Model. Anne A. Gershon, Jason J. Chen, Michael D. Gershon.  
Publication 1165.1

8:15  Essential Role of Glycolysis in Human Plasmacytoid Dendritic Cell (PDC) Antiviral Responses. Gagan Bajwa, Ralph J. Deberardinis, Baomei Shao, David J. Farrar, Michelle A. Gill.  
Publication 1165.2

8:30  Risk Factors and Incidence of Primary Infection in Infants Differ Between Human Herpesviruses. Soren Gantt, Elizabeth Krantz, Stacy Selke, Meei-Li Huang, Annet Nakaganda, Zaum Nahule, Jackson Orem, Anna Wald, Larry Corey, Corey Casper.  
Publication 1165.3

8:45  Quantification of HSV in CSF and Disease Severity in Patients With HSVG Encephalitis (HSVE). K. Ramirez, A. Choudhri, A. Patel, M. Kocak, J. DeVincenzo.  
Publication 1165.4

Publication 1165.5

Publication 1165.6

9:30  The HMW1/HMW2 Adhesins of Nontypeable Haemophilus influenzae (NTHi) Are Highly Immunogenic During NTHi Acute Otitis Media and Anti-HMW1/HMW2 Antibodies Are Major Mediators of Opsonophagocytic Killing in Convalescent Sera. Linda E. Winter, Stephen J. Barenkamp.  
Publication 1165.7

Publication 1165.8

8:00am - 10:00am

1170  Medical Education: Assessments & Milestones
Platform  
Vancouver Convention Centre – Room East 8

Chairs: Hilary Haftel and John Mahan

8:00  Validation of Global Rating Scale and Checklist Instruments for the Infant Lumbar Puncture Procedure Among Resident Raters. Colleen Braun, Marc Auerbach, David O. Kessler, Renuka Mehta, Anthony J. Scalzo, James M. Gerard.  
Publication 1170.1

Publication 1170.2

8:30  Pediatric Milestone Evaluations: Assessment Across the Continuum. Jerry L. Rushton, Michael P. McKenna.  
Publication 1170.3

Publication 1170.4

9:00  In Pursuit of Meaningful Use of Learning Goals in Pediatric Residency: What can a Program Do? Tai M. Lockspeiser, Su-Ting T. Li, Adam A. Rosenberg, Ann E. Burke, Janice L. Hanson.  
Publication 1170.5

Publication 1170.6

9:30  A Coaching Program for Pediatric Residents: Program Description and Early Outcomes. Caroline E. Rassbach, Rebecca Blankenburg.  
Publication 1170.7

Publication 1170.8

*First Author is Trainee (fellow, house officer or student)
8:00am–10:00am

1175 Neonatal Neurodevelopmental Outcomes
Platform
Vancouver Convention Centre - Room West Ballroom B

Chairs: Raye-Ann DeRegnier and Susan Hintz

8:00* Attention Profile of School Aged Children Born Very Preterm and Implications for Academic Achievement. Rachel E. Lean, Kirsten H. Ritchie, Samadragupta Bora, Lianne J. Woodward. Publication 1175.1

8:15 School Age Cognitive, Educational, Mental Health and Neuromotor Outcomes of a Regional Cohort of Children Born Very Preterm. Lianne J. Woodward, Samadragupta Bora, Terrie E. Inder, Nicola C. Austin. Publication 1175.2


8:45 The Ages and Stages Questionnaire as First Step in a Two Step Approach To Identify Neurodevelopmental Impairment in Preterm-Born Children at Age Two. Jorien M. Kerstjens, Chris V. Hulzebos, Ard B. Nijhuis,arend F. Bos, Peter H. Dijk. Publication 1175.4

9:00 Early Blood Pressure Patterns, Anti-Hypotensive Therapy & Neurodevelopment in Infants ≤26 Weeks Gestation. Beau Batton, Lei Li, Nancy Newman, Abhik Das, Kristi Watterberg, Bradley Yoder, Roger Faix, Matthew Laughon, Barbara Stoll, Rose Higgin, Michele Walsh. Publication 1175.5

9:15 Slowing of Spontaneous Magnetoencephalographic (MEG) alpha Oscillations Is Associated With Visual-Perceptual Abilities in Very Preterm Children. Sam M. Doesburg, Alexander Moiseev, Anthony T. Herdman, Urs Ribary, Anne Synnes, Ruth E. Grunau. Publication 1175.6

9:30* Identification of Late-Onset Hearing Loss in Very Low Birth Weight Infants. Lynnette M. Johnson, Maya Yamane, Eric Lau, Lynn M. Iwamoto. Publication 1175.7

9:45 Risk of Sensorineural Hearing Loss in Term and Late Preterm Infants With Severe Hyperbilirubinemia. Andrea C. Wickremasinghe, Robert J. Risley, Michael W. Kuzniewicz, Eileen M. Walsh, Soora Wi, Thomas B. Newman. Publication 1175.8

8:00am–10:00am

1180 Neonatal Resuscitation
Platform
Vancouver Convention Centre - Room West Ballroom A

Chairs: Marilyn Escobedo and Renate Savich

8:00* Reduction in Oxygen Use and Increased Chest Compressions in Neonatal Resuscitation - Is There a Link? Trends over a Nine Year Period in British Columbia. Tejal J. Risbud, Alfonso Solimano, Debora O’Flaherty, Niles Hao, Joseph Ting. Publication 1180.1


8:45 Short-Term Outcome of Very Low Birth Weight Infants (VLBWI) Requiring Cardiopulmonary Resuscitation in Delivery Room. Helmut Hummeler, Kirsten Lang, Marina Cuttini, Gunnar Sjoer, Mikko Hallman, Henry Halliday, Michael Weindling, Agueda Azpeita Garcia, Aolof Valls i Soler. Publication 1180.4


9:15* Quantitative End-Tidal CO₂ (ETCO₂) Predicts Return of Spontaneous Circulation (ROSC) During Infant CPR. Christina N. Stine, Josh Koch, L. Steven Brown, Hna Chalak, Vishal Kapadia, Myra H. Wyckoff. Publication 1180.6

9:30* Laryngeal Mask Airway (LMA) or Endotracheal Intubation (EI) for Positive Pressure Ventilation (PPV) With Chest Compressions in Newborn Piglets. Ayman Abou Mehrem, Ruth Graham, Ganesh Srinivasan, Ronald Heese, Shyamala Mushimamurti. Publication 1180.7

9:45 Hemodynamic and Respiratory Variables With Resuscitation Adhering To Oxygen Saturation Guidelines from Neonatal Resuscitation Program (NRP). Satyan Lakshminrusimha, Bobby Mathew, Jayasree Nair, Sylvia F. Gugino, Carmon Koenigshecht, Munmun Rawat, Praveen K. Chandrashekharan, Daniel D. Swartz. Publication 1180.8

8:00am–10:00am

1185 Preterm Brain Imaging
Platform
Vancouver Convention Centre - Room West 118

Chairs: Jeanie Cheong and Petra Huppi

8:00* Alterations in the Lateralization of Neural Networks in Preterm neonates at Term Equivalent Age. Soo Hyn Kwon, Dustin Scheinost, Cheryl Lacadie, Gordon Sze, Karen Schneider, R. Todd Constable, Laura Ment. Publication 1185.1


8:30* Magnetoencephalography Reveals Altered Functional Brain Network Connectivity in Children Born Very Preterm. Annette X. Ye, Michelle A. Aucoin-Power, Margot J. Taylor, Sam M. Doesburg. Publication 1185.3

8:45 Neonatal MRI Measures Predict Visual Function in School Age Children Born Preterm. Janet S. Soul, Anne Moskowitz, Ron Hansen, Jessica Landers, Anne Fulton. Publication 1185.4

9:00 Long-Term Alterations of Brain NAA, CHO & CR in Extremely Preterm Adolescents Are Associated With Cognition. J. Cheong, A. Bainbridge, P. Anderson, D. Thompson, P. Lally, A. Connolly, N. Robertson, L. Doyle. Publication 1185.5
9:15* The Effects of Preterm Birth and Periventricular Hemorrhage on Working Memory Function in Adult Life: An fMRI Study.  
Sean Froudist Walsh, Philip Brittain, Jasmin Kroll, Chiara Nosarti.  
Publication 1185.6

9:30* Cortical Surface Area at Age 20 Relates To Fetal Growth Restriction.  
Publication 1185.7

9:45* Diminished Non-Cystic White Matter Injury in Premature Newborns.  
Publication 1185.8

8:00am-10:00am

**1190 Strategies for Prevention in Newborn Populations**  
Chair: C. Aligne and Esther Chung  
SPR Richard D. Rowe Award for Clinical Research  
Jessica Mouledoux

8:00* Evaluation of a Novel Staged Protocol for Critical Congenital Heart Disease (CCD) Screening.  
Jessica H. Mouledoux, Sara A. Guerra, Jean A. Ballweg, William F. Walsh.  
Publication 1190.1

8:15* Maternal Infections During Pregnancy and Cerebral Palsy in the Child.  
Joshua J. Bear, Mary Crisham Janik, Yvonne Wu.  
Publication 1190.2

8:30* Risk of Congenital Heart Defects in the Offspring of Mothers Who Smoke Cigarettes During Pregnancy: A Population-Based Case-Control Study of Washington State Birth Certificates and Hospital Discharge Data from 1989-2011.  
Publication 1190.3

8:45* Late-Preterm Infants Are High-Risk for Respiratory Syncytial Virus Hospitalization.  
Alison M. Helfrich, Cade M. Nylund, Matthew D. Eberly, Madeline B. Eide, David R. Stagliano.  
Publication 1190.4

9:00 Developmental and Cognitive Outcomes of Children With Asymptomatic Congenital Cytomegalovirus (AcCMV) Infection:  
Houston Longitudinal Cohort Study.  
Adriana Lopez, Tatiana Lanzieri, Angelika Claussen, Glen Abedi, Sherry Vinson, Marie Turcich, Isabella Ivino, Robert Voigt, A. Chantal Caviness, W. Danny Williamson, Stephanie Bialek, Gail Demmler Harrison.  
Publication 1190.5

Publication 1190.6

9:30 Screening for Biliary Atresia With the Infant Stool Color Card in Tochigi Prefecture, Japan.  
Yan-Hong Gu, Akira Matsui.  
Publication 1190.7

9:45 Higher Dose and Duration of Maternal Prescription Opioid Use Increases Risk of Neonatal Abstinence Syndrome.  
S.W. Patrick, J.A. Dudley, W.O. Cooper.  
Publication 1190.8

**1225A PES Plenary Session I, Business Meeting and Debate**  
PES Symposium  
Vancouver Convention Centre - West 301-305

Target Audience: Pediatric Endocrine Society members and other interested individuals.

Objectives:
- Understand the different approaches to the prepubertual gender non-conforming child
- Understand the management techniques of the different approaches

Chairs: Morey W. Raymond, Baylor College of Medicine, Houston, TX

8:00  Pediatric Endocrine Society Business Meeting  
Morey W. Raymond, Baylor College of Medicine, Houston

9:55  Lawson Wilkins Lecture Introduction  
Morey W. Raymond, Baylor College of Medicine, Houston, TX

9:25  Lawson Wilkins Lecture: Translating Basic Mechanisms to Therapy in the Skeletal Dysplasias  
Brendan Lee, MD, PhD, Professor, Baylor College of Medicine, Houston, TX

Jointly sponsored by the Pediatric Endocrine Society and the Pediatric Academic Societies

8:00am-11:30am

**1230A Global Child Health in Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 1**  
PES Plenary Session I, Business Meeting and Debate  
PGPR State of the Art Plenary  
Vancouver Convention Centre - East Ballroom A

Chair: Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada

8:00  TBD

8:05  TBD

Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada

8:15  Traditional Opening by a Local Indigenous Elder  
TBD

8:40  Keynote Address: Contributions of Native Americans/Indigenous Populations in Reducing Global Child Mortality  
Mairtham Santosham, Johns Hopkins University, School Hygiene & Public Health, Baltimore, MD

9:00  Implementation of Knowledge in the Care of Children in Indigenous Communities  
Malcolm King, Simon Fraser University, Vancouver, BC, Canada

9:20  Addressing Indigenous Health Issues Within Longitudinal Studies: A Pathway for Improving Global Child Health  
Cameron C. Grant, University of Auckland, Auckland, New Zealand

9:40  Disparities in Health Care and Research in Indigenous Populations in Canada  
Nadine Caron, University of British Columbia, Vancouver, BC, Canada

10:00  Aboriginal and Torres Strait Islander Health in Australia  
Mark Wenitong, James Cook University School of Tropical Public Health, Australia

10:20  Incidence of Child Abuse, Its Impact and Comprehensive Response in Bolivia  
Jose Miguel De Angulo, Centro Medico, Chilimarca, Bolivia

10:40  Introduction and Presentation of the 2014 Award for Outstanding Contributions to Global Child Health  
Zulfiqar A. Bhutta, Aga Khan University, Karachi, Pakistan

11:00  Award Address – TBA  
TBD

11:20  Discussion
8:30am-11:30am

1250 Are You Lean? Equip Yourself: Enhancing Quality and Improving Processes with Lean Methodologies!
PAS Workshop
Vancouver Convention Centre - East 14

Target Audience: Healthcare professionals in leadership positions who are engaged in process and quality improvement.

Objectives:
- Review the history of Lean and recognize its demonstrated successes in improving quality and efficiency in healthcare delivery systems
- Apply key Lean concepts (8 types of waste, value-added/non-value added activities, workflow analysis, mistake proofing) through facilitated healthcare-focused exercises
- Use a real, successful Lean project as a springboard for discussion and dissection. Learn how to create a basic Value Stream Map, using academic practice no-shows as an example

Leader: Katie McPeek, Co-Leaders: Michael Anne Kell, Mackenzie Frost, Jennifer Vodzak, Cheryl Gebeline-Meyers

This workshop is intended for academic healthcare professionals who want to inspire change! Our aim is to teach the learner about LEAN methodology, a strategy and philosophy for process improvement that has been utilized by large corporations for many decades. Healthcare institutions are increasingly adapting LEAN strategies. Are you ready for the challenge? Lean is the relentless pursuit of the perfect process through elimination of waste. In healthcare specifically, Lean is about shortening the time between the patient entering and leaving a care facility by: eliminating all non-value added time, motion, and steps. This is a hands-on workshop that we hope will inspire leaders in pediatric healthcare to return to their home institutions with a new energy to improve process. Lean process improvement methodology is useful to healthcare professionals in all arenas, both clinical and non-clinical.

8:30am-11:30am

1254 Defanging Comparative Effectiveness Research (CER) Methods: Taking the Fear out of Statistics
PAS Workshop
Vancouver Convention Centre - East 16

Target Audience: Fellows, junior faculty, mid-level and senior who have a basic understanding of regression methods and familiarity with a statistical programming package (e.g. SAS, STATA, or SPSS).

Objectives:
- To introduce the audience to two frequently used methods in comparative effectiveness research (CER): propensity scores and multi-level analysis.
- To demonstrate and actively apply these methods and interpret results generated by using a clinically relevant CER question.

Leader: Lilliam Ambroggio, Co-Leaders: Sarah Beal, Matt Hall

Comparative effectiveness research (CER) compares existing treatments, health care interventions and management. Performing CER with observational data presents certain challenges as it is typically collected for alternate purposes. Recently, more advanced statistical methods have been used to more accurately quantify the benefits of these interventions. This workshop will introduce propensity score and multi-level models. The overall goal of the workshop is to provide attendees with enough information and hands on experience that they will be able converse with their colleagues regarding the application and review of these methods.

8:30am-11:30am

1256 Designing Surveys to Effectively Measure Outcomes in Research Quality Improvement, and Educational Projects
PAS Workshop
Vancouver Convention Centre - West 214

Target Audience: Faculty/Fellows/Residents/Students interested in using surveys for their projects

Objectives:
- Describe the characteristics of effective surveys including optimal question writing and use of appropriate response formats.
- Recognize the potential pitfalls of survey design and collection
- Be able to apply a survey development worksheet and quality control check list to either participants own or mock survey questions

Leader: Daniel C. West, Co-Leaders: Dorene Balmer, Timothy Kelly

Surveys are a commonly used tool for research, education, or quality improvement. But optimal survey design can be challenging because there are numerous potential pitfalls that can yield data that do not answer the intended question. The goal of this workshop is to give participants the tools needed to create high quality surveys for a wide range of projects. The workshop will focus on key concepts of question writing, choice of response formats, and strategies for summarizing both quantitative and qualitative responses. In individual, small group, and large group activities, participants will practice applying key concepts by developing survey questions using a worksheet and quality control checklist. Although it is not required, participants with survey project ideas are encouraged work on those during the workshop. All participants will leave with a guide that can be used to write high quality survey questions and identify appropriate response formats for nearly any project.
8:30am-11:30am

1258 Getting the Most out of Quality Improvement: A Practical Introduction to Statistical Process Control and Using Run and Control Charts
PAS Workshop
Vancouver Convention Centre - West 215

Target Audience: Students/residents, fellows, and faculty interested in quality improvement, clinical leadership, or administration.

Objectives:
- Describe and demonstrate the theory and practical use of statistical process control methods in quality improvement
- Analyze and interpret run and control charts
- Design and create basic run and control charts

Leader: Munish Gupta, Co-Leaders: Heather Kaplan, Alan Picarillo, James Benneney

Statistical process control (SPC) has gained increasing use in health care as a system to support quality assurance (QA) and quality improvement (QI). SPC combines mathematically rigorous time-based data analysis with graphical data displays, and can have significant advantages over more traditional approaches for understanding and monitoring QA and QI efforts. In this workshop, we will provide a practical introduction to two of the primary tools of SPC, run charts and control charts. Part 1 of the workshop will be an interactive presentation reviewing SPC theory and the types and usage of run charts and control charts. Part 2 of the workshop will be hands-on exercises in which attendees will be guided through the process of building run charts and control charts using sample data and then using their own data. The workshop will close with an open discussion to review specific SPC issues encountered by attendees in their own work, and to review more advanced topics in control chart use.

Attendees are encouraged to bring a laptop computer with Excel; SPC software will be provided. Attendees are also encouraged to bring de-identified data from ongoing QA or QI projects. However, participants without a laptop or without data will participate fully in the exercises. If you are bringing a laptop, please try to arrive 15 minutes prior to the start of the workshop to have software and data transferred to your computer.

8:30am-11:30am

1260 Grant Writing for Young Investigators: Designing, Funding, and Implementing One-Year Research Projects and Having Fun Doing It!
PAS Workshop
Vancouver Convention Centre - East 17

Target Audience: Students, residents, fellows, junior faculty, fellowship directors and other faculty interested in learning about 1-year grant strategies.

Objectives:
- Identify 1 year projects that are likely to lead to larger research projects
- Review successful letters of intent and proposals for 1 year projects
- Evaluate strategies to avoid common pitfalls in 1 year projects

Leader: Cynthia Minkovitz, Co-Leaders: William Barbaresi, Sara Slovin, Todd Florin, Rashmi Shetgiri, Judith S. Shaw, Deepa Sekhar, Benard P. Dreyer, Glenn Flores, Sheryl Levy

For many investigators, an initial 1 year grant jump starts their academic careers. However, the daunting challenges of translating compelling scientific questions into feasible and fundable projects prevent some from obtaining funding and using an early grant as a springboard for future projects. In this workshop, APA and SDBP faculty are joined by past and current Young Investigators to examine what constitutes a successful and fundable 1 year project and the steps needed to secure an award. The session includes a brief introduction to the nuts and bolts of 1 year projects, available funding sources for Young Investigators, and grant review criteria. In breakout groups of 6-8, participants individually review and score letters of intent and full proposals with follow up discussion co- facilitated by recent Young Investigators and senior faculty. Group exercises will identify common pitfalls in the development and implementation of 1 year research grants and offer tips for success related to scope of effort, feasibility, and mentoring. Proposals will be chosen from those submitted to PAS and include a range of topics and study designs. The workshop will highlight how small projects can lead to larger scale research activities.

8:30am-11:30am

1262 Maximizing Engagement of Millennial Learners with Innovative Educational Technologies
PAS Workshop
Vancouver Convention Centre - East 18

Target Audience: Residents, Fellows, Faculty and Medical Educators.

Objectives:
- Discuss the learning preferences of the millennial generation and articulate how technology can maximize learners’ experiences
- Demonstrate potential uses of innovative technologic approaches and dissemination platforms to improve both didactic and bedside teaching
- Incorporate innovative teaching and technology into an educational project

Leader: Melissa Klein, Co-Leaders: Jennifer O’Toole, Karen Jerardi, Chris Pelletier, Brad Sobolewski

Innovative medical education, incorporating the principles of adult learning theory while maximizing technologic capabilities, is paramount to engage Millennial learners. During this interactive workshop facilitated by a panel of physicians and medical educators, attendees will review adult learning theory and apply its impact on the generation of learners in graduate medical training. Attendees will experience new modes of technology that are being utilized in medical education, including simulation, on-line presentation platforms, social media, and blogs, all technologies that the Millennial generation is adept at using. Participants will collaboratively create an innovative educational experience using one of these technologies. Participants will leave with a variety of educational resources to effectively incorporate handheld devices to enhance their bedside teaching, expertise on how to electronically disseminate their work, and a plan to innovate an educational endeavor to fit the learning needs at their home institution. Participants are strongly encouraged to bring smart phones, tablet devices or laptops to the workshop to maximize their learning experience.

8:30am-11:30am

1264 Oh the Humanities! Utilizing Medical Readers’ Theater to Train Faculty and Residents on the Professionalism Milestones
PAS Workshop
Vancouver Convention Centre - East 19

Target Audience: Residents, Fellows, Junior, Mid- and Senior Level Faculty.

Objectives:
- Identify and define the 6 Pediatric Professionalism Milestones
- Differentiate between the 6 Professionalism Milestones through the process of appraising Milestone levels for the physician protagonist in a narrated short story
- Plan a similar session locally utilizing the provided Facilitator’s Guide and additional examples from Medical Literature

Leader: Casey Hester, Co-Leaders: Jerry Vannatta, Jill Warren, Alox Darden

Beginning in June 2014, Milestones are required to be reported semi-annually to the ACGME for each pediatric resident. Residents and their evaluators will require professional development and training around the 21 Milestones, 6 of which are under the Competency of Professionalism. Medical Readers’ Theater: A Guide and Scripts (Savitt, 1969) is a well-known medical educator’s tool that allows audience members to perform without preparation a variety of medically-based short stories. In this workshop, volunteer participants will be assigned characters from a scripted short story to read aloud to the audience. Following the reading, small groups will collaboratively designate a level for the story, based on observed behaviors and attitudes from the reading. Small groups will then share their appraised levels with the group at large, providing examples from the story to support their decisions. An interactive discussion will address potential variations in levels between the small groups, including suggestions to reconcile dissenting opinions. Specific examples to help further categorize and differentiate between the 6 Professionalism Milestones and how they may be encountered in everyday practice will also be provided.
the remaining time, participants will receive a Facilitator’s Guide, including additional examples from medical literature that may be utilized in a similar format. Facilitators will then assist participants in planning a similar workshop at their institution, including target audience, existing resources and potential barriers.

8:30am-11:30am

1266 Striving for Success: Essential Skills for Women in Academic Medicine
PAS Workshop
Vancouver Convention Centre - West 202

Target Audience: Fellows, Junior faculty, and Senior faculty women.

Objectives:
- To learn time management tools
- To improve negotiating skills
- To increase scholarly productivity

Leader: Sabah Iqbal, Co-Leaders: Karen O’Connell, Anitha John, Neha Shah, Shilpa Patel

Women in academic medicine have unique opportunities and challenges as they progress in their careers, but many have never had formal training in skills essential to advancement, such as negotiations, time management, or optimizing scholarly activity. In this workshop, participants will begin by reflecting on their own needs to fully develop their leadership and academic potentials. Participants will then explore solutions through a combination of shared experiences and professional guidance using a combination of didactic and audience participation. The first part of our workshop will introduce negotiation skills, highlighting gender differences in negotiations and barriers specific to women. Our second mini-session will be a discussion of academic productivity. In our final session, we will explore time management and present several techniques to enhance productivity.

8:30am-11:30am

1268 The Affordable Care Act and Community Benefit Compliance: An Emerging Scholarly Opportunity
PAS Workshop
Vancouver Convention Centre - West 203

Target Audience: Junior and mid-level faculty, particularly those involved in translational science and/or interested in health policy, fellows, and physician administrators.

Objectives:
- Identify the provisions of the Patient Protection and Affordable Care Act that address community benefit
- Describe strategies for conduction of a community health needs assessment and development of a community health improvement plan
- Frame a plan for incorporation of community benefit compliance into an academic scholarship agenda

Leader: Joseph Wright, Co-Leaders: Ruth Pollard, Chaya Merrill

The Patient Protection and Affordable Care Act (PPACA) has placed heightened emphasis on the responsibility of tax-exempt, non-governmental hospitals to provide community benefit to the localities that they serve. Here-to-date, primarily a hospital corporate compliance function, the advent of greater specificity and more uniformity around the definition and conference of community benefit is providing new scholarly opportunities for pediatric and public health faculty. Academic medical centers will also be compelled to proactively begin to address the local population health challenges that they face as a direct result of community benefit compliance. This workshop will focus on the specific community benefit provisions in the PPACA and explore collaborative strategies for aligning compliance with a community-engaged scholarship agenda.

8:30am-11:30am

1270 The Unwritten Rules of Mentorship
PAS Workshop
Vancouver Convention Centre - West 221

Target Audience: Fellows, junior, mid-career and senior faculty interested in developing skills to mentor or be mentored effectively.

Objectives:
- To ascertain potential strengths and weaknesses of formal, informal, peer, and dyadic mentorship relationships
- To determine potential roles of mentors in career and personal development
- To establish best practices regarding effective mentorship relationships, from the perspectives of a mentor and a mentee

Leader: JoAnna Leyenaar, Co-Leaders: Elisabeth Schainker, Jana Leary

Do I need a mentor? Do I need more than one? What does my mentor expect of me? What can I expect of my mentor? How can I mentor most effectively? Effective mentorship has been linked to successful career development and career satisfaction and is widely discussed in academic medicine. However, pediatricians in both academic and non-academic work settings may lack effective mentorship. While there are not mentorship rules, per se, this workshop will discuss mentorship best practices derived from review of the literature and our ongoing research in this area. This workshop is designed for pediatricians and trainees at all stages of their careers who are interested in establishing or improving mentorship relationships.

8:30am-11:30am

1272 Transforming the Morbidity and Mortality Conference into a Powerful Tool for Improving Safety and Quality
PAS Workshop
Vancouver Convention Centre - West 222

Target Audience: residents, fellows, faculty, nurse managers and educators, quality and safety officers interested in innovative unit-based techniques to improve quality of care and patient safety.

Objectives:
- Describe the elements of a systems-oriented Morbidity and Mortality Conference (MMC) that provides an efficient structure for identifying, analyzing and responding to adverse events
- Practice several simple methods for standardized case review to efficiently identify adverse events and their contributing factors
- Discuss and reflect on the qualities of the safety culture that need to be fostered for a productive MMC

Leader: Christina Cifra, Co-Leaders: James Fackler, Michael-Alice Moga, Jayant Deshpande, Ranna Rozenfeld, Charlotte Woods-Hill

The Morbidity and Mortality Conference (MMC) is a powerful yet under-leveraged tool for advancing patient safety. In this interactive workshop, we will describe the elements of a systems-oriented MMC that have been shown to provide an effective structure for identifying, analyzing and responding to adverse events. Participants will be encouraged to compare these with the goals and structure of their current MMs to identify possible areas of improvement. We will introduce several methods of standardized case review that participants can incorporate into their own MMC to enhance their ability to identify adverse events and contributing factors. Case studies and examples will be provided for analysis using these methods, which participants can discuss in small breakout groups. Participants will also be encouraged to identify the relevant multi-disciplinary stakeholders in their home institutions who will become their allies in this project. Finally, a panel session using role-play will be devoted to reflection and discussion of the qualities of the safety culture that need to be fostered to transform the MMC into a powerful tool to advance safety.
The Academic Fellows SIG was established to address the needs of fellows and young faculty from all academic specialties, and foster opportunities for networking, research collaboration, career development, mentorship, and advocacy. Our PAS session is high yield for APA members seeking to strengthen their academic skills. Learn practical tips from experienced faculty about building a successful academic career. Also, let your voice be heard. Share ideas to improve our SIG. Residents, fellows and young faculty up to 3 years out of fellowship are encouraged to attend.

Presenters: Melissa Cellini, Candice Taylor Lucas

8:30am-11:30am

1280 Academic Fellows
APA Special Interest Group
Vancouver Convention Centre - West 114

Chairs: Melissa M. Cellini, melissa.cellini@gmail.com, and Candice E. Taylor Lucas, candice.taylor.m.d@gmail.com

The Academic Fellows SIG was established to address the needs of fellows and young faculty from all academic specialties, and foster opportunities for networking, research collaboration, career development, mentorship, and advocacy. Our PAS session is high yield for APA members seeking to strengthen their academic skills. Learn practical tips from experienced faculty about building a successful academic career. Also, let your voice be heard. Share ideas to improve our SIG. Residents, fellows and young faculty up to 3 years out of fellowship are encouraged to attend.

Presenters: Melissa Cellini, Candice Taylor Lucas

8:30am-11:30am

1282 Complex Care
APA Special Interest Group
Vancouver Convention Centre - West 220

Chairs: Carl D. Tapia, cdtapia@texaschildrens.org, Jay Berry, jay.berry@childrens.harvard.edu, and Rishi K. Agrawal, ragrawal@luriechildrens.org

Please join the Complex Care SIG as we feature a number of presentations, including:
1) A novel algorithm to identify children with disabilities from administrative data
2) A project to create a registry of complex care programs
3) Updates on the development of educational competencies for interdisciplinary complex care teams led by the AACPDM Complex Care Committee.
4) Updates on the Children’s Hospital Association US Federal Proposal for Children with Medical Complexity
5) Presentation of Complex Care activity in Canada, including development of a resident training curriculum and an initiative to improve care of pediatric high resource utilizers
6) Presentations by Center for Medicare and Medicaid Innovation Project grantees on Complex Care focused projects.

Your input is critical to these initiatives, so please plan to attend.

Presenters: Hema Patel, Eyal Cohen, Karen Kuhlthau, Irene Dietz, Laurie Glader, Aimee Ossman, Jacqueline Kueser, Alyna Chien

8:30am-11:30am

1284 Developmental-Behavioral Pediatrics
APA Special Interest Group
Vancouver Convention Centre - West 113

Chair: Diane L. Langkamp, dlangkamp@chmca.org

Title: Can Mental Health Become Mainstream Pediatrics? Statewide Approaches to Transforming Pediatric Primary Care

Mental health concerns affect 20% of children. Yet many of these children are not identified, and even fewer actually receive services. Numerous statewide efforts have been implemented to promote earlier identification and management of mental health concerns in pediatric primary care settings. Representatives from Maryland, Ohio, and South Carolina, will share the opportunities, challenges, and lessons learned from their experience with statewide initiatives.

Faculty:
Rebecca Baum, Nationwide Children’s Hospital, Columbus, Ohio
John Duby, Akron Children’s Hospital, Akron, Ohio
Linda Grossman, Baltimore County Health Department, Baltimore Maryland
Francis Rushton, Medical Director, South Carolina QTIP program, Beaufort, South Carolina

Presenters: Rebecca Baum, John Duby, Linda Grossman, and Francis Rushton

8:30am-11:30am

1286 Faculty Development
APA Special Interest Group
Vancouver Convention Centre - West 216

Chairs: Joseph O. Lopreato, joc.lopreato@simcen.usuhs.edu, and Miriam E. Bar-on, mbar-on@medicine.nevada.edu

Our program this year will feature Dr. Jennifer O’Toole from Cincinnati Children’s Hospital. She will be discussing the faculty development package designed by the IPASS multi-institutional study group. This group created tools to improve faculty and resident skills in the area of patient handovers (transitions of care). This is a critical medical education competency. We will discuss how to engage faculty in using the new methodology. Please join us for this important session that will be stimulating, educational and practical.

Presenter: Jennifer O’Toole

8:30am-11:30am

1288 Hospital Medicine
APA Special Interest Group
Vancouver Convention Centre - West 306

Chairs: Jeffrey M. Simmons, jeffrey.simmons@chcmc.org, Karen Smith, ksmith@childrensnational.org, and Vineeta Mittal, Vineeta.Mittal@childrens.com

This year’s theme is ‘Funding and Advancing Research in Pediatric Hospital Medicine’. This session will provide an opportunity to network with your colleagues based on interest (education, quality, and clinical research) led by a senior hospitalist. Learn about our work groups (PRIS, Education, Workforce, and VIP-QuIIN) and how you can be involved. Be informed about the Joint Council and the candidates for APA SIG chair. Finally, enhance your clinical, quality, and educational research endeavors through an informative panel of experts to answer your questions about how to obtain both public and private funding for your research.

8:30am-11:30am

1290 LGBTQ Health and Well-Being
APA Special Interest Group
Vancouver Convention Centre - West 115

Chairs: Ellen C. Perrin, EPerrin@tuftsmedicalcenter.org, David M. Jaffe, jaffe@kids.wustl.edu, and Brian Lurie, brian.lurie@atlantichealth.org

The purpose of this SIG is to provide a forum within the Academic Pediatric Association (APA) for members to share and advance 1) research at various stages of development, 2) innovative teaching activities and ideas, and 3) advocacy efforts in support of LGBTQ children, youth, parents, health professional students and members of health professional faculties. The SIG will contribute to the development of APA policy with respect to LGBTQ populations, and explore innovative models of health care delivery designed to address health and health care disparities and to promote the health and well-being of lesbian, gay, bisexual, transgendered, and questioning (LGBTQ) individuals. SIG activities will occur in the domains of research, education, policy, health care delivery, and advocacy.

At this inaugural meeting we will provide a forum for networking, and for prioritizing and advancing the agenda of the SIG. After introductions, Mark Schuster will speak about the recent IOM report on GLBTQ issues. Dena Hofkosh, Franklin Trimm, and Brian Lurie will speak about the work begun in the APPD to develop a curriculum for medical and other health professional students and trainees regarding LGBTQ health and care. They will also explore ways in which the APA might support this effort. We will then facilitate small group discussions focusing on each of the goals of the SIG: research, education, health care delivery, advocacy, and promoting supportive work environments. The goal of these groups will be to prioritize objectives and strategies and develop task forces to address them. All interested members of the APA are invited to attend.

Presenters: Mark A. Schuster, Dena Hofkosh and R. Franklin Trimm, III
10:30  Milestones: Overview and Possibilities
Marsha S. Anderson, University of Colorado School of Medicine, Aurora, CO

10:45  Pediatric Milestones: Assessment That Informs Learning and Decisions
Patricia J. Hicks, The Children’s Hosp of Philadelphia, Philadelphia, PA

11:15  Challenges Faced When Using Resident Milestone Self-Assessment
Su Ting T. Li, University of California, Davis, Sacramento, CA

11:45  Using the Milestones to Enhance Performance through Remediation and Enrichment
Riley F. Trimm, University of South Alabama College of Medicine, Mobile, AL

12:15  Discussion

Jointly sponsored by the Association of Pediatric Program Directors and the Pediatric Academic Societies

1352  Ciliopathies
PAS Topic Symposium
Vancouver Convention Center - East 109

Target Audience: General and subspecialist pediatricians including neurologists, nephrologists, geneticists, developmentalists, and neonatologists. Basic and translational scientists interested in model organisms, developmental biology, or genetics.

Objectives:
- To discuss the biochemical, cellular, and developmental processes mediated by cilia
- To present the known association of cilium genes with disease, and to discuss ongoing disease gene discovery efforts
- To highlight the diverse experimental approaches to ciliopathy disease characterization, including imaging, genomics, model organism analysis, and others

Chairs: David R. Beier, Seattle Children’s Research Institute, Seattle, WA, and Dan Doherty, Seattle Children’s Hospital and University of Washington, Seattle, WA

The discovery that genes which function in the primary cilium are mutated in a wide range of disorders has led to a remarkable flood of discovery encompassing both disease gene discovery, insight into developmental signaling processes, and basic cellular and biochemical characterization of ciliary structure and function. Autosomal dominant and recessive polycystic kidney disease are among the disorders first attributed to defects of ciliary proteins, and diseases including nephronophthisis (NPHP), Bardet-Biedl Syndrome (BBS), Meckel-Gruber Syndrome (MKS), Jeune Asphyxiating Thoracic Dystrophy (JATD) and Joubert Syndrome (JS) are now known to be ciliopathies. Features of these disorders include intellectual disability, brain malformation, retinal dystrophy, cystic kidney disease, liver fibrosis, polydactyly and obesity. While individually rare, their combined prevalence is at least 1/500. In this symposium, we propose to discuss the fundamental biology of the primary cilium and the ongoing characterization of ciliopathies.

10:30  Ciliary Mediated Developmental Signaling
David R. Beier, Seattle Children’s Research Institute, Seattle, WA

10:50  Bardet-Biedl Syndrome
Val C. Sheffield, University of Iowa, Iowa City, IA

11:10  Cystic Kidney Diseases
Friedhelm Hildebrandt, HHMI/Boston Children’s Hospital, Boston, MA

11:30  Joubert Syndrome
Daniel Doherty, Seattle Children’s Hospital and University of Washington, Seattle, WA

11:50  TBD
Cecilia W. Lo, University of Pittsburgh School of Medicine, Pittsburgh, PA

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**1355A** Congenital and Perinatal Infections: Current Concepts and Updates  
PIDS Topic Symposium  
Vancouver Convention Center - West Ballroom B

**Objectives:**  
- Discuss the immunopathogenesis of transplacental infections  
- Review the role of hepatitis C virus and *Ureaplasma spp.* in congenital and perinatal infections  
- Discuss recent findings on treatment of congenital CMV infection

**Chair:** Jennifer S. Read, National Institutes of Health, Bethesda, MD and Catherine M. Bendel, Associate Professor of Pediatrics, Director, Neonatal-Perinatal Medicine Fellowship Program Director, Pediatric Fellowship Programs

Congenital and perinatal infections represent an important cause of infant morbidity and mortality. Better understanding of the maternal-fetal interface that results in these infections may lead to novel preventive strategies. The contribution of specific organisms (hepatitis C virus, *Ureaplasma spp.*, and cytomegalovirus) will be discussed.

**10:30** The Maternal-Fetal Interface: Immune Mechanisms of Infection and Protection  
Mark R. Schleiss, Center for Infectious Diseases and Microbiology Translational Research, Minneapolis, MN

**11:00** The Immunology behind Perinatal Hepatitis C Infection  
Jonathan R. Honegger, Nationwide Children’s Hospital – The Ohio State University, Columbus, OH

**11:30** *Ureaplasma*: A Neonatal Pathogen?  
Rose M. Viscardi, University of Maryland School of Medicine, Baltimore, MD

**11:45** Congenital CMV Infection: Longer Therapy for All Symptomatic Babies?  
David W. Kimberlin, University of Alabama, Birmingham, AL

**12:00** Discussion

**10:30am - 12:30pm**

**1360** Pediatric Policy Council Plenary Session  
Is Health Reform Working for Children?: Implementation of the Affordable Care Act and Its Future in Child Health Development  
PAS State of the Art Plenary  
Vancouver Convention Center - Room East 12

**Chairs:** Richard Lee Bucarielli, University of Florida, Gainesville, FL and David Clark, Albany Medical Center, Albany, NY

This session will be an interactive discussion of the state by state implementation of the Affordable Care Act (ACA). It will focus on the various strategies of ACA implementation among states, including full implementation, refusal of the Medicaid expansion, state versus federally run insurance exchanges, and other innovative approaches to expand access. Panel members will consist of those with leadership positions within the states and or within policymaking organizations. Discussion will assess states’ success in expanding quality coverage for the uninsured and underserved as well as the economic impact the ACA on state budgets, pediatric training programs and the pediatric workforce.

**10:30** Introduction  
Richard Bucarielli, University of Florida, Gainesville, FL; Chair, Pediatric Policy Council

**10:35** The Affordable Care Act in Theory: How Does the Health Care Law Intend to Improve Child Health?  
David Clark, Albany Medical Center, Albany, NY

**11:10** A View from the States: How Effective is Health Reform Implementation at the State Level?  
Anne Edwards, Chair, Committee on State Government Affairs, American Academy of Pediatrics, Minneapolis, MN

**11:45** The Future of Health Reform for Children  
Richard Bucarielli, University of Florida, Gainesville, FL; Chair, Pediatric Policy Council

**12:15** Discussion

**10:30am-12:30pm**

**1365** Neonatal Pain: Lost in Translation  
PAS Topic Symposium  
Vancouver Convention Center - West Ballroom C

**Target Audience:** Scientists and clinicians involved with research in neonatal pain. Neonatologists who care for these vulnerable neonates.

**Objectives:**  
- Know the long-term effects of pain on adverse neurodevelopmental outcome in preterm neonates  
- Appreciate overlooked clinical stressors influencing the developing brain that may mask effects of neonatal pain  
- Learn how to design better animal models and clinical studies that can differentiate specific effects of neonatal pain

**Chairs:** Marsha Campbell-Yeo, Dalhousie University and IWK Health Centre, Halifax, NS, Canada, Richard Whit Hall, Univ of Arkansas for Medical Sciences, Little Rock, AR

Preterm birth is associated with altered brain microstructure and adverse neurodevelopmental outcomes related to pain during their stay in the neonatal intensive care unit. Research on the impact of pain and treatment of neonatal pain has overlooked various other clinical stressors found in modern neonatal intensive care units. These include hypoxemia, nutritional dysregulation, maternal separation, light, sound, sleep deprivation, the inflammatory conditions leading to preterm delivery and the inflammation brought on by modern therapies such as mechanical ventilation and antibiotics. We propose a symposium to discuss the difficulties encountered in previous research and propose a new paradigm to account for these various factors in translational models. We will discuss methods to account for these various factors and how future research could be advanced. We will engage clinicians with pain neuroscientists to address how experimental conditions can be manipulated to study pain effects and management with more clinically relevant conditions.

**10:40** Improving Care of the Developing Brain  
Steven P. Miller, The Hospital for Sick Children, Toronto, ON, Canada

**11:00** Post Surgical Pain in the Neonate: Does it Matter?  
Dick Tibboel, Sophia Children’s Hospital, Rotterdam, The Netherlands

**11:20** When Do the Fetus and the Preterm Infant Become Conscious of Pain  
Hugo Lagercrantz, Karolinska Institutet, Stockholm, Sweden

**11:40** Bench to Bedside: Making it Relevant  
Kanjwaljee S. Anand, University of Tennessee Health Science Center, Memphis, TN

**12:00** Discussion

**10:30am-12:30pm**

**1370** State of the Art and Science of Neonatal/Pediatric Extracorporeal Support  
PAS Topic Symposium  
Vancouver Convention Center - West 121-122

**Target Audience:** Clinicians and scientists involved with the care and study of neonates and children with acute cardiopulmonary failure benefiting from extracorporeal support.

**Objectives:**  
- Articulate current indications and outcome measures for use of extracorporeal support in neonates and children for cardiopulmonary failure  
- Articulate current understanding of coagulation and anticoagulation in extracorporeal circuits, and identify current anticoagulation approaches to decrease complications  
- Define the impact and mechanisms of potential neurologic effects of extracorporeal support, neurologic complications, and neurologic monitoring on ECLS

**Chairs:** Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA, and James Donald Fortenberry, Children’s Healthcare of Atlanta, Atlanta, GA
The use of extracorporeal support in neonates and children with respiratory or cardiac failure continues to be refined due to improved understanding of physiologic management, broadening of indications, and enhanced techniques. As use increases in a number of settings, particularly in pediatric respiratory and neonatal/pediatric cardiac support, improved scientific understanding of factors impacting both mortality and morbidity has developed. Advances in understanding of the milieu of anticoagulation help guide improvements in morbidity and survival. Understanding developmental and neurologic impact, monitoring and outcomes becomes more important with improved survival. Pediatric acute kidney injury has also become better defined, and recognized as a coexisting factor in children requiring ECLS. Early identification via urinary biomarkers could guide improved therapy.

10:30 Current Use of Extracorporeal Support in Neonates and Children: The Extracorporeal Life Support Organization Registry Experience
James Donald Fortenberry, Children’s Healthcare of Atlanta, Atlanta, GA

10:45 New Insights into Outcomes in Neonatal and Pediatric Respiratory Failure ECMO
Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA

11:05 Extracorporeal Support for Pediatric Cardiac Failure: Mechanisms, Devices, and Outcomes
Ravi R. Thiagarajan, Boston Children’s Hospital, Boston, MA

11:25 Acute Kidney Injury in Children with Cardiopulmonary Failure: Defining It and Treating It on ECLS
Matthew L. Paden, Emory University, Atlanta, GA

11:45 Seeking the Holy Grail: Understanding and Optimizing Coagulation and Anticoagulation in ECLS
Gail Annich, University of Michigan, Ann Arbor, MI

12:05 The Child’s Brain on ECLS: Insights into Neurologic Effects, Outcome and Monitoring
Mark T. Ogino, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE

12:25 Discussion

10:30am – 12:30pm

1400 Apnea & Control of Breathing
Platform
Vancouver Convention Centre - Room West 118

Chairs: Eric Eichenfall and Matthew Laughon

10:30 Progesterone Inhibits Ventilation in 12-Day-Old Rats - Chronically Treated With Caffeine.

10:45* The Effect of Caffeine on Diaphragmatic Activity in Preterm Infants.
Juliette V. Kraaijenga, Gerard J. Hutten, Frans H. de Jongh, Anton H. van Kaam.

11:00* Apnea and Periodic Breathing in VLBW Infants: Do They Increase After Stopping Caffeine?

11:15 Caffeine Citrate Reduces the Number of Central Apnea by Stimulating Neural Breathing.
Hanna Soukka, Vilhelmima Parikka, Qian Zhai, Jennifer Beck, Lisa Lehtonen.

11:30 Do the Effects of Targeting Higher vs Lower SpO2 in Extremely Preterm Infants Differ Between Centers With More or Less Separation Between Median SpO2 in the Two Groups? A Subgroup Analysis of the Canadian Oxygen Trial (COT).
B. Schmidt, M. Mohr, D. Lake, J. Harrold, R. Whyte, Y. Rabi, A. Solimano, C. Poets, R. Roberts.


12:00 Very Long Apnea in Preterm Infants: Failure of NICU Monitoring Systems.

12:15 Real Time Detection, Classification and Quantification of Apneic Episodes Using Miniature Surface Motion Sensors in Rats.

1405 Behavior Initiation & Health Screening
Platform
Vancouver Convention Centre - Room East 10

Chairs: Elizabeth Alderman and Renee Jenkins

10:30* An Association Between Depressive Symptoms and Contraception Method Choice in Adolescent Females Initiating Contraception.
Lindra N. Presser, Jenny Francis, Katie Malbon.

10:45* Adolescent Attitudes Toward Inpatient Reproductive Health Education and Contraception Initiation.

11:00 The Role of Age and Setting in Adolescents’ First Drinking Experience.
Jeffrey P. Yaeger, Megan A. Moreno.

11:15* Do Physicians Adhere To the Centers for Disease Control and Prevention Guidelines for Sexually Active Adolescents?
Michelle L. Pickett, Marlene D. Melzer-Lange, Amy L. Drendel, Melissa K. Miller, Seema Menon.

11:30 Provider Validation of Patient Report of Transition Readiness Using the Transition Readiness Assessment Questionnaire (TRAQ).

11:45 HIV Screening in Adolescents: the Effect of a State Law.

12:00* The Predictive Value of a 2-Item Screen for Food Insecurity and the Association With Additional Health-Related Social Problems in an Urban Youth Population.
Tamaara E. Baer, Emily Blood, Eric Fleegler, Arej Hassan.

12:15 Screening for Depression and Suicidal Risk in the Community Primary Care Practice Setting.
Ardis L. Olson, Susan M. Smiga.

10:30am – 12:30pm

1410 Cardiology
Platform
Vancouver Convention Centre - Room West 111-112

Chairs: Timothy Feites and Bruce Gelb

10:30 Impaired Cerebral Metabolism in Fetuses With Congenital Heart Disease.
Iordanis E. Evangelou, Adre J. Du Plessis, Mary T. Donofrio, Gilbert L. Vezina, Ralph Noeske, Catherine Limperopoulos.

10:45* Cerebral Tissue Oxygenation Index and Lactate at 24 Hours Postop Are Predictive Markers of Survival and Neurodevelopmental Outcome (NDO) in Patients Undergoing Cardiac Surgery.
Safwat A. Aly, David Zurakowski, Penny Glass, Kami B. Skurow-Todd, Richard Jonas, Mary Donofrio.

11:00* Time-to-Surgery and Pre-Operative Cerebral Hemodynamics Predict White Matter Injury in Neonates With Hypoplastic Left Heart Syndrome.

11:15* Microcirculatory Alterations With Loss of the Microvascular Glycocalyx in Children With Congenital Heart Defects Undergoing Cardiopulmonary Bypass.


Publication 1400.8

Publication 1405.1

Publication 1405.2

Publication 1405.3

Publication 1405.4

Publication 1405.5

Publication 1405.6

Publication 1410.1

Publication 1410.2

Publication 1410.3

Publication 1410.4
12:15 Improving Emergency Department Care By Implementing an Eligible Learner Endotracheal Intubation Policy (ELETIP).
Stephanie K. Leung, Paul E. Sirbaugh, Charles G. Macias, Binita Patel.  
Publication 1425.8

10:30am - 12:30pm

1430 General Pediatrics: Communication, Technology & Practice
Platform
Vancouver Convention Centre - Room East 11

Chairs: Kathleen Nelson and Suzy Tomopoulos

Publication 1430.1

10:45 Impact of Education on Knowledge and Attitudes of High School Athletes About Concussions. Wendy J. Pomerantz, Brad G. Kurowski, Courtney Schaefer, Mona Ho, Mike A. Gittelman.  
Publication 1430.2

11:00 Predictors of Family Engagement in Family-Centered Rounds. Elizabeth Cox, Victoria Rajamanickam, Tasha Scott, Gwen Jacobsen.  
Publication 1430.3

11:15* Physician-Parent Miscommunication in the Hospital at Night. Alisa Khan, Jayne E. Rogers, Catherine S. Forster, Mark A. Schuster, Christopher P. Landrigan.  
Publication 1430.4

Publication 1430.5

Publication 1430.6

12:00* Text2Connect: Technology Use Among Postpartum Women and Implications for Personal Health Record Utilization. Danis J. Copenahver, Nadira Fernandez, David Vawdrey, Helen Kotchoubey, Melissa S. Stockwell.  
Publication 1430.7

Publication 1430.8

10:30am - 12:30pm

1435 General Pediatrics: Underserved Platform
Vancouver Convention Centre - Room East 13

Chair: Arvin Garg

Publication 1435.1

10:45* Team-Based Asthma Care: Improving the Health of Vulnerable Patients. Helen D’Couto, Linda Haynes, Rebecca Hehn, Noelle Huntington, Joanne Cox, Holder-Niles Faye.  
Publication 1435.2

Publication 1435.3

Publication 1435.4

11:30 The Relationship Between Racial Discrimination and Mental Health in African American and Afro-Caribbean Youth: Results from a National Study. Lee M. Pachter, Bruce A. Bernstein.  
Publication 1435.5

11:45 Food Insecurity & WIC/SNAP Participation Are Not Related To Obesity Risk Among Young Children. Maureen M. Black, Diana B. Cutts, John T. Cook, Sharon Coleman, Megan Sandel, Stephanie Ettinger de Cuba, Ruth Rose-Jacobs, Deborah A. Frank.  
Publication 1435.6

Publication 1435.7

Publication 1435.8

10:30am - 12:30pm

1440 Hospitalist Medicine 1 Platform
Vancouver Convention Centre - Room West 212-213

Chairs: Alison Holmes and Susan Wu

Publication 1440.1

Publication 1440.2

Publication 1440.3

11:15* Validity and Sensitivity To Change of the Pediatric Quality of Life Inventory 4.0 Generic Core Scales (PedsQL™) in the Inpatient Setting. Arti D. Desai, Chuan Zhou, Susan Stanford, Wren Haaland, Rita M. Mangione-Smith.  
Publication 1440.4

11:30 Relationship Across Multiple Hospital Patient Safety Performance Measures. Rustin B. Morse, Matthew Hall, Isabella Zanletti.  
Publication 1440.5

11:45 The Creation of a Pediatric Hospitalist Medicine Dashboard Across a Four Hospital Network: Performance Assessment for Improvement. Lindsay Fox, Kathleen Walsh, Elisabeth Schainker.  
Publication 1440.6

12:00 Is There Meaningful Hospital Performance Variation in Readmissions or Revisits for Children With Respiratory Illnesses? Naomi S. Bardach, Eric Vittinghoff, Jay G. Berry, Renee Asteria-Penaloza, R. Adams Dudley.  
Publication 1440.7

12:15 Establishing Benchmarks for the Inpatient Care of Children With Asthma, Bronchiolitis, and Pneumonia. Kavita Parikh, Matt Hall, Paul Hain, Rustin Morse, Vineeta Mittal, Grant Musman, Amanda Montalbano, Karen Wilson, Samir S. Shah.  
Publication 1440.8

10:30am - 12:30pm

1445 Neonatal Medicine: Clinical Trials Platform
Vancouver Convention Centre - Room West Ballroom A

Chairs: Jonathan Davis and Anna Maria Hibbs

Publication 1445.1
10:45* Effect of Alternative Positions of Newborn (Relative To Placenta), Prior To Recommended Delayed Cord Clamping on Placental Transfusion – A Randomized Control Trial. Ridhimaa Jain., Ashish Jain, Veena Devgan.  
**Publication 1445.2**

11:00 Effect of Resuscitation With Heated Humidified Gas on Admission Temperature in Preterm Infants: Results of a Multicentre Randomized Controlled Trial. Michael P. Meyer, David Hou, Nazmul Ishrar, Ingrid M. Stoppenberg-Dito, Arjan B. te Pas.  
**Publication 1445.3**

**Publication 1445.4**

**Publication 1445.5**

SPR Fellows’ Section Clinical Research Award  
**Vishnu Priya Akula**

**Publication 1445.6**

12:00* Seizure Severity and Outcome in Cooled and Non-Cooled Asphyxiated Infants. Xun Liu, Linda S. de Vries, Lena Hestrom-Westas, Marianne Thoresen.  
**Publication 1445.7**

**Publication 1445.8**

10:30am - 12:30pm  
**1450 Quality Improvement: Better Process of Care**  
Platform  
Vancouver Convention Centre - Room West 119-120  
Chairs: Joanne Cox and Rani Gerege

10:30 Standardized Simulation Assessment Reveals Disparities in Pediatric Sepsis Quality of Care Indicators Across a Spectrum of Emergency Departments. Marc Auerbach, David Kessler, Barbara Walsh, Marcie Gavel, Jessica Katznelson, Jaewon Jang, Robert Dudas, Brian Schultz, Melinda Hamilton, Megan Lavoie, Yen Tay, Susan Walsh, Sandeep Gangadharan, Linda Brown.  
**Publication 1450.1**

10:45 Errors in Pediatric Prehospital Simulation Scenarios. Kathleen Adelgais, Timothy Givens, Maria Mandt, Ashley Bakalas, Lara Rappaport.  
**Publication 1450.2**

11:00 Standardized Simulation Assessment of the Quality of Pediatric Cardiopulmonary Resuscitation Across a Spectrum of Emergency Departments. Marc Auerbach, David Kessler, Barbara Walsh, Susan Walsh, Marcie Gavel, Jessica Katznelson, Jaewon Jang, Megan Lavoie, Khoon-Yen Tay, Robert Dudas, Brian Schultz, Melinda Hamilton, Sandeep Gangadharan, Linda Brown.  
**Publication 1450.3**

**Publication 1450.4**

11:30 Improving Time To Antibiotics and Respiratory Cultures for Intubated Patients in the Pediatric Emergency Department. Sandra P. Spencer, Todd Karsies.  
**Publication 1450.5**

11:45* Improving Timeliness of Administration of Short Acting Beta-Agonists for Pediatric Acute Asthma Exacerbations. Matthew P. Gray, Grant E. Keeney, Michael J. Grah, Christopher D. Spahr.  
**Publication 1450.6**

12:00* Standardizing Handoff Communication To Improve Transitions of Care in the Neonatal Intensive Care Unit. Brianna MacQueen, Leila Ford, Megan Misgen, William Carey, Christopher Colby.  
**Publication 1450.7**

**Publication 1450.8**

10:30am - 12:30pm  
**1455 The Pulmonary Vasculature**  
Platform  
Vancouver Convention Centre - Room West 110  
Chairs: Vineet Bhandari and Kathryn Farrow

10:30* Mesodermal Smoothed (SMO) Controls Tracheal Cartilage Patterning & Smooth Muscle Cell Differentiation. Ashley M. Fischer, Changuong Li, Sha Li, Parviz Minoo.  
**Publication 1455.1**

10:45 Loss of Smooth Muscle Cell HIF-1α Expression Compromises Angiogenesis and Impairs Lung Alveolarization. Elizabeth A. Barnes, Lihua Ying, Chihhsin Chen, Cristina M. Alvira, David N. Cornfield.  
**Publication 1455.2**

11:00 NADPH Oxidase 2 Regulates Lipopolysaccharide Mediated Angiopoietin-2 Signaling in Pulmonary Endothelium. Heather Menden, Scott R. Welak, Venkatesh Sampath.  
**Publication 1455.3**

11:15* Altered Hypoxia Inducible Factor–1α (HIF-1α) Signaling Contributes To Impaired Angiogenesis of Pulmonary Artery Endothelial Cells (PAEC) in Persistent Pulmonary Hypertension of Newborn (PPHN). Kartikeya Makker, Ru-Jeng Teng, Adeleye Afolayan, Brittany Alexis Duffy, Girija Ganesh Konduri.  
**Publication 1455.4**

**Publication 1455.5**

APS/SPR Student Research Program  
**Alexa Sadreameli**

**Publication 1455.6**

12:00 Altered Cardiopulmonary and Cerebral Hemodynamic Responsiveness To Early Inhaled Nitric Oxide in Growth Restricted Preterm Lambs. Graeme R. Polglase, Stuart B. Hooper, Suzanne L. Miller, Elise Coia, Graham Jenkins, Beth J. Allison, Atul Malhotra, Arvind Sehgal, Martin Kluckow, Andrew W. Gill.  
**Publication 1455.7**

**Publication 1455.8**

12:00pm - 1:00pm  
**1460 APA Speed Mentoring Session**  
APA ICW  
Hyatt Regency Vancouver - Hyatt Regency Ballroom: A-F
DAILY PROGRAMMING

12:15pm-1:30pm

1462A Neonatal Feeding Club
Vancouver Convention Centre - West 306

Target Audience: Scientists and clinicians involved with the care of the preterm infant. Appeal will be the genetic and multisensory aspects of feeding development, and the potential development of a noninvasive point-of-care assay capable of assessing oral feeding maturity in the newborn.

Objectives:
- To gain knowledge on the application of salivary gene expression analyses to quantify the expression of genes related to feeding
- To gain knowledge of the sequential development of the senses in relation to oral feeding in the preterm infant

Chair: Steven M. Barlow, University of Nebraska, Lincoln, NE

Determining the role of genetics and experience in the development of feeding skills remains a clinical challenge for neonatal caregivers. Recently, it has been shown that salivary gene expression analyses conducted on saliva can detect and quantify the expression of genes associated with hypothalamic regulation of feeding behavior, and development of orofacial musculature, cranial nerves, sensory integration, and the gastrointestinal and nervous systems. This research is leading to the development of a noninvasive point-of-care assay capable of assessing oral feeding maturity in the newborn. Sequential development of the senses (tactile-vestibular-chemical-auditory-visual) and untimely stimulation may be detrimental to sensory maturation among preterm infants who are deprived of the early emerging senses and overexposed to later emerging senses. Researchers have tried to mimic the sensory environment of the womb within the NICU to maintain the appropriate sequence of sensory development and improve critical outcomes such as oral feeding.

12:00 Genetics and Multisensory Aspects of Oral Feeding in the Preterm Infant
Steven M. Barlow, University of Nebraska, Lincoln, NE

12:05 Gene Expression Analysis of Oral Feeding Maturity in the Newborn
Jill Lamanna Maron, Tufts Medical Center, Boston, MA

12:30 Multisensory Processing and Oromotor Development in the Preterm Infant
Emily Zimmerman, Northeastern University, Boston, MA

12:55 Discussion

Supported by an educational grant from Innara Health

Contact for information:
Steven M. Barlow
University of Kansas
Phone: 785-749-1004
Email: smbarlow@ku.edu

12:15pm-1:30pm

1475A ASPN Awards Luncheon
Vancouver Convention Centre - West Ballroom D

12:15 Henry L. Barnett Award - AAP Section on Nephrology
Introduction and Presenter
Larry Greenbaum, Emory University, Emory Children’s Center, Atlanta, GA

12:30 Award Recipient
Denis Geary, University of Toronto, Toronto, ON, Canada

12:45 ASPN Founder’s Award
Introduction
Joseph T. Flynn, University of Washington, Seattle Children’s Hospital, Seattle, WA

Presenters
Victoria Norwood, University of Virginia, Charlottesville, VA and Fredrick Kaskel, Children’s Hospital at Montefiore, Bronx, NY

1:00 Award Recipient
Robert L. Chevalier, University of Virginia Children’s Hospital, Charlottesville, VA

12:45pm-2:15pm

1490A NICU Follow-Up Models of Care: Lessons Learned from Other Countries
Vancouver Convention Centre - West 301-305

Target Audience: Neonatologists, developmental pediatricians, general pediatricians, psychologists, family medicine physicians, pediatric residents and fellows.

In this session the speakers will compare and contrast models of neonatal follow-up in different countries. Dr. Anne Synnes, a neonatologist at the University of British Columbia and chair of the Canadian Neonatal Follow-Up Network, will discuss the Canadian system of NICU Follow-up with respect to its strengths and weaknesses, eligibility for and availability of intervention services for NICU graduates, effect of National Health Insurance on availability and delivery of follow-up, and short and long-term outcomes compared to other countries. A panel discussion will follow.

1. Describe the Canadian model for NICU follow-up.
2. Discuss how National Health Insurance helps or hinders the availability and delivery of NICU follow-up and early intervention services.
3. Compare models of NICU follow-up care in different countries.

Chair: Ricki Goldstein, Duke University Medical Center, Durham, NC

Speakers: Anne Synnes, University of British Columbia, Vancouver, BC, Canada

Supported by an unrestricted educational grant from Abbott Nutrition

Contact for information:
Jim Couto
American Academy of Pediatrics
Phone: 847-434-7656
Email: jcouto@aap.org

1:00pm - 3:00pm

1495A Global Pediatric Research: Global Child Health in Rich & Poor Countries: Lessons Learned from Indigenous Health Research & Practice
Platform
Vancouver Convention Centre - Room East Ballroom A

Chairs: Robert Bortolussi and Chandy John

1:00* Infant Anthropometrics Predict Adolescent Obesity and Stunting in Peri-Urban Peru. Margot N. Tang, Christopher Duggan, Heather Linnan, Paul Mitchell, Divya Dethary, Mary Penny. Publication 1495A.3

1:15* Cognitive and Social Development Among Children of Migrants: Evidence from the Millennium Cohort Study. Andrew Renuart, Hiranith Jayaweera, Maria Quigley. Publication 1495A.2

1:30* Prevalence of Lead Intoxication in Children 0-16 Years in India - A Pilot Lead Screening Program in Urban North-Western India. Akshat Jain, Ginee Jain, Venkatesh Thuppil, J.P. Sifirmaram. Publication 1495A.1


2:45 Congenital Cytomegalovirus Infection and Hearing Loss in a Highly Seropositive Rural Population in India. Lalit Dar, Divya Nanddeo, Pankaj Kumar, Arbind Kumar, Sanjay Rai, Alok Thakar, Ashok Deorari, Shashi Kant, Shobha Broor, Karen Fowler, Suresh Boppana. Publication 1495A.8
Infections & Immunizations

1. Socioeconomic Status and Religious Exemptions (RE) for Immunization Requirements in New York State (NYS) Public Schools, 2010-2012. Jessica A. Nadeau, Yun-Kuang Lai, Debra Blog, Louise A. McNutt, Jana Shaw. Publication 1500.1

2. Factors Associated With Provider Reporting of Child and Adolescent Vaccination History To Immunization Information Systems: Results from the National Immunization Survey, 2006-2010. Cristina V. Cardemil, LaTrece Harris, Stacie M. Greby, Karen Cullen, Tammy A. Santibanez. Publication 1500.2

3. Risk of Herpes Zoster in Children With Asthma Defined By Asthma Predictive Index. Chung I. Wi, Miguel Park, Bong-Seong Kim, Sonia Mehrab, Barbara Yawn, Young J. Juhn. Publication 1500.3

4. Acceptability of Newborn Cytomegalovirus (CMV) Screening in Minority Women: Findings from the NIDCD CHIMES Study. Karen B. Fowler, Emily Mixon, Alice E. Brumbach, Mirjam C. Kempf, Shannon A. Ross, Suresh B. Bobpanna. Publication 1500.4

5. Increased Incidence and Changing Demographic of Pediatric Empyema. Claudia M. Espinosa, Michael J. Smith, John A. Myers, Charles R. Woods. Publication 1500.5


8. Application of a Novel Socioeconomic Status Measure Using Individual Housing Data on Vaccine Research in Children. Rachel Hammer, Conrad Capili, Elizabeth Kruzensmark, Jennifer Rand-Weaver, Young Juhn. Publication 1500.8


Epidemiology

1501 Obesity

11. Determinants of Increasing BMI in Young Children in a Prospective Mexico City Cohort. Allan C. Just, Mara M. Tellez-Rojo, Alejandro Cantoral, Katherine Svensson, Heather H. Burris, Robert O. Wright, Andrea A. Baccarelli, Emily Oken. Publication 1501.1

12. Is the Obesity Rate Among Children and Adolescents in Qatar Comparable To the American Rate? Ladan Davallow Ghajar, Hanin Abu Ayash, Iqbal El Assad, Amal Khidir. Publication 1501.2

13. Hypertension, Obesity and Metabolic Syndrome in Young Adults Born Preterm - the ESTER Study. Marika Sipola-Leppanen, Marja Vaarasmaki, Marjaana Tikkanmaki, Hanna-Maria Matinolli, Satu Mieltola, Petteri Hovi, Johan G. Eriksson, Aimo Ruokonen, Anneli Pouta, Marjo-Riitta Jarvelin, Eero Kajantie. Publication 1501.3

14. Breastfeeding Initiation among Obese Women: A Large-Scale Study. Julie Verret-Chalifour, Peyiin Zhang, Jordie Croteau, Emmanuel Bujoyd, Yves Giguere, Normand Brassard, Jean-Claude Forest, Isabelle Marc. Publication 1501.4


1502 Disparities


19. Ethnic Inequities in Health: Have We Made Progress? Pertussis Mortality and Morbidity in New Zealand for Maori and Non-Maori over the Past Century. Owen Sinclair, Cameron Grant, Papaarangi Reid. Publication 1502.2


APS/SPR Student Research Program

Alyssa Cohen
1503  Health Care Practice, Measurement & Utilization

26  Predictors of Multiple Emergency Department (ED) Visits in American Indian Children. Susan E. Puumula, Katherine Burgess, Nathaniel R. Payne.  

27*  Prevalence, Practice Patterns and Hematological Outcomes of Young Children Identified With Non-Anemic Iron Deficiency (NAID): Implications of Screening in Primary Care Settings. Kawarsi Abdullahah, Jonathan L. Maguire, Catherine S. Birken, Kevin E. Thorpe, Anthony J. Hanley, Darcy Fehlings, Patricia C. Parkin.  


30  A Profile of Health Problems and Quality of Care for Publicly vs. Privately Insured Children in the US. Christina Bethell, Michael Kogan, Bonnie Strickland, Edward Schor, Julie Robertson, Paul Newacheck, Susan Carson, Eva Hawes, Nanga epilem.  


36*  Pediatricians’ Impact on Health Outcome in Children -Community Level Approach-. Rie Sakai, Gunther Fink, Hiraku Kumamaru, Ichiro Kawachi.  


1504  Environmental & Other Exposures


42*  Phthalates and Diet: A Review of the Epidemiology and Food Monitoring Data. Samantha E. Serrano, Sheela Sathyanarayana.  

43  Spatial Analysis of Childhood Swimming-Pool Submersions in a Metropolitan Area. Rohit Shenoii, Ned Levine, Mary Frost, Christine E. Koerner, Sartaj Alam, John Fraser.  

44*  Dietary Phthalate Exposure in Pregnant Women. Samantha E. Serrano, Noah S. Seixas, Catherine J. Karr, Shanna Swan, Sheela Sathyanarayana.  

45  Secondhand Smoke Exposure and Behavioral Issues in Toddlers: Preliminary Findings. Nicholas Eastman, Hong Huang, Brandon Schanbacher, Alisha Moreno, Elizabeth Klein, Jennifer Kuck, John A. Bauer, Judith Groner.  

46  Clusters of Adolescent and Young Adult Thyroid Cancer in Florida Counties. Raid Amin, James Burns.  


50  Respiratory Disease in Young Children Exposed To Intimate Partner Violence. Elizabeth Hisle-Gorman, Gregory H. Gorman.  

51  Kawasaki Disease and the Subsequent Risk of ADHD: A Nationwide Population-Based Cohort Study. Ho-Chang Kuo.  


53  Social Environment and Development of Children With Special Conditions in a National Birth Cohort Study in Taiwan. Shio-Jean Lin.

1505 Perinatal


56 Premature Infants Who Fail First Grade Are at Risk for Third Grade Failure. Bryan L. Williams, Lucky Jain, Tian Dai, Ashley E. Darcy-Mahoney. Publication 1505.56

57* The Weathering Phenomenon of Rising Rates of Adverse Birth Outcome With Advancing Maternal Birth Weight. Shayna D. Hibbs, Kristin M. Rankin, James W. Collins Jr.. Publication 1505.57

58 Docosahexaenoic Acid (DHA), Nervonic Acid (NA) ,and Branched Chain Fatty Acid (BCFA) Concentrations in Human Milk from the Global Exploration of Human Milk (GEHM) Project. C.J. Valentine, K. Dingess, B. Davidson, A.L. Morrow. Publication 1505.58


60* Characteristics of Infant Deaths During Sleep in Tokyo. Naho Morisaki, Yoko Shima, Mai Miyaji, Wakako Hikiji, Hitode Suzuki, Tatsuhige Fukunaga, Rintaro Mori. Publication 1505.60


63* Resource Utilization During a NICU Admission, from Delivery To the End of Day One: A Case Study. Leslie W. Young, Marissa A. Mendez, Cameron S. Sikavi, Marie T. Berg. Publication 1505.63

64 Resuscitation and Obstetrical Care To Reduce Intrapartum-Related Neonatal Death: A Mandate Study. Beena D. Kamath-Rayne, Jennifer B. Griffin, Elizabeth M. McClure, Robert L. Goldenberg, Alan H. Jobe. Publication 1505.64

65* Preterm Births Over a 2-Month Period in a Tertiary Referral Hospital in Uganda. Kathy L. Burgoine, Flavia Namiro, Cally J. Tann, Jenny J. Kurinczuk, Neil Marlow, Nicola J. Robertson. Publication 1505.65


69 Infants Conceived Using Assisted Reproductive Technologies (ART) or Artificial Insemination (AI) Have Increased Hospital Charges Compared To Infants Naturally Conceived. Mitchell R. Goldstein, T. Allen Merritt, Raylene Phillips, Richard Peverini. Publication 1505.69

70* Changing Prevalence of Severe Congenital Heart Disease in the United States: A Population Study. Alexander EGBE, Santosh Uppu, Shubhiya Srivastava. Publication 1505.70

71 LINE-1 Expression in the Cervix During Pregnancy; Associations With LINE-1 DNA Methylation, TNF alpha, IL8 and Bacterial RNA. Heather H. Burris, Allison P. Sanders, Andrea A. Baccarelli, Hyang-Min Byun, Adriana Mercado-Garcia, Valeria Motta, Joel Schwartz, Katherine Svensson, Martha M. Tellez-Rojo, Robert O. Wright. Publication 1505.71

72 Failure To Refer VLBW Infants To HRIF at Discharge from California NICUs. S.R. Hintz, J.B. Gould, M. Bennett, E. Gray, K. Kagawa, G. Villarin Duenas, H.C. Lee. Publication 1505.72


74* Transition To Independent Living and Romantic Relations Among Young Adults Born Preterm - the ESTER Study. Tuija Mannisto, Marika SIPola-Leppanan, Marjo-Riitta Jarvelin, Petteri Hovi, Marjaana Tikanmaki, Hanna-Maria Matinolli, Pieta Nasanen-Gilmore, Marja Vaarasmaa, Eero Kajantie. Publication 1505.74

75 Provision of Preconception Care and Behavior During Pregnancy. Reena Oza-Frank, Rashmi Kachoria. Publication 1505.75

Emergency Medicine

1506 Adolescent Emergencies

76 Notification and Treatment of Positive Sexually Transmitted Infection Test Results in a Pediatric Emergency Department. Kristen Breslin, Lisa Tuchman, Katie L. Hayes, Monika Goyal. Publication 1506.76

77* A Novel Pediatric Emergency Department Intervention To Improve Adolescent Sexual Healthcare. Dharshinie Jayamaha, Sarah Finocchiario Kessler, Joan Giovanni, Jeff Michael, Mary E. Moffatt, Melissa K. Miller. Publication 1506.77

78 Spatial Distribution of Adolescents With Sexually Transmitted Infections Diagnosed in the Pediatric Emergency Departments of Washington, DC. Shilpa J Patel, Lisa Tuchman, Katie Hayes, Gia Badalato, Stephen J Teach, Monika K. Goyal. Publication 1506.78

79 The Impact of STI Follow-Up on Return Visits To the Emergency Department. Jennifer L. Reed, Jill S. Huppert, Regina G. Taylor, Gordon L. Gillespie, Evaline A. Alessandrini, Jessica A. Kahn. Publication 1506.79

1507 Skin Infections

80 Managing Skin and Soft Tissue Infections (SSTI) in the Emergency Department Observation Unit (EDOU). Shabana Yusuf, Sartaj Alam, Aderonke O. Ojo. Publication 1507.80


82* Bacterial Wound Cultures in the CA-MRSA Era: Why Bother? Kendall Purcell, David Mathison, Joelle Simpson. Publication 1507.82

*First Author is Trainee (fellow, house officer or student)
83  Community-Associated Methicillin Resistant Staphylococcus aureus (CA-MRSA) Is Associated With Reduced Risk of Treatment Failure in Children Hospitalized for Skin and Soft Tissue Infections (SSTI). Ashley L. Woodford, Megan Lundy, Alex W. Hirsch, Rakesh D. Mistry.  
Publication 1507.83

Publication 1507.84

85  Effects of Abscess Packing or Drain Placement Compared To Incision and Drainage Alone on Emergency Department Return. Michael W. Sauer, Michael D. Mallory, Daniel A. Hirsh.  
Publication 1507.85

1508  Resuscitation / EMS

Publication 1508.86

Publication 1508.87

88  Comparison of Two Length Based Tape Systems for Pediatric Resuscitation. Lara D. Rappaport, Kelley Roswell, Maria Mandt, Tim Givens, Ashley Balakas, Kevin Waters, Roxanna Lefort, Kathleen Adelgais.  
Publication 1508.88

Publication 1508.89

Publication 1508.90

Publication 1508.91

92  An Evaluation Instrument for Prehospital Pediatric Disaster Triage Simulations. Mark X. Cicero, Linda Brown, Frank Overly, Barbara Walsh, Jorge Yarzabelski, Veronika Shabanova, Marc Auerbach, Anup Agarwal, Carl Baum.  
Publication 1508.92

Publication 1508.93

1509  Toxicology

Publication 1509.94

Publication 1509.95

96*  Toxicological Emergencies in the Resuscitation Area of a Pediatric Emergency Department. Gillian Beauchamp, Benjamin Kerrey, Matthew Mittiga, Andrea Rinderknecht, Shan Yin.  
Publication 1509.96

97  Managing Children With Scorpion Envenomation: A Decade Long Experience. Dan Quan, Madhumita Sinha, Andre Valdez, Fredrick W. McDonald.  
Publication 1509.97

98  Pediatric Ingestion Risk Factor Survey. George Sam Wang, Jason Hoppe, Lina Brou, Kennon Heard.  
Publication 1509.98

Publication 1509.99

1510  Sepsis / Shock

Publication 1510.100

Publication 1510.101

Publication 1510.102

103  Applying a Pediatric Early Warning Score in the Pediatric Emergency Department To Aid in Detecting Early Warning Signs of Deterioration and Ensuring Proper Disposition. Carmen T. Cortis, Hector Vazquez, Amit Patel, Antonios Likourezos, Estevan Garcia.  
Publication 1510.103

104*  Provider Barriers To Identification and Management of Pediatric Sepsis in Rwanda. Michael J. Alfonzo, Angelique Karambizi, Gunjan K. Tiyyagura, Melissa L. Langhan, Lei Chen.  
Publication 1510.104

Publication 1510.105

Publication 1510.106

Publication 1510.107

108  Epidemiology and Outcomes of Pediatric Sepsis in the United States. Fran Balamuth, Brendan Carr, Michael Kallan, Elizabeth Alpern.  
Publication 1510.108

Publication 1510.109

Publication 1510.110

111  Assessing Differences in Experiences With Management of Critically Ill Children in Pediatric Emergency Departments (PED) and General Emergency Departments (GED). Sandeep Gangadharan, Gunjan Tiyyagura, Linda Brown, Barbara Walsh, Marcie Gavel, Mark Auerbach.  
Publication 1510.111

112  Construct Validity of a Novel Pediatric Septic Shock Severity Classification System. Halden F. Scott, Fran Balamuth, Lina Brou, Sara J. Deakyne, David R. West, Elizabeth R. Alpern, Lalit Bajaj.  
Publication 1510.112
1511 Fever

113 Collaboration between ED and Hematology-Oncology (HO) Improves Time To Antibiotic Administration in Febrile Oncology Patients Presenting To ED. Manu Madhok, Vicki Schaefers, Paula Kocken, Susan Sencer. Publication 1511.113

114* Procalcitonin as a Marker of Serious Infection in Patients With Fever and Acute Lymphoblastic Leukemia. David E. Vyles, Forrest Gnagi, Blake Bullock, Jared Muenzer, Chengcheng Hu. Publication 1511.114

115* Occurrence of Central Line Associated Bloodstream Infections (CLABsIs) in Patients With Intestinal Failure and Fever Evaluated in a Pediatric Emergency Department. Ellen Szyladowski, Melissa Vitale, Jeffrey Rudolph, Noel Zuckerbraun. Publication 1511.115

116 Should Urine Cultures in Children 2-5 Years of Age Be Obtained By Catheterization or Clean-Catch in the Emergency Department? Cathryn Crittenden-Byers, Amy Sparkman, Michael P. Anderson, Amanda Bogie. Publication 1511.116


118* Validation of a Risk Stratification Strategy To Identify Serious Bacterial Illness in Febrile Patients With Sickle Cell Disease Who Present To the ED in the Post PCV7 Era. Gal Altberg, Kathryn A. Koons, Ellen Silver, Hnin Khine, Jeffrey R. Avner. Publication 1511.118

119* The Impact of Traumatic Lumbar Puncture on Hospitalization Rate for Febrile Infants 28 To 60 Days of Age. Elizabeth W. Pingree, Amir A. Kimia, Lise E. Nigrovec. Publication 1511.119

120 Accuracy of Urine Dipstick To Identify Febrile Infants 90 Days Old With a Positive Urine Culture. An Spanish Pediatric Emergency Research Network's (RISeuP-SPERG) Study. Roberto Velasco, Helvia Benito, Rebeca Mozun, Juan E. Trujillo, Pedro A. Merino, Group for the Study of the Young Febrile Infant of RISeuP-SPERG Network. Publication 1511.120

121 Validation of a Sequential Approach To Identify Febrile Infants Under 90 Days Old at Low Risk for Invasive Bacterial Infections – Preliminary Data. Borja Gomez, Santiago Mintegi, Javier Benito, Silvia Bressan, Alain Gervaux, Liviana Da Dalt, Isabel Duran, Mercedes de la Torre, Izzakun Olaciregui, Aristides Rivas, Roberto Velasco, Andres Gonzalez, Anna Fabregas, Veroncica Mardegan, Daniel Blazquez, Laurence Lacroix, Chiara Stefani. Publication 1511.121


1512 Radiology / Imaging

124* Use of Bedside Ocular Ultrasound To Identify Optic Disc Swelling in Children. Ronald F. Marchese, Raksh D. Mistry, Gil Binenbaum, Richard J. Scarfone, Grant T. Liu, Ashley L. Woodford, Aaron E. Chen. Publication 1512.124

125* Survival and Complication Rates of Ultrasound Guided Peripheral Intravenous Catheters (USGPIV) Placed By a Pediatric Emergency Ultrasound Program. Alexandra M. Vinograd, Joseph J. Zorc, Mary Kate Funari, Bianca Cutler, Aaron E. Chen. Publication 1512.125


128 A Survey of Current Use of Focused Abdominal Sonography for Trauma (FAST) at Pediatric Trauma Centers. Jennifer Plumb, Hilary A. Hewes. Publication 1512.128


130* Inter-Rater Reliability of Emergency Ultrasound for Comparison of Central Veins and Arteries in the Pediatric Emergency Department. Elizabeth Placzek, Abby Willaert, Manu Madhok. Publication 1512.130

131 Using Bedside Ultrasound in the Emergency Department for the Diagnosis of Intussusception. Mary E. Emborsky, Saiakat Pal, Heather Territo. Publication 1512.131

132* Sonographic Assessment of Spinal Fluid for Infant Lumbar Puncture. Yaffa M. Vitberg, Peggy Tseng, David O. Kessler. Publication 1512.132


135* Review of Trends in Head CT Practice in the Pediatric Emergency Department Following Institution of Imaging Guidelines for Minor Head Injury. Meghan Cain, Homme James, Heidorn Gretchen. Publication 1512.135


137 Analysis of Radiation Exposure To Pediatric Patients During Computed Tomography Examinations. Anupam Kharbanda, Ernest Krause, Yi Lu, Karen Blumberg. Publication 1512.137

138* Assessment of Parental and Physician Awareness of Radiation Risks Associated With CT Scans. Mayura Gujarathi, Marc Linares, Vincenzo Maneglia. Publication 1512.138

1513 Trauma

139 Evaluation of Safety and Cost-Effectiveness of the Low Risk Ankle Rule in One of Europe's Busiest Paediatric Emergency Departments. Samir Deiratany, Ben Ramousubu. Publication 1513.139

140* Management of Toddler's Fractures in the Pediatric Emergency Department. Abigail M. Schuh, Kathryn B. Whitlock, Eileen J. Klein. Publication 1513.140

141* Primary Care Physician Follow Up of Distal Radius Fractures. Eric Koelink, Lorena Barra, Jennifer Stimec, Andrew Howard, Suzanne Schuh, Kathy Boutis. Publication 1513.141

142 Profiling Pediatric Trauma Deaths in a Metropolitan Area in an Effort To Improve the Rate of Preventable Deaths. Daniel M. Rubalcava, Bindi J. Naik-Matharia, Rohit P. Shenoi, Mary H. Frost, Sartaj Alam, David E. Wesson. Publication 1513.142
Endocrinology & Diabetes

**1514**  
**Thyroid**  

157* Prevalence and Determinants of True Thyroid Dysfunction among Pediatric Referrals for Abnormal Thyroid Function Tests.  
Amit Lahoti, Jason Klein, Tiffany Schumaker, Patricia Vuguin, Graeme Frank.  
Publication 1514.157

158* Late-Onset Severe Congenital Hypothyroidism Due To Dysshormonogenesis.  
Evgen Drubach, Molly Regelmann, Dennis Chia, Marina Goldis, Lindsey Waldman, Michelle Klein, Elizabeth Wallach, Robert Rapaport.  
Publication 1514.158

159* Final Height and Its Determinants After Acquired Hypothyroidism in Childhood and Adolescence.  
Annemarie van de Geer, Joshua H. Gordon, E. Popovsky, Enamandram Monica, Andrea Hale, Rosalind S. Brown.  
Publication 1514.159

160* Severe Hypothyroidism from Iodine Deficiency Associated With Total Parenteral Nutrition in a Child With Intestinal Failure.  
Publication 1514.160

161* Short Term Memory and Attention in Children and Adolescents With Hashimoto's Thyroiditis.  
Mayna Epelmen, Andrey Shalomon, Kanchana Roychoodhury, Salimah Walani, Fernanda Kupferman, Judith Eng, Susana Rapaport, Lily Lew.  
Publication 1514.161

162* Children Under Age 7 With Hyperthyroidism Require Higher Weight-Based Doses of Methimazole To Normalize Free T4 CompaRed To Older Children.  
Diana Newsom, Priya Vaidyanathan, Paul Kaplowitz.  
Publication 1514.162

163* A New TSHR Germline Activating Mutation in Extracellular Domain (S281T) in Hispanic Family With Non-Autoimmune Hyperthyroidism.  
Chawkaew Kongkanka, Chupong Iitiwut, Kanya Suphapeetiporn, Pitsit Pitukcheewanont.  
Publication 1514.163

164* The Liver That Ate Thyroxine.  
Chelsey Grimbly, Rose Girgis.  
Publication 1514.164

165* Hurthle Cell Carcinoma in a 15 Year Old Adolescent.  
Allison McGirr, Martha Bardsley.  
Publication 1514.165

166* Hypothalamic-Pituitary-Thyroid Axis of the Infants With Transient Hypothyroxinemia of Prematurity Is Not Different from Euthyroid Infants.  
Akane Yamamoto, Masahiko Kawai, Kogoro Iwanaga, Takashi Matsukura, Fusako Niwa, Toshi Heike.  
Publication 1514.166

167* Diagnosis of Pediatric Hyperthyroidism: Technetium (Tc) Uptake vs. Thyroid Stimulating Immunoglobulin (TSI).  
Charumathi Baskaran, Lynne Levitsky, Madhusmita Misra.  
Publication 1514.167

168* Hypothyroidism Preceding Neonatal Graves' Disease.  
Anamaria M. Manea, Angela S. Lennon.  
Publication 1514.168

1515 Diabetes / Hypoglycemia / Pancreatic Development

169* Progression of 6Q24 Transient Neonatal Diabetes Mellitus To Hypoglycemia.  
Sani M. Roy, Katherine Lord, Sara E. Pinney, Diva D. De Leon.  
Publication 1514.169

170* Diabetes as the Initial Manifestation of Possible CFTR-Related Dysfunction in an Adolescent Male.  
Emily K. Sims, Zarmina Ehsan, Michelle Howenstine, Molly Bozic, Todd D. Nebesio.  
Publication 1514.170

171* Plasma Levels of GLP-1 During Fasting and in Response To Nutrients in Children With Hypoglycemia.  
Diana M. Pimentel, Samir Sayed, Stephanie Givler, Andrea Kelly, Diva D. De Leon.  
Publication 1514.171

172* Hypoglycemia and Evidence of Hyperinsulinism in Relation To Treatment With Bevacizumab.  
Jacquelyn H. Hatch-Steu, Vaneeta Bamba, Diva D. De Leon, Andrew Palladino.  
Publication 1514.172

173* Non-Invasive Tissue-Specific Glucose Uptake in Pregnancy Using the Dual Imaging of MRI and mPET.  
Publication 1514.173

174* Determination of Non-Nutritive Sweeteners in Human Breast Milk.  
Allison C. Sylvetsky, Alexandra L. Gardner, Jenny E. Blau, Peter Walter, Kristina I. Rother.  
Publication 1514.174

175* A Unique Case of Neonatal Diabetes With Sickle Cell Trait.  
Bach-Mai Vu, Meenal Mendiratta.  
Publication 1514.175

176* Pancreatic Age: A Novel GATA6 Mutation.  
Christina S. Chao, Kristen McNight, Kenneth L. Cox, Anne L. Chang, Seung Kim, Brian J. Feldman.  
Publication 1514.176
177 The Role of Hnf6-Pdx1 Interaction in Pancreas Development. Diana E. Stanesco, Jeffrey C. Raun, Kathryn D. Henley, Jonathan Schug, Maureen Gannon, Doris A. Stoffers. Publication 1515.177

178 GATA6 Related Neonatal Diabetes Mellitus: Neurodevelopmental Delay Is Not a Consistent Feature. David Carmody, Sai Talluru, Ashley N. Pastore, Scott Hunter; Megan Scott, Michael E. Msall, Siri Atma W. Greeley. Publication 1515.178

179* A Novel Mutation in the Insulin Receptor in a Lean Adolescent With Severe Acanthosis Nigricans and Hyperandrogenism. Mansa Krishnamurthy, Mia Pingu. Publication 1515.179


1516 Type 1 Diabetes

APS/SPR Student Research Program

Justin Pespisa

182* Implementation of a Telehealth Intervention for Adolescents With Type 1 Diabetes. Justin Pespisa, Nissa Askins, Erica Denhoff, Lauren Mednick, Jessica Post, Gretchen Waldman, Joseph Wolfsdorf, Erin Rhodes. Publication 1516.182


184* Recurrent Insulin Edema in an Adolescent. Jacqueline P. Velasco, Renee Bargman. Publication 1516.184

185* Type 1 Diabetes Education and Screening Program in Nepal. Sarah Coors, Graham Ogle, Holley Allen. Publication 1516.185


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705 Comparison of 2% Chlorhexidine in 70% Isopropyl Alcohol With 2% Aqueous Chlorhexidine for Skin Antisepsis Prior To Venepuncture in Very Low Birth Weight Infants: A Non-Inferiority Trial. Amish Jain, Poorva Deshpande, Kyong-Soon Lee, Allison McGeer, Vibhuti Shah. Publication 1546.705


709* The Conundrum of Pneumonia Treatment in the NICU: Can Variation Inform Antibiotic Stewardship?. Joseph B. Cantey, Phillip S. Wozniak, Pablo J. Sanchez. Publication 1546.709


711 Human Milk Oligosaccharides: Potential Use in Prevention of Invasive Candidiasis in Premature Infants. Michele Tepuiker, Sara Gonia, Jae Kim, Lars Bode, Cheryl A. Gale. Publication 1546.711


713* Comparative Effectiveness and Safety of Empiric Ampicillin Plus Gentamicin or Empiric Piperacillin-Tazobactam in the Neonatal Intensive Care Unit. Irina Smith, Carolyn R. Ahlers-Schmidt, Barry T. Bloom. Publication 1546.713


718 Promoting Judicious Use of Vancomycin in a NICU. Galit Holzmann-Pazgal, Eric Eichenwald, Amir Khan, Christine Domonoske. Publication 1546.718

719* First Use of Investigational Antiviral Drug Pocapavir (V-073) for Treating Neonatal Enteroviral Sepsis. Sanet Torres-Torres, Angela Myers, J. Michael Klatte, Marc Collett, Jeffrey Hincks, Russell J. McCulloh. Publication 1546.719

720 Receipt of Palivizumab Prior To Discharge from the Birth Hospitalization During RSV Season Among Infants 30 Weeks Gestational Age in the United States. Edmund F. La Gamma, Veena R. Kumar, Rajan Wadhawan, Sherry Ye, Frangiscos Sifakis, Christopher S. Ambrose. Publication 1546.720

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721* Intrauterine Growth Retardation as Predictor of Lung Function at School Age. Eveliina Ronkainen, Teija Dunder, Mikko Hallman. Publication 1547.721


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723* Executive Functioning of School-Aged Children Born Very Preterm With Attention-Deficit/Hyperactivity Disorder. Samudragupta Bora, Verena E. Pritchard, Terrie E. Inder, Stephanie Moor, Lianne J. Woodward. Publication 1547.723


726* Perinatal and Neonatal Risk Factors Associated With ADHD in School-Aged Former Premature Infants. Kendell R. German, Andrea C. Wickremasinghe, Geri O. Landman, Bridget C. Johnson, Elizabeth E. Rogers. Publication 1547.726

727 Influence of Very Preterm Birth and Intrauterine Growth Restriction on Brain Growth and Neurodevelopmental Outcome at Early School Age. Eva Morsing, Jonatan Ahlstedt, Anna Kahn, Jimmy Latt, Karel Marsal, Isabella Bjorkman-Burtscher, David Ley. Publication 1547.727


729 The Effects of Gestational Age and Birth Weight on Early Childhood Obesity/Overweight. Nana Matoba, Candace Harvey. Publication 1547.729


1548 School Age Follow-up II


732 Bone Mass and Bone Markers in Prematurely Born Children at Four Years of Age. Lennart Stigson, Anna Kistner, Jon Sigurdsson, Eva Engstrom, Per Magnusson, Ann Hellstrom, Diana Swolin-Eide. Publication 1548.732


736* Early Predictors of Small-for-Gestational-Age Infants Who Develop High Triglycerides in Fifth Grade. Ashlee R. Smith, Martha Mullett, William Neal, Lesley Cottrell, Christa Lilly. Publication 1548.736

1549 Imaging of the Neonatal Brain


739* Language and Reading Skills Are Associated With the Diffusivity Properties of Cortical White Matter Tracts in Fullterm and Preterm Children: A DTI Tactography Study. Katherine E. Travis, Nathaniel J. Myall, Michal Ben-Shachar, Heidi M. Feldman. Publication 1549.739


741 Altered Magnetoencephalographic (MEG) Oscillations in Resting-State Brain Networks in Children Born Very Preterm. Teresa P.L. Cheung, Sam M. Doebsg, Anne Synnes, Ruth E. Grunau. Publicat 1549.741

742 Altered Magnetoencephalographic (MEG) Connectivity During Short-Term Memory Processing in Children Born Very Preterm. Alexander Moiseev, Sam M. Doebsg, Anthony T. Herdman, Urs Ribary, Anne Synnes, Ruth E. Grunau. Publication 1549.742

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744* Gray Matter Volumetric MRI Differences between Appropriate- for-Gestational-Age and Small-for-Gestational-Age Very Low Birth Weight Infants. Yosikata Watanabe, Motohiro Taki, Kazuo Itohashi. Publication 1549.744

1550 Parents & Neonatal Follow-up


746* Protective Effects of Sensitive Parenting on Academic Achievement Are Moderated By Differential Susceptibility of Preterm Children. Julia Jackel, Dieter Wolke. Publication 1550.746

747 Neonatal Medical Home: A Novel Post-Discharge Care Model Outcomes. Debbie Pennington, Robert C. Fenton, Mitzi A. Go, Prabhu S. Parimi. Publication 1550.747


749 Maternal Mental Health as an Indicator of Feelings of Decreased Maternal Well-Being and Parenting Competency in Mothers of Preterm (PT) Infants at NICU Discharge. Betty R. Vohr, Melinda Caskey, Richard Tucker. Publication 1549.749

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#### Saturday, May 3

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779 Improved Postnatal Growth in Preterm VLBW Infants: A Population Based Study. Naofeik Shilomai, Brian Reichman, Liat Lerner-Geva, Valentina Boyko, Benjamin Bar-Oz. Publication 1553.779

780 Patterns and Predictors of Early Intervention Utilization and Referral after NICU Discharge in Preterm Infants. Kousiki Patra, Michelle M. Greene. Publication 1553.780

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782 Correlation of Temporal Organization of Fidgety Movements and 6-12 Month Bayley Scales of Infant-Toddler Development (Bayley III). Raye-Ann deRegnier, Mary Weck, Lars Adde, Rajghnil Stoen, Annamarie Hayner, Elizabeth Overland, Randi T. Vagen, Lynn Boswell. Publication 1554.782


784 Prevalence of Mild Neurodevelopmental Impairment in the NICHD NRN. Ira Adams-Chapman, Scott A. McDonald, Susan R. Hintz, Betty Vohr, Sara DeMauro, Andrea Duncan, Athina Pappas, Abik Das, Jamie Newman, Rose Higgins. Publication 1554.784

785* The Influence of Clinical Factors during the Neonatal Period on Feeding Problems between One and Two Years of Age in Preterm Born Children. Marieke Hoogewerf, Henk J. ter Horst, Marijn W.G. van Dijk, Arend F. Bos. Publication 1554.785


787* Death or Neurodevelopmental Impairment Has Decreased in Extremely Premature Infants. Noelle E. Younge, P. Brian Smith, Kathryn Gustafson, William Malcolm, Patricia Ashley, Ronald N. Goldberg, Ricki F. Goldstein. Publication 1554.787

1555 Triage


789 Biological Risk Factors for Neurodevelopmental Delay in Patients With History of Complex Surgical Treatment. Lidia B. Giudici, Vivian S. Bokser, Ana M. Perelli, Cristina B. Franco, Francisco Eiben, Claudia A. Ferrario. Publication 1555.789


Francisco Eiben, Marina Gutierrez, Analia Stadelmann, Mabel Vazquez, Ingred Klenner, Iole Mariani, Mariana Juchli, Lilian Ibarra, Monica Trovato, Monica Kotynski, Natalia Fernandez, Alicia Ponzano, Patricia Sanchez, Claudia A. Ferrario. Publication 1555.789B


91 Effects of Maternal Medications and Disease on Neonatal Hearing Screening. Irena Ulansovskiy, Khulud Diab, Imad R. Makhoul, Shraga Blazer, Tatiana Smolkin. Publication 1555.791

92* Effect of Early Caffeine on the Neurodevelopmental Outcome of Very Low Birth Weight (VLBW) Newborns: A Cohort Study. Devyani Gupta, Avanti Gupte, Nitin Shashikant Chouthai. Publication 1555.792

93* Differential Impact (DI) of Early Follow Up Growth and Body Composition Parameters (EFGBP) on Neuro Developmental Domains (NDD- Gross Motor (GM), cognitive (CAT) and Language (CLAMS) in Preterm Infants (PJ). Mathew Halliday, Melissa Micallef, Myla Ebeling, James Kiger, Lakshmi Katikaneni. Publication 1555.793


95 Antenatal Corticosteroids Neurodevelopmental Outcomes of Very Preterm Born Children at Preschool Age. Christopher McPherson, Samadragupta Bora, Nicole A. Austin, Zachary A. Vesoulis, Ianne J. Woodward. Publication 1555.795

96* Reassuring Parents of Good Outcomes in the NICU: A Trial of Therapy To Gain Insights at the Border of Viability. Ashita Shetty, Bree Andrews, Patrick Myers, William Meadow. Publication 1555.796

97* Less Subsequent Siblings in Families after Preterm Birth – Explained by Family Planning or by Problems in Fertility?. Suvi Turkka, Pieta Nasanen-Gilmore, Marja Vaarasmarki, Mika Gissler, Anneli Pouta, Eero Kajantie, Petteri Hovi. Publication 1555.797


99* Educational Program on Developmentally-Supportive Care for Parents of Extremely Preterm Children: A Pilot Study. Allison Yung, Lifen Xie, Sylvana Cote, Thierry Karsenti, Julie Gosselin, Dominique Walker, Thuy Mai Luu. Publication 1555.799

80* Changes in Hemodynamic and Peripheral Perfusion in Suspected Neonatal Sepsis. Mohammad Ahmad Hassan, Manuel Schmid, Christof Hanke, Marc Mendler, Markus Watz, Li Huang, Helmut Hummler. Publication 1555.800

81* Can Future Triglyceride Risks of Premature Infants Be Predicted?. Mark C. Smith, Martha D. Mullett, William A. Neal, Lesley E. Cottrell, Christa L. Lilly. Publication 1555.801


83* Assessment By Qualitative Ultrasound of Bone Microstructure in NICU Graduates. Claudia Enriquez Quinonez, Rodolfo Rivas Ruiz, Michelle Segundo Zavala, Dina Villanueva Garcia, Daniel Ibarra Rios. Publication 1555.803
Objectives:
- Review molecular biology, biochemistry, and physiology involved in the maturation of the adrenal gland
- Understand the clinical distinctions between “benign” and “worrisome” premature adrenarche
- Discuss whether children with premature adrenarche should receive long-term follow-up and, if so, how should they be followed

Chairs: Phyllis W. Speiser, Cohen Children’s Medical Ctr of NY, New Hyde Park, NY, and Gabriella Grinstein, Beth Israel Medical Center, New York, NY

Adrenarche is the maturation of the adrenal zona reticularis resulting in the development of pubic and axillary hair and apocrine body odor. Originally thought to be a benign variant of normal physical development (and referred to as benign premature adrenarche), it is now known that some children with premature adrenarche may have a history of intrauterine growth restriction, and premature adrenarche may be associated with obesity, insulin resistance, development of the metabolic syndrome and polycystic ovary syndrome. This symposium will review current theories about the development of adrenarche, the basis of the premature variant, and how to evaluate, manage, and follow children with premature adrenarche.

2:45pm-3:00pm
- Clinical Aspects of Premature Adrenarche: When Is It Not Benign?
- How Should Children with Premature Adrenarche Be Managed?
  Sharon E. Oberfield, Babies & Childrens Hospital, New York, NY

3:15pm-3:45pm
- Pathogenesis of Premature Adrenarche. The Prevailing View: Factors That Affect Adrenal 17a-Hydroxylase/17,20-Lyase (CYP17, P450c17) Activity
  Walter L. Miller, University of California, San Francisco, San Francisco, CA
- Role of Intra-Adrenal Cortisol in Regulating Adrenarche: Physiologic and Pathophysiologic Aspects
  Joseph A. Majzoub, Harvard/Children’s Hospital, Boston, MA

4:15pm:
- Discussion

2:45pm-4:45pm
- Blood Pressure Control in Pediatric Chronic Kidney Disease: What’s Possible, Why
  PAS Topic Symposium
  Vancouver Convention Centre - East 214

Target Audience: Pediatricians, nephrologists and cardiologists.

Objectives:
- Understand the consequences of untreated BP in Childhood CKD
- Delineate how well we control BP in ESRD and CKD
- Understand the evidence based guidelines for BP control

Chairs: Joseph Flynn, Seattle Children’s Hospital, Seattle, WA, and Janis Dionne, BC Children’s Hospital; University of British Columbia, Vancouver, BC, Canada

Control of hypertension in chronic kidney disease (CKD) is important for slowing progression of CKD, but is difficult to achieve. Additionally, current recommendations for optimal blood pressure (BP) targets in pediatric CKD are largely opinion-based because of a lack of longitudinal data on rates of progression at various levels of BP. This session will review the latest data on rates of BP control in pediatric CKD, discuss the effects of untreated hypertension in children with CKD, assess recently issued guidelines for BP targets in pediatric CKD, and offer suggestions on how best to achieve BP control in this patient population.

2:45pm-4:45pm
- Rates of BP Control in Pediatric CKD and ESRD
  Susan M. Halbach, Seattle Children’s Hospital, Seattle, WA
- Consequences of Untreated Hypertension in Pediatric CKD
  Donald John Weaver, Levine Children’s Hospital, Charlotte, NC
- KDIGO, KDOQI, ESH, Task Force – Are Any of These Guidelines Evidence Based? Can They Be Achieved?
  Janis Dionne, BC Children’s Hospital; University of British Columbia, Vancouver, BC, Canada

4:00pm
- How Should We Measure BP and What Medications Should We Use to Control Hypertension in CKD?
  Michael A. Ferguson, Boston Children’s Hospital, Boston, MA
3:00 Aiming For Balancing Vancomycin Troughs and Nephrotoxicity: What Should We Be Aiming For? Holly Maples, University of Arkansas for Medical Sciences College of Pharmacy, Little Rock, AR

3:10 What Are Our Treatment Options for Multi-Drug Resistant Gram-Negative Organisms Infecting Children? Pranita D. Tamma, Johns Hopkins University School of Medicine, Baltimore, MD

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

3:35 Discussion


2:45pm-4:45pm 1610 Clinical Challenges in Pediatric Antibiotic Management

PAS Topic Symposium
Vancouver Convention Centre - Parkview Ballroom

Target Audience: Clinicians, physicians and other healthcare providers, researchers, members in training, pharmacists, microbiologists, hospitalists, and infectious diseases physicians

Objectives:
- To define therapeutic options for the treatment of multi-drug resistant Gram-negative organisms in children
- To determine the optimal therapeutic drug monitoring goals for vancomycin in children
- To determine alternative therapeutic options for children with MRSA or VRE who experience therapeutic failure with standard antibiotic therapy

Chairs: Pranita D. Tamma, Johns Hopkins University School of Medicine, Baltimore, MD, and David Y. Hyun, Children’s National Medical Center, Washington, DC

As we are witnessing a rise in infections caused by multi-drug resistant organisms in the pediatric population, this session will equip practitioners with the knowledge of appropriate antibiotic use for the treatment of infections caused by multi-drug resistant organisms. By the conclusion of the session, attendants will have knowledge of the treatment options that should be considered for resistant Gram-negative organisms (e.g., prolonged infusion B-lactams, colistin, tigecycline, the role of combination therapy). Additionally, they will understand the data regarding vancomycin therapeutic drug monitoring and how to balance vancomycin troughs and nephrotoxicity. Therapeutic options for methillin-resistant Staphylococcus aureus and vancomycin-resistant enterococci including first-line and second-line options also will be reviewed.

2:45pm-4:45pm 1615 Ethics in the Conduct of Clinical/Basic Research

PAS Topic Symposium
Vancover Convention Centre - West Ballroom A

Target Audience: Academic researchers at all stages of career and practice and across all disciplines within pediatrics.

Objectives:
- To understand the ethical issues regarding conduct research in pediatric patients, including neonates
- To understand comparative effectiveness research and waiver of consent for “emergency” research
- Articulate how social media impacts practice change and confidentiality concerning conduct of research

Chair: Seetha Shankaran, Children’s Hospital of Michigan, Detroit, MI

This session will examine the impact of social media on practice changes in the conduct of research. The public/parental perceptions on the conduct of clinical research in pediatric patients will be discussed. The pros, cons, and risks of conducting research in today’s environment will be presented. How to maintain confidentiality in the environment of social media and technology advances will be explored. The experience from trials will be reviewed and the recent public discussions regarding a multicenter neonatal study (SUPPORT) will be analyzed. The ethical aspects of conduct of research, both for new therapies compared to standard of care as well as comparative effectiveness research and waiver of consent for emergency/imminent research needs will be explored. The regulatory oversight of research, both at the governmental and local institutional level, will be presented along with the need for changes. A vigorous interactive audience participation is anticipated.

2:50 Background for This Session: The SUPPORT Study Carl T. D’Angio, University of Rochester, Rochester, NY

3:00 How Social Media and Public Discussion Impacts Conduct of Clinical Trials Robin H. Steinhorn, UC Davis Children’s Hospital, Sacramento, CA

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

3:50 Comparative Effectiveness Research, New Therapies and Waiver of Consent Jonathan M. Fanaroff, Rainbow Babies & Children’s Hospital, Cleveland, OH

4:35 Discussion

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

4:45pm-6:00pm 1620A Global Child Health in Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 3

POPR State of the Art Plenary
Vancover Convention Centre – East Ballroom A

Target Audience: Clinicians and scientists interested in global child health programs.

Objectives:
- Profiling the child health work that has taken place and is taking place in indigenous communities around the world
- Understanding the commonalities between problems of global child health in rich and poor countries

Chair: Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada

The PAS community of clinicians and researchers is committed to the study and care of children throughout the world. This includes children in both rich and poor countries, children within indigenous populations and within other underserved communities. The principles of care for all children should be consistent and lessons on how to achieve this consistency of care can flow both...
to and from underserved populations. This symposium profiles the lessons learned from indigenous health research and practice and invites a dialogue moving beyond the language of “us” and “them” and crossing borders, both real and imagined, to work toward attaining greater health outcomes for all children.

2:45 Approaches to Adolescent Behavioral and Mental Health Promotion in Indigenous Communities
Allison Barlow, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

3:15 Optimizing Child Development: An Aboriginal Perspective
Janet Smylie, St. Michael’s Hospital, Toronto, ON, Canada

3:45 Panel Discussion on Indigenous Health Issues and Lessons Learned from Global Health

4:30 Ceremonial Closing by a Local Indigenous Elder (tba)
TBD

4:45 Discussion

2:45pm-4:45pm

1625 New Insights into Most Cell Biology in Pediatric Health and Disease
PAS Topic Symposium
Vancouver Convention Centre - West 223-234

Target Audience: This session will appeal to both scientists and clinicians involved in understanding and treating pediatric disease that involves an inflammatory or immune component.

Objectives:
- To present an up to date overview of the current understanding of mast cell biology and signaling pathways
- To discuss appropriate and relevant in vivo models to study mast cell function
- To present evidence for mast cells as critical mediators in the pathophysiology of neonatal brain and lung injury

Chairs: Susan J. Vannucci, Weill Cornell Medical College, New York, NY, and Pierre M. Gressens, inserm, Paris, France

Mast cells are cells of hematopoietic origin that have been best known for their role in allergic reactions and asthma. However, in recent years the field of mast cell biology has greatly expanded to now include a wide array of effector functions in both disease progression and maintenance of normal development and health. Mast cells can store and secrete a wide range of signaling molecules and other chemical mediators and their phenotype can vary depending on the environmental milieu and genetic factors. Thus mast cells have been proposed as the first responders to such conditions as cerebral hypoxia-ischemia, TBI, and BPD in the neonate, as well as angiogenesis and tumor progression. This symposium will address novel ways to study mast cell function in vivo as well as detail their expanding role in pediatric health and disease.

2:45 Introduction and Symposium Objectives
Tonse N.K. Raju, NICHD, Bethesda, MD

2:50 Cardiovascular and Cerebrovascular Consequences of Cord Clamping before and after the Onset of Ventilation: Evidence from Preterm Lamb Studies
Stuart B. Hooper, Monash Institute of Medical Research, Clayton, Victoria, Australia

3:10 Optimizing Placental Transfusion for Term Infants: Short and Long-Term Benefits and Side Effects
Ola Andersson, Uppsala University, Uppsala, Uppland, Sweden

3:30 Optimizing Placental Transfusion for Preterm Infants: Short and Long-Term Benefits and Side Effects
Heike Rabe, Brighton & Sussex Medical School, Brighton, Sussex, United Kingdom

3:50 Logistical Barriers for Widespread Implementation of Delayed Cord Clamping and Cord Milking in Clinical Practice, and Proposed Solutions
Judith Smith Mercer, Professor Emerita at University of Rhode Island, Providence, RI

4:10 Discussion

2:45pm-4:45pm

1630 The Future of the Workforce in Pediatrics: A Blueprint for Action Designed at the FOPO Visioning Summit
PAS Topic Symposium
Vancouver Convention Centre - East 12

Target Audience: A very broad audience to include academic pediatricians at all levels.
Objective:
- List four action items for the pediatrics community that will optimize the future of the workforce in pediatrics

Chair: Theodore C. Sectish, Boston Children’s Hospital, Boston, MA

This Topic Symposium will provide participants with an overview of the blueprint for action that was created at the Federation of Pediatric Organizations’ (FOPO) Visioning Summit on the Future of the Workforce in Pediatrics held on September 22-23, 2013. Discussants include leaders of the Working Groups in each of four domains: Child Health Research and Training, Diversity and Inclusion, Gender and Generations, and Pediatric Training Along the Continuum. By the time of this Topic Symposium, each of the action items will have assigned leadership and organizational affinities in order to to promote participation, communication, and understanding within the community of pediatrics.

2:45 Optimizing the Future of the Workforce in Pediatrics
Theodore C. Sectish, Boston Children’s Hospital, Boston, MA

2:50 Optimizing Child Health Research and Training in the Workforce: Actions We Must Take!
William W. Hay, University of Colorado School of Medicine, Aurora, CO

3:00 Optimizing Child Health Research and Training in the Workforce: Actions We Must Take!
Peter G. Szilagyi, University of Rochester School of Medicine and Dentistry, Rochester, NY

3:15 Optimizing Diversity and Inclusion in the Workforce: Actions We Must Take!
Fernando S. Mendoza, Stanford University, Palo Alto, CA

3:25 Optimizing Diversity and Inclusion in the Workforce: Actions We Must Take!
Leslie Renee Walker, University of Washington, Seattle, WA

3:40 Optimizing Gender and Generations in the Workforce: Actions We Must Take!
Nancy D. Spector, St. Christopher’s Hospital for Children, Philadelphia, PA

3:50 Optimizing Gender and Generations in the Workforce: Actions We Must Take!
Bonita Stanton, Wayne State University, Grosse Pointe, MI

4:05 Optimizing Pediatric Training along the Continuum: Actions We Must Take!
John D. Mahan, Nationwide Children’s Hospital/The Ohio State University, Columbus, OH

4:15 Optimizing Pediatric Training along the Continuum: Actions We Must Take!
Teri Lee Turner, Baylor College of Medicine, Houston, TX

2:45pm-4:45pm

1635A The Renal Endothelium: Update 2014
ASPN Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Clinical Basic Science Translational Career-Related.

Objective:
- Understand the important role endothelial cells portend on renal pathophysiology

Chairs: David M. Briscoe, Boston Children’s Hospital, Boston, MA, and Michael E. Seifert, Southern Illinois University, Springfield, IL

Glomerular endothelial cells are highly specialized fenestrated cells that promote selective filtration of plasma through the kidney glomerular filtration barrier. These often ignored cells are increasingly recognized as playing a central role in the development and progression of several primary kidney diseases. This session will provide an overview and update on endothelial cell biology followed by a discussion of the role of endothelial cells in the pathogenesis of renal disease.

2:45 Renal Endothelial Cell Biology Overview
Michael E. Seifert, Southern Illinois University, Springfield, IL
3:00  Altered Th17 Response and Bacterial Colonization in Offspring of Mothers on a High Fat Diet. Julie Mirpuri, Megan Raetz, Rashmin Savani, Lora V. Hooper, Felix Yarovinsky.  
Publication 1660.2

3:15  

3:30  Impact of Maternal Diabetes During Pregnancy on Adolescents With Type 2 Diabetes (T2D): Results from the TODAY Study. Steven Chernausek, Silva Arslanian, Sonia Caprio, Kenneth Copeland, Laure El Ghormli, Megan Kelsey, Michaela Koontz, Carisse Orsi, Denise Willfley.  
Publication 1660.3

3:45  Maternal Pregnancy Subclinical Hyperglycemia, Gestational Diabetes (GDM) and Pre-Pregnancy Obesity Accelerates the Timing of Pubarche in Female Offspring. Ai Kubo, Assiamira Ferrara, Cecile Laurent, Louise C. Greenspan, Lawrence H. Kushi.  
Publication 1660.5

4:00  

4:15  Maternal High-Fat Diet Is Associated With Spatial Learning Deficits and Decreased Expression of Hippocampal NMDA Receptor Subunit NR2B Compared To NR2A in Offspring. Kathleen Page, Endla Anday.  
Publication 1660.6

Publication 1660.7

2:45pm-4:45pm

1660  General Pediatrics: Hospital Medicine I  
Platform  
Vancouver Convention Centre - Room East Ballroom C  
Chairs: Ann Burke and Tamara Simon

Publication 1660.1

3:00  Association Between Ordering Patterns in Pediatric Inpatients and Shift-Based Care Compliant With ACGME Duty Hours. Neelesh Vukkadala, Andrew D. Auerbach, Glenn Rosenbluth.  
Publication 1660.2

Publication 1660.3

Publication 1660.4

3:45  Factors Associated With Length of Stay (LOS) for Pediatric Asthma Hospitalizations in the US. Leticia A. Shanley, Hua Lin, Glenn Flores.  
Publication 1660.5

4:00  Pediatric Hospitalist Co-Management of Neurosurgical Patients Results in Decreased Length of Stay. Anand K. Sekaran, Cathy Sullivan, Christine Skurkis.  
Publication 1660.6

Publication 1660.7

Publication 1660.8

2:45pm-4:30pm

1665  Genetics / Inborn Errors of Metabolism  
Platform  
Vancouver Convention Centre - Room West 119:120  
Chairs: Katrina Dipple and Kim McBride

Publication 1665.1

3:00  Systematic Screening for Treatable Inborn Errors of Metabolism in 350 Patients With Intellectual Developmental Disorders. Clara van Karnebeek, Gabriella Horvath, Ramona Salvarinova, Sylvia Stockler.  
Publication 1665.2

3:15  Application of Whole Exome Sequencing To The Diagnosis of Unknown Genetic Disorders in Children. Vandana Shashi, Kelly Schoch, Rebecca Spillman, Slave Petrovski, Yong-Hui Jiang, David B. Goldstein.  
Publication 1665.3

Publication 1665.4

APS/SPR Student Research Program

Richard Tilton

Publication 1665.5

4:00  The Role of Copy Number Variants in Syndromic and Non-Syndromic Clefting. Lisa A. Harney, Benjamin W. Darbro, Abby Long, Jennifer Standley, Jeff C. Murray, John R. Manak.  
Publication 1665.6

Publication 1665.7

2:45pm-4:45pm

1670  Inflammation & Brain Injury  
Platform  
Vancouver Convention Centre - Room 121-122  
Chairs: Anna Penn and Karin Savman

Publication 1660.1

3:00  Chorioamnionitis and Brain Injury in Term Encephalopathic Neonates Suspected of Hypoxia-Ishemia: Role of Therapeutic Hypothermia. Hanna Edward, Anna Maria Harstad, Vann Chau, Deborah McFadden, Steven P. Miller, Qi Xu, Kenneth J. Poskitt, Elke Roland, Alan Hill, Ruth Grunau, Jill G. Zwicker.  
Publication 1660.2


4:00 Very Preterm Infants With Necrotizing Enterocolitis and Sepsis Demonstrate Slower Brain Metabolic Development. Paolo D. D’Arienzo, Emma G. Duerden, Vann Chau, Angela Thompson, Sandy Belanger, Kenneth J. Poskitt, Ruth E. Grunau, Anne Synnes, Steven P. Miller, Aideen M. Moore. Publication 1670.6

4:15* The Role of Inflammation in IUGR Brain. Allison E. Zanno, Lane Jaeckle-Santos, Micah Romer, Grinspan Judith, Rebecca A. Simmons. Publication 1670.7

4:30* Cerebral Palsy and Chemokine CCL18 Polymorphism in Very Preterm Infants. Hanna Kallankari, Johanna Huusko, Tuula Kaukola, Marja Ojaniemi, Leena Haataja, Pascal Lavoie, Anne Synnes, Mari Mahlman, Riitta Marttila, Mikko Hallman. Publication 1670.8

2:45pm - 4:45pm

1675 Male Health & Substance Use
Platform
Vancouver Convention Centre - Room East 9

Chairs: David Breland and Rebeca Peebles

2:45 Subcutaneous Testosterone: An Effective Delivery Mechanism for Masculinizing Adolescent Transgender Men. Johanna Olson, Sheree M. Schrager, Leslie F. Clark, Shannon L. Dunlap, Marvin Belzer. Publication 1675.1

3:00* What Is It About the Boys? Analyses of Contraceptive Counseling Among Adolescent Males. Joshua T.B. Williams, Marissa Peters, Jeanelle Sheeder, Paritosh Kaul. Publication 1675.2

3:15 Boys in Love. Laurie J. Bauman, Ellen J. Silver, Dana Watnick. Publication 1675.3

3:30* Investigating Idleness as a Risk Factor for Increased HIV Infection in Young MSM. Travis Gayles, Robert Garofalo. Publication 1675.4

3:45 The Application of Minority Stress Theory To Binge Drinking Among Lesbian and Gay Adolescents. Sheree M. Schrager, Jeremy T. Goldbach, Ian W. Holloway. Publication 1675.5

4:00 The Association between At-School Substance Use and Serious Health Risks. Rebecca N. Dudovitz, Kelsi McCoy, Paul J. Chung. Publication 1675.6

4:15* Prevalence and Student Perceptions of Prescription Stimulant Misuse at an Ivy League College. Natalie Colaneri, Majnu John, Andrew Adesman. Publication 1675.7


2:45pm - 4:45pm

1680 Mechanisms & Therapeutic Insight in Pediatric Critical Care
Platform
Vancouver Convention Centre - Room West 118

Chairs: Jennifer Duncan and Mark Hall

2:45* DNA Methylation Changes in the TNF-α Promoter in Murine Splenocytes Following Sepsis. Gina M. DeMasellis, Jackie Goodrich, Adlai Pappy, Timothy T. Cornell, Dana Dolinoy, Thomas P. Shanley. Publication 1680.1

3:00 Progesterone Improves Neurologic Outcome after Pediatric Traumatic Brain Injury in an Immature Rat Model. Kristen Smith, Manda Saraswati, Ray Koehler, Courtney Robertson. Publication 1680.2

3:15* Effect of Src Kinase Inhibition on Nuclear Calcium Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Andy C. Wang, Lynn E. Zeits, Panagiotis Kratimenos, Zack Kodyiattu, Maria Delvorio-Papadopoulos. Publication 1680.3

3:30* Propofol Compared To Isoflurane Inhibits Mitochondrial Metabolism in Immature Swine Cerebral Cortex. Masaki Kajimoto, Douglas B. Atkinson, Dolena R. Leece, Ernst-Bernhard Kayser, Phil G. Morgan, Margaret M. Sedensky, Nancy G. Isern, Christine Des Rosiers, Michael A. Portman. Publication 1680.4

3:45* Glutamate Homeostasis in Maternal Inflammation Induced Brain Injury. Zhi Zhang, Elizabeth Nance, Manoj Mishra, Fan Zhang, Yossef Alnasser, Marigo Stathis, Camilo Rojas, Barbara Slusher, Kannan Rangaramanujam, SuJatha Kannan. Publication 1680.5

4:00 Citrate Potentiates Monocyte Gene Transcription Through Glycogen Synthase Kinase 3 Beta and MAP Kinase Activation. Matthew J. Ashbrook, Timothy T. Cornell, Thomas P. Shanley, Neal B. Blatt. Publication 1680.6


4:30* Inhaled β2 Agonists Therapy Increases Functional Residual Capacity in Mechanically Ventilated Children With Respiratory Failure. Musaab Ramsi, David Cornfield, Carlos Milla. Publication 1680.8

2:45pm - 4:45pm

1685 Nephrology: Clinical / Translational
Platform
Vancouver Convention Centre - Room West 212-213

Chairs: Sandra Amaral and Poyyapakkam Srivaths

2:45 SCOPE: Epidemiology of Catheter-Associated Peritonitis in Children. Christine B. Sethna, Kristina Bryant, Christine Breen, John Lawlor, Lawrence Shoemaker, Susan Kieffner, Jason Newland. Publication 1685.1

3:00 Incidence of and Mortality Associated With Acute Kidney Injury in Neonates. Michael W. Kuzniewicz, Soora Wi, Alan S. Go. Publication 1685.2


3:30 Mortality Risk among Children Receiving a First Kidney Transplant (ktx) in the United States (US) from 1990-2010. Benjamin Laskin, Mark Mitsnefes, Mourad Dahhou, Xun Zhang, Bethany Foster. Publication 1685.4

4:00 Elevated Fibroblast Growth Factor 23 (FGF23), but Not Soluble Klotho (sKl) Predicts Progression of Chronic Kidney Disease (CKD) in Pediatric Renal Transplant (Rtx) Patients at 2 Year Follow-Up. Rachana Srivastava, Eileen Brewer, Poyyapakkam Srivaths. Publication 1685.6


APS/SPR Student Research Program Suraj Bhatt

4:30* Paradoxical Evidence on Vitamin D Deficiency in Nephrotic Syndrome. Suraj K. Bhatt, Michelle Denburg, Rene Chun, Martin Hewison, Dean Carlrow, Amy York, Hannah Facey, Mary B. Leonard. Publication 1685.8

2:45 Reliability of Risk-Based Screening Versus Universal Screening for Hepatitis C Virus Infection Among Pregnant Women in Egypt. Mohamed Hashem, Sameer S. El-Kamary, Doa’a A. Saleh, Mohamed Ehab, Sahar A. Sharaf, Lobna Abde El-Salam, Ravi R. Jhaveri, Hesham El-Ghazaly. Publication 1690.1

3:00* Intestinal Microbiota of Preterm Infants Differ Between Sites and Over Time: A Comparison of Two Large Neonatal Intensive Care Units. Diana H. Taft, Namaviyam Ambalavanan, Kurt R. Schibler, Zhuoteng Yu, David S. Newburg, Doyle V. Ward, Ardythe L. Morrow. Publication 1690.2


3:30 Reports of Infant Sleep Behaviors from a National Sample of Mothers: the Study of Attitudes and Factors Affecting Infant Care (SAFE). Eve R. Colson, Marian Willinger, Nicole L. Santomauro, Timothy C. Heeren, Michael J. Corwin. Publication 1690.4

3:45* Impact of Birth Weight Discordance on Mortality, Morbidity, and Neurodevelopmental Outcomes in Very Low Birth Weight Twins. N. Boghossian, S. Shampa, E. Bell, NICHD Neonatal Research Network. Publication 1690.5

4:00 Neurodevelopmental Outcomes Associated With Prenatal and Childhood Manganese Exposure. Manish Arora, Christine Austin, Birgit Claus Henn, Martha M. Tellez Rojo, Brent Coul, Robert O. Wright. Publication 1690.6

4:15 Detection of Phosphatidylethanol (PEth) in Dried Blood Spots; an Objective Method for Both Screening Newborns for Prenatal Alcohol Exposure and Obtaining Prevalence Estimates of Alcohol Consumption in Late Pregnancy. Aileen Baldwin, Mary Jones, Raquel Magni, Joseph Jones, Charles Plate, Douglas Lewis. Publication 1690.7

4:30* Explaining Differential Susceptibility To Low-Level Lead Exposure in Childhood: the Role of Iron Metabolism Genes. Mateusz Karwowski, Birgit Claus Henn, David Bellinger, Joel Schwartz, Rebecca Jum, Earl Hatley, David Christiani, Robert Wright. Publication 1690.8

2:45pm - 4:45pm

1695 Quality Measurement & Improvement Platform Vancouver Convention Centre - Room East 11

Chairs: Amy Houtrow and Joseph Zickafoose

APA Fellow’s Research Award Prasanna Ananth

2:45* Health Care Utilization and Costs in the Last Year of Life for Children With Complex Chronic Conditions. Prasanna J. Ananth, Patrice Melvin, Chris Feudtner, Joanne Wolfe, Jay G. Berry. Publication 1695.1


3:15* Predictors of Timing of Transfer from Pediatric To Adult Primary Care. L. Wisk, J. Finkelstein, G. Sawicki, M. Lakoma, S. Toomey, M. Schuster, A. Galbraith. Publication 1695.3

3:30 Group Visits To Improve Medical Management of ADHD: Results from a Randomized Pilot Study. Nerissa S. Bauer, Dorota Szczepaniak, Paula D. Sullivan, Genal Y. Mooneyham, Amy K. Pottinger, Cynthia S. Johnson, Stephen M. Downs. Publication 1695.4

APA Fellow’s Research Award Alisa Khan

3:45* Same-Hospital Readmission Is an Incomplete Measure of Quality in Pediatrics. Alisa Khan, Mari M. Nakamura, Alan M. Zaslavsky, Jisun Jang, Jay G. Berry, Jeremy Y. Feng, Mark A. Schuster. Publication 1695.5

4:00* Risk Factors for Recurrent Readmissions for Diabetic Ketoacidosis Within and Across U.S. Children’s Hospitals, Faisal S. Malik, Matt Hall, Xiaqun Luan, Lisa McLeod, Samir S. Shah, Rajendu Srivathavathan, Karen M. Wilson, Joel S. Tieder, Pris Network. Publication 1695.6


2:45pm - 4:45pm

1700 Surfactant Biology & the Avery Award Presentation Platform Vancouver Convention Centre - Room West Ballroom B

Chairs: Roberta Ballard and Philip Ballard

AP S/SPR Mary Ellen Avery Neonatal Research Award

2:45 Introduction of Mary Ellen Avery Neonatal Research Award Roberta A. Ballard, Professor of Pediatrics, University of California at San Francisco, San Francisco, CA

2:50 Introduction of 2014 Mary Ellen Avery Neonatal Research Awardee Richard D. Bland, Professor of Pediatrics, Department of Pediatrics, Stanford University School of Medicine, Stanford, CA

3:00 2014 Mary Ellen Avery Neonatal Research Award Babies, Bubbles, Biology, and Breaks John A. Clements, Professor of Pediatrics Emeritus; Cardiovascular Research Institute, Retired; Graduate Program in Biophysics, Retired; University of California-San Francisco, San Francisco, CA

3:30 Relationship between Antenatal Steroids, Early Surfactant Therapy and Recruitment Manoeuvres at Birth. David Tingay, Amushi Rajapaks, Don Black, Elory Zonneveld, Anna Lavizzari, Elizabeth Perkins, Emanuela Zannin, Magdy Sourial, Peter Davis. Publication 1700.4


4:00* Neonatal Continuous Positive Airway Pressure (CPAP) Improves Later Respiratory Function in a Newborn Mouse Model of Bronchopulmonary Dysplasia (BPD). Brent S. Reyburn, Richard J. Martin, Y.S. Prakash, Thomas Raffay, Julianna DiFiore, Catherine Mayer, Peter M. MacFarlane. Publication 1700.6


2:45pm-4:45pm

1705 The Pathobiology of NEC Platform

2:45 Endogenous Vascular Endothelial Growth Factor Inhibition Worsens the Intestinal Injury in a Neonatal Mouse Model of Necrotizing Enterocolitis. Isabelle G. De Plaen, Xiaocai Yan, Amineshe Sabnis, Xueli Liu, Catie Marek. Publication 1705.1

3:00 Association of S-Nitrosoglutathione Reductase (GSNOR) Gene Polymorphism and Necrotizing Enterocolitis. Sushma Nuthakki, Lynette R. Rogers, Yi Jin, Leif D. Nelin. Publication 1705.2

3:15* Paneth Cell Disruption-Induced Necrotizing Enterocolitis Requires Live Bacteria and Occurs Independent of TLR4 Signaling. Jessica R. White, Patrick M. Schlievert, Brock A. Pope, Huiyu Gong, Steven J. McElroy. Publication 1705.3

3:30 Thickened Feeds Increase the Risk of NEC-Like Intestinal Injury in Rat Pups. Sunil K. Jain, Krishnan MohanKumar, R. Jagadeeswaran, S.A. Garzon, Akhil Maheshwari. Publication 1705.4

3:45* IUGR Alters Mouse Intestinal Architecture During Development. Jessica R. White, Steven J. McElroy, Ashley S. Brown, Huiyu Gong, Camille M. Fung. Publication 1705.5

4:00* Reg3g Is a Biomarker of Necrotizing Enterocolitis. Rachel A. Armentrout, Misty L. Good, David J. Hackam, Jay K. Kolls. Publication 1705.6

4:15 Novel Single Ig IL-1 Related Receptor (SIGIRR) Mutations in Infant With NEC. Venkatesh Sampath, Heather Menden, Daniel Hellbing, Adam Gastonguay, Michael Tschanne, Keguo Li, Elizabeth Worthey, Ramani Ramachandran, David Dimmock. Publication 1705.7

4:30 Transfusion Decreases Intestinal Oxygen Extraction in Anemic Preterm Lambs After Feeds. Jayasree Nair, Sylvia Gugino, Carmon Koenigskeche, Daniel Swartz, Satyan Lakshminrusimha. Publication 1705.8

2:45pm-4:45pm

1700 Bullying in the Workplace: The Broken Culture of Medicine PAS Workshop

Vancouver Convention Centre - West 221

Target Audience: Medical students, residents, fellows and faculty at all levels

Objectives:
- to define bullying from the medical perspective, identifying the targets, perpetrators, settings and types of bullying
- To assess the impact of the bullying on the medical education culture
- To strategize how to confront the problem of bullying from a personal and institutional point of view

Leader: Larrie Greenberg, Co-Leader: Karen Marchante

Bullying in the medical workplace has been an underreported part of the hidden curriculum in academic medical centers. This unprofessional behavior can result in significant financial, human resources and psychological losses. Few articles have addressed this topic, providing little about the incidence, perpetrators, targets, where it occurs, types of bullying, and impact on the culture in medical institutions. The prevalence of bullying is inversely proportional to a safe learning climate, and we need to address how to change the environment to one that breaks the cycle of bullying. Our workshop will promote a conversation about participants’ perspectives of the problem to identify barriers to addressing the issue. We will then identify strategies for individuals to begin addressing bullying at their own institution.

2:45pm-4:45pm

1702 Combating Burnout: Enhancing Vitality and Reinvigorating Your Collegial Network PAS Workshop

Vancouver Convention Centre - East 18

Target Audience: Faculty at all levels who are interested in enhancing their own vitality and promoting institutional change to support faculty vitality.

Objectives:
- Define vitality and its contributing factors
- Develop strategies to promote elements of organizational culture that enhance vitality
- Examine approaches to expand collegial networks and thereby, re-connect to purpose

Leader: Elisa Zenni, Co-Leader: Maryellen Gusic

Faculty in academic health centers are challenged by rising service demands, rapidly changing educational accreditation requirements, competing academic missions, financial threats, and the need to balance personal and family lives. These pressures can lead to physical, mental, and emotional decline; dissatisfaction with and disengagement from work; negative role modeling for students and residents; and faculty attrition. Using a combination of individual, paired, small group, and large group activities, this workshop will provide participants with the opportunity to explore factors that contribute to personal and professional vitality, identify strategies to enhance faculty vitality, and develop approaches to expand one’s own collegial network and re-connect to purpose. Individuals will leave with a personal action plan to enhance their vitality.

*First Author is Trainee (fellow, house officer or student)
2:45pm-4:45pm

1704  Delving Deeper into Qualitative Research Methods: Philosophical Frameworks and Qualitative Analysis
PAS Workshop
Vancouver Convention Centre - East 15

Target Audience: Faculty (all levels, including senior faculty), fellows and residents who want to build in-depth qualitative research skills. Although this workshop stands alone, it will work best for someone who has had an introduction to qualitative methods, although e.

Objectives:
- Discuss 4 philosophical frameworks for qualitative research, match these frameworks to qualitative research questions, and identify implications of each framework for data collection and analysis
- Critique a draft qualitative research design and revise it to increase the rigor of the study and trustworthiness of the data for the study
- Write a qualitative data analysis plan for a research proposal or protocol, including data analysis methods and a plan for organizing the data

Leader: Janice L. Hanson, Co-Leaders: Linda Tewksbury, Dorene Balmer, Eve Colson, Tai M. Lockspeiser, Isabelle Von Kohorn, Lindsey Lane, T.J. Jirasejivinda, Su-Ting Li

Qualitative research methods provide powerful tools for clinical research, medical education research and quality improvement studies. This workshop will explore and apply advanced aspects of qualitative research, including philosophical frameworks (phenomenology, ethnography, grounded theory and social constructivism), implications of these frameworks for qualitative research designs, and techniques for qualitative data analysis. Participants will critique and revise research designs to ensure methodological rigor and trustworthiness of data, practice qualitative data analysis and develop plans for analyzing and managing qualitative data.

2:45pm-4:45pm

1706  Development of an Objective Structured Clinical Examination (OSCE) to Assess the Performance of Interns Utilizing the Pediatric Milestones
PAS Workshop
Vancouver Convention Centre - East 16

Target Audience: Residents, Fellows, Faculty, program directors and DIOs.

Objectives:
- Identify specific pediatric competency domains, competencies and milestones appropriate for assessment with an OSCE
- Assess intern performance in actual OSCE video clips using the pediatric milestones as a scoring rubric and discuss differences among faculty observers
- Analyze the faculty development needs for faculty who participate as case creators and case raters

Leader: Ashraf Harahsheh, Co-Leaders: Mary Ottolini, Dewesh Agrawal, Cara Lichtenstein, Joseph Lopresto, Aisha Davis

The Next Accreditation System requires semiannual documentation of each resident’s attainment of milestones in each of 6 competency domains. There are a number of barriers that educators face in accumulating enough direct observations to reliably assess each resident’s progress. Objective Structured Clinical Examinations (OSCEs) can be constructed to help program directors gather data on select competencies using milestones as a performance assessment tool. The National Capital Consortium Pediatric Residency and Children’s National Medical Center have partnered to design and implement an intern OSCE to assess select pediatric milestones among 51 interns at the end of their intern year. This data served multiple purposes including: guiding curricular changes, reporting semiannual individual resident data, helping residents determine their future learning needs and contributing to the development of normative data regarding select milestones at this level of training. The workshop will begin with a brief overview of our rationale and experiences with designing and implementing an intern OSCE using milestone performance measures. Participants will then break into small facilitated groups to debate and discuss the benefits and limitations of using OSCEs for assessment and apply this knowledge to determining which competencies and milestones are best suited for assessment during an OSCE. Groups will then view actual videos of our recently completed intern OSCE to practice with the milestone rating scale and analyze differences between raters. To conclude, the group will discuss specific faculty development needs for a successful OSCE that uses select pediatric milestones as a scoring tool and its implications for faculty, clerkship and program directors.

2:45pm-4:45pm

1708  Get Part 4 MOC Credit for Your Quality Improvement Work! Navigating the American Board of Pediatrics Quality Improvement Project Approval Program
PAS Workshop
Vancouver Convention Centre - East 17

Target Audience: Quality Improvement champions at all levels, may be particularly useful for mid- and senior level faculty.

Objectives:
- Describe characteristics of successful Maintenance of Certification (MOC) Quality Improvement projects
- Learn to successfully complete an American Board of Pediatrics quality improvement project application
- Understand how to use the online MOC Activity Manager (MOCAM) system

Leader: Virginia Moyer, Co-Leaders: Vineeta Mittal, Kristi Johnson, Chuck Norlin

Organizations are already conducting outstanding quality improvement projects (QI) across the country, and many project leaders have found that Part 4 credit can be an important incentive for physician participation. However, many other projects leaders are not aware that they and other participating physicians can obtain MOC Part 4 credit for the important QI work that they are already doing. In this workshop, participants will hear how 3 successful project leaders have engaged physicians in QI at their hospitals or healthcare organizations. Participants will then work in small groups to complete a MOC project application, with direct assistance from ABP Staff. Staff will then demonstrate the use of the online submission and management system (MOCAM), and demonstrate the attestation process for assigning Part 4 credit. Workshop participants should come equipped with their current or recently completed project or project design, which will be used to complete an application. Participants with outstanding QI projects can expect to leave the workshop with very little left to do but click submit.

2:45pm-4:45pm

1710  Habits of Highly Successful Academicians: Making Your Grandmother (and Your Department Chair) Proud
PAS Workshop
Vancouver Convention Centre - East 14

Leader: Scott Borinstein, Co-Leaders: Joseph Gigante, William Cutter, Geoffrey Fleming, Jill Simmons

Target Audience: Trainees, Fellows, Junior Faculty, Mid-level Faculty, and Senior Faculty interested in professional development in academic medicine.

Objectives:
- Outline the attributes and habits of academic physicians that can impact how they are perceived by their peers
- Discuss common political pitfalls in academia, and how to effectively navigate them
- Review successful and unsuccessful behaviors of professional networking and practice the delivery of a successful Elevator Speech
Physicians are rigorously trained in medical school and residency to project professionalism to their patients. However, little time is spend teaching how to best present oneself in the world of academic medicine. The goal of this workshop is to identify key qualities of successful academic physician leaders and to help workshop participants develop techniques to improve how they are perceived by their colleagues. The workshop will address important concepts of professionalism, both general and specific to the world of academic medicine. Using a combination of didactic, case-based, and small group learning techniques, important concepts of professionalism and communication will be addressed.

2:45pm-4:45pm  
1712  Leadership Challenge: Finding Your Way along the Leadership Path  
PAS Workshop  
Vancouver Convention Centre – West 203

Target Audience: Students/residents, fellows/jr. faculty interested in determining their leadership style and how best to use it.

Objectives:  
- Identify personal leadership style and the challenges each style presents  
- Assess and apply interventions to address these challenges  
- Identify, discuss and apply the concept of 360º leadership in your role

Leader: Vickye Payton, Co-Leaders: Nancy Burse, Thomas Dewitt

This highly successful workshop has been an integral part of a Fellowship Core Curriculum at an academic medical center for several years. Beginning with a highly energetic video highlighting the leadership skills of the two-time Adventure Racing World Champion, Robyn Benincasa, this interactive workshop will commence with a discussion exploring what it means to be a leader, regardless of title. Individuals will complete a leadership style self-assessment relative to the concept of 360º leadership to understand the impact of self on leading their boss, peers and staff. Small break-out groups (4-6) will examine leadership styles so individuals can identify their natural preference and determine challenges as well as interventions to eliminate or lessen the impact of these challenges in their own work setting. To conclude, participants will complete the Five Critical Conversations tool to guide them in managing up more effectively.

2:45pm-4:45pm  
1714  Navigating the IRB Submission Process: Smooth Sailing vs Stormy Seas  
PAS Workshop  
Vancouver Convention Centre – West 215

Target Audience: Residents, Fellows, and Junior Faculty interested in clinical research.

Objectives:  
- Understand the rules and regulations regarding the different types of IRB submission  
- Identify strategies to minimize the risk to research participants  
- Describe the key components of a successful IRB application

Leader: Douglas Swanson, Co-Leader: Kathy Johnson

We will help participants navigate through the dos and don’ts of preparing a successful IRB application. The workshop will begin with an interactive exercise using an audience response system to gauge the participant’s knowledge of the purpose, composition, and function of an IRB, and their understanding of rules regarding the types of IRB review. Small groups will follow decision charts to review representative research proposals. We will have a group discussion sharing examples of IRB submission successes and failures, dos and don’ts, and practicalities of the process. Clinical investigator resources, strategies to minimize risk, and common pitfalls will be discussed, including a review of past governmental warning letters. We will conclude with an Ask the IRB Q and A session for workshop leaders. Participants will receive toolkit materials on a CD containing research decision charts, a compilation of principles for a good IRB submission, and a list of common IRB proposal misperceptions. By the end of the workshop, participants will learn key components of a successful IRB application and leave with tools to submit a high quality IRB research proposal.

2:45pm-4:45pm  
1716  New Life-Saving Devices: The Tablet Computer Revolution  
PAS Workshop  
Vancouver Convention Centre – East 13

Target Audience: medical students, residents, faculty interested in medical education, clerkship directors, program directors, hospitalists.

Objectives:  
- Participants will describe 2 easily accessible methods for employing tablet computers in milestone tracking and evaluation of medical students and residents  
- Participants will explore and practice 3 interactive educational uses of tablet computers for medical learners (medical students, pediatric residents) and faculty  
- Participants will identify and commit to future use of 2 innovative administrative strategies for tablet computer use by pediatric clerkship directors and program directors

Leader: Kyra Len, Co-Leaders: Peter Di Rocco, Jennifer Di Rocco, Shilpa Patel

Medical devices in the classroom and on hospital wards are ubiquitous, with roughly one quarter of US medical schools now utilizing tablets for their medical students in lieu of textbooks and paper syllabi for coursework. Residency program leaders and clerkship directors are also enamored by the utility of a compact device that houses so much potential for educational and tracking purposes. However, it is time-consuming to sort through the myriad of choices. This interactive workshop will present useful, efficient, and innovative uses of tablet computers to streamline and improve medical education across the continuum. Content will address tracking feedback with milestones; teaching tools; remediation resources; logging of cases, procedures, and activities; exciting presentation formats and tools; engaging and interactive audience response systems; patient and family education resources; reflection; administrative documentation, communication, and scheduling. This workshop will benefit a wide audience including medical students, clerkship directors, pediatric residents, program directors, and medical educators at any level. The workshop will consist of hands-on trialing in small groups of different resources with the creation of a Tablet Bento Box (the name of our local Hawaiian boxed lunch) containing a variety of meaningful, “life-saving” morsels for the busy medical professional. Our facilitator team includes a clerkship director, program directors, and a department technology leader combining our direct experiences integrating tablet computers into clinical and medical education activities. Participants will leave the workshop with an armamentarium of ideas and applications specific to their institutions’ different needs.
Fostering Reflective Capacity in Your Learners

Objectives:
- Demonstrate skill in evaluating and giving meaningful feedback to learners
- List strategies to promote reflection 'in action' and reflection 'on action'
- Compare and contrast reflexive and reflective practice

Leader: Lavjay Butani, Co-Leaders: Michele Long, MacKenzi Hillard, Katy Welkie

The American health care system is facing financial crisis. Childrens hospitals are particularly vulnerable to declining revenue and cost pressures. We present our experience of successful programs, jointly developed and implemented by hospital leadership, staff and clinicians, that improve the value of care: high quality at the lowest appropriate cost. Progress in the transformation of health care from a “build and fill” model to an accountable stewardship model requires; cultural transformation; trust and collaboration; identification and engagement; and measurement with response. We will: 1. Review our institutional history of value engineering. 2. Introduce key clinical management tools including activity based accounting and Patient Tracker software that measure the delivery of care and identify opportunities for improvement, and 3. Provide examples of value improvement initiatives from concept through implementation, dissemination and evaluation. Examples include Evaluation of Febrile infants, Bronchiolitis and Early Recognition of Shock. Programs for Asthma management, Uncomplicated Appendectomy and the Comprehensive Management of Complex Patients.

The New EPA: Clearing Your Curricular Pollution

Objectives:
- Evaluate existing assessment tools for continued use
- Describe Entrustable Professional Activities (EPAs)
- Discuss the use of video as a tool for designing the ideal standardized work process
- Explain how multidisciplinary management teams, cost awareness, and process integration improve system performance

Leader: Edward Clark, Co-Leaders: Chris Maloney, Jeremiah Radandt, Katy Welkie

The New EPA: Clearing Your Curricular Pollution

Objectives:
- Describe Entrustable Professional Activities (EPAs)
- Develop EPAs linked to corresponding milestones using current rotation goals and objectives
- Evaluate existing assessment tools for continued use

Leader: Lynelle Boamah, Co-Leaders: Gregory Blaschke, Christine Johnson, Melissa Klein, Natalie Burman, Jamie Overbey

Implementation of competency-based curricula can be challenging and perceived as abstract by faculty. Entrustable Professional Activities (EPAs) enable faculty a concrete approach to aligning core competencies with discipline specific activities. This workshop will address how EPAs can streamline the evaluation process. Participants will be asked to bring goals and objectives of a curriculum in order to develop their own EPA. In small groups, participants will determine which pediatric milestones can be observed within the EPAs, which can be used to create a corresponding curricular evaluation. Participants will be asked to consider how existing assessment tools, such as mini-clinical evaluation exercises and multi-source feedback, relate to their EPAs. Our discussion will include lessons learned from a practical approach to implementation of EPAs at 3 variably sized programs. The workshop will provide participants a comprehensive approach to assessment within their programs.
**Work-Life Balance in Pediatrics: Tipping the Scale**

*PAS Workshop*

**Vancouver Convention Centre - West 116**

Target Audience: Fellows, junior and mid level faculty, and physician leaders interested in understanding work-life balance for themselves or their faculty/staff.

Objectives:
- To recognize how work-life balance in medicine influences individual physicians as well as the work environment
- To establish how the intersection of professional and personal roles and responsibilities influences work-life balance
- To develop potential strategies for improving satisfaction with work-life balance

Leader: JoAnna Leyenaar, Co-Leaders: Elisabeth Schainker, Lisa Capra

Much discussed and variably achieved, work-life balance is a determinant of both personal and career satisfaction and has implications for physician well being as well as patient-level outcomes and organizational stability. Work-life balance is often depicted as an equal-arm scale, an analogy that is difficult to operationalize as it implies that work and life are of equal weight and that they can be separated on two sides of a fulcrum. We will use individual self-reflective exercises and group discussions to explore concepts that are central to satisfaction between agency and health care provider, and placement changes makes this goal a daunting task. This year’s meeting will focus on these challenging issues faced by general pediatricians, and child abuse pediatricians as they provide healthcare to children placed into out of home placements.

Presenters: Megan Sandel and James Collins

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**Child Abuse**

*APA Special Interest Group*

**Vancouver Convention Centre - West 201**

Chairs: Philip V. Scribano, scribanop@email.chop.edu, and Wendy Gwirtzman

Children and adolescents placed into foster care remain with significant disparities in healthcare access, coordination and continuity, with ongoing challenges in achieving improved outcomes. The pediatrician is in a unique position to provide care, and to effectively advocate for the health and other patient needs; however, the complexity of the child welfare system, challenges in effective communication between agency and health care provider, and placement changes makes this goal a daunting task. This year’s meeting will focus on these challenging issues faced by general pediatricians, and child abuse pediatricians as they provide healthcare to children placed into out of home placements.

Presenters: Moira Szilagyi, Cindy Christian and Heather Forkey

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**Professionalism in the Age of Social Media**

*PAS Workshop*

**Vancouver Convention Centre – West 19**

Target Audience: Fellows, junior and mid level faculty, and physician leaders interested in promotion of professionalism and the use of social media.

Objectives:
- To develop potential strategies for improving satisfaction with work-life balance from the perspectives of both individual physicians and physician leaders.
- To establish how the intersection of professional and personal roles and responsibilities influences work-life balance
- To recognize how work-life balance in medicine influences individual physicians as well as the work environment
- To develop potential strategies for improving satisfaction with work-life balance from the perspectives of both individual physicians and physician leaders.

Leader: Rachel Dawkins, Co-Leaders: Julie Gallois, Beatrice Boateng, Bonnie Desselle

Physicians are utilizing social media with increasing frequency. Some experts have reported concerns that the current digital native generation of residents will apply guidelines about online professionalism differently that the older digital immigrant generation. But these younger generation blame the social media indiscretions? This workshop will look at various dilemmas faced by physicians and trainees as they navigate the social media and will challenge participants to develop social media policies for their institution. Participants will learn about published guidelines as well as about resident experiences with social media. Participants will discuss sample vignettes from a hypothetical physician on Facebook using an audience response system. Through small group discussion, participants will turn the broad guidelines into specific policy points that might be used in the development of institutional or departmental social media policies. By gaining a deeper understanding of some of the common professionalism pitfalls inherent in social media use, participants will be able to better educate their learners to avoid these mistakes.

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**Fellowship Training**

*APA Special Interest Group*

**Vancouver Convention Centre - West 219**

Chairs: Iris Wagman Borowsky, borow004@umn.edu, and Paul Darden, paul-darden@ouhsc.edu

The Fellowship Training SIG welcomes and encourages all fellowship faculty, fellows, graduates of fellowship programs, and anyone passionate about fellowship training to participate in this informative and interactive session.

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**Pediatric Emergency Medicine Program Directors**

*APA Special Interest Group*

**Vancouver Convention Centre - West 114**

Chair: Halim Hennes, halim.hennes@childrens.com

The session will discuss two topics:
1. Performance improvement in the pediatric emergency department; how to develop and sustain
2. Can PEM physicians survive the changes in the healthcare system.

Presenters: Naghma Khan, Doug Nelson
5:00pm-6:30pm
1775  **PAS/ASPR Opening General Session**
Vancouver Convention Centre – West Ballroom A

Chair: D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:00  **PAS Welcome**
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:05  **ASPR Welcome**
Keiichi Ozono, President of the 10th Congress of the Asian Society for Pediatric Research

5:10  **Introduction of Joseph W. St. Geme, Jr. Leadership Award**
Alan L. Schwartz, President, American Pediatric Society; Harriet B. Spoehrer Professor and Chair, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO

**Introduction: Joseph W. St. Geme, Jr. Leadership Award**
Marshall L. Land, Jr., R. James McKay, Jr., MD, Green & Gold Professor of Pediatrics, University of Vermont College of Medicine and Vermont Children’s Hospital, Burlington, VT

**Joseph W. St. Geme, Jr. Leadership Award**
Lewis R. First, Professor and Chair, Department of Pediatrics, University of Vermont College of Medicine, Chief of Pediatrics, Vermont Children’s Hospital at Fletcher Allen Health Care, Burlington, VT

5:40  **Introduction: Keynote Address**
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:45  **Keynote Address: From Discovery to Delivery: Innovations and Impact in Global Health**
Chris Elias, President, Global Development Program, Bill & Melinda Gates Foundation, Seattle, WA

*The Joseph W. St. Geme, Jr. Leadership Award is presented by the Federation of Pediatric Organizations on behalf of the Academic Pediatric Association, American Academy of Pediatrics, American Board of Pediatrics, American Pediatric Society, Association of Medical School Pediatric Department Chairs, Association of Pediatric Program Directors and Society for Pediatric Research.

6:45pm-8:00pm
1800  **PAS/ASPR Presidential and New Member Reception**
Vancouver Convention Centre – West Ballroom D

7:00pm-10:00pm
1850A  **Pediatric Endocrine Society (PES) Speakers’ Dinner**

7:30pm-8:45pm
1900A  **Neonatal Hemodynamics Club**
Hayatt Regency Vancouver – Regency D - F

Target Audience: Neonatologists, cardiologists, pediatric intensivist and obstetricians involved in the care of the newborn and translational and clinical researchers interested in developmental cardiovascular physiology and the role of delayed cord clamping in affecting transitional hemodynamics and brain injury in very preterm neonates during the transitional period.

**Objectives:**
- Transitional cardiovascular physiology and delayed cord clamping
- Effects of delayed cord clamping on systemic and pulmonary hemodynamics in animal models and preterm neonates
- Hemodynamics and clinically relevant effects of delayed cord clamping in very preterm neonates

Chair: Istvan Seri, Keck School of Medicine USC, Los Angeles, CA

The Neonatal Hemodynamics Club addresses clinically relevant topics in neonatal-perinatal medicine with a special focus on developmental cardiovascular physiology and neonatal hemodynamics. Since its inception in 2004, experts in this field discussed novel, clinically relevant concepts in developmental cardiovascular physiology, gave insights into the pathophysiology and treatment of neonatal shock and relative adrenal insufficiency, examined the changes in cerebral oxygenation during neonatal transition, discussed persistent patent ductus arteriosus, persistent pulmonary hypertension of the neonate and novel approaches of imaging of the structure and function of the developing heart, identified the clinically relevant factors affecting myocardial function during transition, and presented data on the hemodynamic antecedents of P/IVH. The Hemodynamics Club in 2013 will discuss the cardiovascular physiology of neonatal transition with a special focus on timing of cord clamping and examine the changes in transitional hemodynamics associated with and the clinical relevance of delayed cord clamping in very preterm neonates.

7:40  **Physiology of the Circulatory Transition with Special Focus on the Impact of the Timing of Cord Clamping**
Stuart B. Hooper, Monash Institute of Medical Research, Clayton, Victoria, Australia

8:10  **The Clinical Rationale of Delayed Cord Clamping**
Martin Kluckow, Royal North Shore Hospital, St Leonards, NSW, Australia

8:40  **Discussion**
Contact for information:
Istvan Seri
Children’s Hospital Los Angeles and Women’s and Children’s Hospital, University of Southern California
Phone: 323-361-5932
Email: iseri@chla.usc.edu

8:00pm-9:30pm
1950A  **ASPN Member Reception**
Hayatt Regency Vancouver – Perspectives Level: Cypress, Stanley, Grouse & Seymour
Adolescence is a formative and pivotal time of life for both our patients and their families. If you are a fellow or junior faculty, considering a career in adolescent medicine, or want to learn what the field is about, please join Dr. Alderman to learn about this multi-faceted specialty and how rewarding a career in adolescent medicine can be.

**Adolescent Medicine Meet the Professor**

Elizabeth Alderman, Children’s Hospital at Montefiore, Bronx, NY

7:00am-8:00am

**2022 Academic Careers in Bioethics: From the Margin to the Mainstream**

This session, designed for residents, fellows and junior faculty, will discuss the increasing number of pathways for training in bioethics and the options for an academic focus in bioethics scholarship, teaching and consultation within Pediatric Departments. Training options include dedicated fellowships, combined fellowships with subspecialty training, certificate programs, MA programs, career development awards, and focused mentorship. Career options for academic scholarship depend on the desired balance of clinical/education time and research time.

**Bioethics Meet the Professor**

Benjamin S. Wilfond, University of Washington, Seattle, WA

7:00am-8:00am

**2024 Building a Career in Health Services and Health Policy Research**

Dr. Schuster will discuss issues related to starting and sustaining a career in health services and health policy research. He will address questions about selecting a research topic, working with mentors, completing a study, seeking funding, disseminating results, and finding a job.

**General Pediatrics Meet the Professor**

Mark A. Schuster, Boston Children’s Hospital, Boston, MA

7:00am-8:00am

**2026 Meet the Professor: Developmental-Behavioral Pediatrics in Promoting a Bio-Psycho-Social Approach to Medicine**

The session will be a discussion about the challenges of taking an integrated approach to health. It will include both direct patient care as well as addressing systems of care and how changes in the healthcare system may impact it.

**Developmental-Behavioral Pediatrics Meet the Professor**

Mark L. Wolraich, University of Oklahoma/PedsDB, Oklahoma City, OK

7:00am-8:00am

**2030 Pediatric Hospital Medicine Programs – How Do You Measure Success?**

Vincent W. Chiang, Boston Children’s Hospital, Boston, MA

7:00am-8:00am

7:00am-8:00am

**2032 Pediatric Infectious Diseases: Challenges and Opportunities**

Octavio Ramilo, Nationwide Children’s Hospital, Columbus, OH

7:00am-8:00am

**2034 Educating Physicians for the 21st Century: Opportunities and Challenges of a Career in Medical Education**

**Hematology/Oncology Meet the Professor**

Daniel C. West, University of California San Francisco, San Francisco, CA

7:00am-8:00am

**2036 Getting Started in Academic Neonatology: Balancing Scholarly Activity and RVUs**

Ann R. Stark, Vanderbilt University Medical Center, Nashville, TN

7:00am-8:00am

**2038 Meet the Professor: Neonatology: The Physician Scientist: A Blueprint for Success**

A blue-print for the Successful Physician Scientist. Physician-scientists have always brought a unique perspective to biomedical research that is inspired
by their personal experience in caring for patients, yet physician-scientists are increasingly being considered “endangered”. This workshop will focus on strategies to increase success in the current climate of decreased funding and increased clinical expectations.

Neonatology Meet the Professor
Rebecca Anne Simmons, Children’s Hospital Philadelphia/UPENN, Philadelphia, PA

7:00am-8:00am
2040 Pediatric Nephrology: A Challenging and Rewarding Career Choice
PAS Meet the Professor Breakfast
Pan Pacific Vancouver - Pacific Rim 1

This session, designed for fellows and junior faculty, will explore issues related to pursuing an academic career in pediatric nephrology. Topics will include the spectrum of clinical disease in this field and choosing your area of focus. We will also discuss balancing your research career with clinical demands. Lastly, we will discuss why pediatric nephrology as a specialty provides exciting opportunities for the academic clinician. Questions and discussion will be encouraged.

Nephrology
Barbara Fivush, Johns Hopkins University, Baltimore, MD

7:00am-8:00am
2042 Meet the Professor: Neurology
PAS Meet the Professor Breakfast
Pan Pacific Vancouver - Gazebo I

Meet the Professor: Neurology
Taeun Chang, Children’s National Medical Center, Washington, DC

7:00am-8:00am
2044 Conducting Community Engaged Research - Applying Mixed Methods to Improve Health Outcomes
PAS Meet the Professor Breakfast
Pan Pacific Vancouver - Oceanview 4

Often individuals see they need to build skills in either qualitative or quantitative methods. Community engaged research is one of those special research niches that benefits from the combination of the two. Dr. Barkin will discuss how community engaged research can fit within academic expectations by working in new ways.

Conducting Community Engaged Research - Applying Mixed Methods to Improve Health Outcomes
Shari L. Barkin, Vanderbilt University, Nashville, TN

7:00am-8:00am
2046 Meet the Professor: Pulmonology
PAS Meet the Professor Breakfast
Pan Pacific Vancouver - Pacific Rim 2

Pulmonology
Marie E. Egan, Yale University, New Haven, CT

7:00am-8:00am
2048 Public Health and Healthcare Quality
PAS Meet the Professor Breakfast
Pan Pacific Vancouver - Coal Harbour Suite

This session will be participant-focused on topics spanning the application of quality improvement (QI) principles in public health, building the local capacity for QI interventions, and opportunities for partnerships and career development in QI research. What are states and regions doing to support QI in clinical care and public health? Where are the opportunities and intersections for collaboration? Does health reform provide more or fewer opportunities for careers in public health and healthcare quality?
Judith S. Shaw, University of Vermont, Burlington, VT

7:00am-8:00am
2050 APA Past Officers’ Breakfast
Fairmont Waterfront Vancouver - Princess Louisa Suite

7:00am-8:00am
2075A Practice Management: Challenges to Traditional Management of Pediatric Endocrinology – Session 2
PES Practice Workshop
Vancouver Convention Centre - West 220

The effects of the ACA on the practice and office of the Pediatric Endocrinologist: William B. Zipf A lot is being written about the impact the ACA will have on the patient but little is being written on the impact the ACA will have on medical care coverage. There are key differences with the way the ACA will manage physician reimbursement to the physician that can have a major impact on the resources the endocrine program will have. These differences will be reviewed with recommendations. Empowering the Pediatric Endocrinologist: The Essential Vocabulary: Mark Parker MD To be part of the “conversation” occurring around the balance of “optimal patient care” vs “cost of care” it is critical that physician know the language. Without this basic vocabulary the physician will be on the outside and have little or no effective input. The physician needs to have a basic understanding of the economic terminology and processes involved in moving from patient registration to payment for services. Only in this way will the physician know what they do and do not have influence over. They equally need to understand what others in the system have control over that ultimately influence they resources they have.

Panel Discussion with Q&A.

7:00 The Effects of the ACA on the Practice and Office of the Pediatric Endocrinologist
William B. Zipf, Central Ohio Pediatric Endocrinology & Diabetes Services, Columbus, OH

7:20 Empowering the Pediatric Endocrinologist: The Essential Vocabulary
Mark W. Parker, Carolinas HealthCare System, Charlotte, NC

8:00am-9:00am
2080A Transitioning from Fellowship – Dollars and Sense
PES Practice Workshop
Vancouver Convention Centre - West 221

Lynne L. Levitsky, Harvard Medical School, Boston, MA

8:00am-10:00am
2100 Adults Born Preterm International Collaboration (APIC) – A Model to Understand Early Programming of Adult Health and Disease
PAS Topic Symposium
Vancouver Convention Centre - West 109

Target Audience: This symposium will appeal to clinicians and scientists of all disciplines, in particular those involved in longitudinal follow-up of children born preterm; those who are interested in Developmental Origins of Health and Disease (DOHAD); and those who are involved in pooling of data across studies.

Objectives:
- To highlight the methodological challenges associated with studying the fetal origins of disease and pooling of individual participant data across studies
- Present the experience of the APIC sub-studies of blood pressure, cardio-metabolic and mental health as examples of pooling data set
- To attempt to uncover mechanisms that link early life events with health and disease by studying adults born preterm

Chair: Saroj Saigal, McMaster University, Hamilton, ON, Canada
Infants born very preterm are exposed to a variety of adverse conditions. However, the limited number of subjects in individual cohorts has not allowed the exploration of these risk or protective factors. Pooled dataset can allow investigators to illustrate the mechanisms that link early life events with subsequent health and disease. This session will highlight practical obstacles related to pooling of data across cohorts, and ways to overcome such obstacles. The multi-disciplinary APIC collaboration allows us to explore mechanisms that link conditions during fetal life or infancy with cardio-metabolic and mental health throughout life. To make a full contribution to the DOHAD hypothesis, these multi-centre studies must use optimum methodologies and examine the impact of all potential confounders. Studying the relationships in young adults born pre-term with severe perinatal adversity will contribute to our understanding of the life-course trajectories, and will ultimately assist in the development of primary prevention programs.

8:00 Strengths and Limitations in Studies on Adult Outcomes of Preterm Infants
Saroj Saigal, McMaster University, Hamilton, ON, Canada

8:10 Factors to Consider in Studying the Purported Fetal Origins of Disease
Nigel Paneth, Michigan State University, East Lansing, MI

8:35 Pooling of Individual Level Data across Cohort Studies – Practical Issues, Illustrated by APIC Blood Pressure Sub-Study
Petteri Hovi, THL, Helsinki, Finland

8:50 Cardio-Metabolic Health in Adults Born Preterm
Katherine M. Morrison, McMaster University, Hamilton, ON, Canada

9:05 Mental Health Outcomes in Adults Born Preterm
Katri Raikonen, Institute of Behavioural Sciences, Helsinki, Finland

9:20 Can We Uncover Mechanisms That Link Early Life Events with Health and Disease by Studying Adults Preterm?
Eero Kajantie, National Institute for Health and Welfare, Helsinki, Uusimaa, Finland

9:40 Discussion

Jointly sponsored by the Consortium Child Health Oversight Committee and the Pediatric Academic Societies

8:00am-10:00am

2105 Firearm Injury Prevention in Children: Setting the Research Agenda
PAS Topic Symposium
Vancouver Convention Centre - West 121-122

Target Audience: This will be of interest to physicians and scientists in the following areas: General Pediatrics, Adolescent Medicine, Community Pediatrics, Behavioral and Developmental Pediatrics, Child Psychology/Psychiatry.

Objectives:
- Identify gaps in evidence necessary for effective prevention of firearm injuries in children and youth
- Create a research agenda for pediatric firearm injury prevention
- Describe strategies to evaluate clinically based patient and family firearm safety counseling

Chairs: David M. Jaffe, Washington University in St. Louis School of Medicine, Saint Louis, MO, and Barbara J. Stoll, Emory University School of Medicine and Children’s Healthcare of Atlanta, Atlanta, GA

The mass shooting of 20 children and 6 of their teachers in Newtown, in December 2012 was a harsh reminder that firearm injuries represent a significant public health problem for American children. An estimated 20,600 youth age 1-24 sustain firearm injuries annually and 6,570 die. Firearm injuries cause twice as many deaths as cancer, 5 times as many as heart disease and 20 times as many as infections in this age group. Recently, President Obama lifted a congressionally imposed ban on firearm injury research and called for new funding. However there are significant gaps in evidence attributable to historical research barriers. Domains particularly important to children include epidemiology and risk factors, firearms and self-defense, preventable accidental injury and suicide, and evaluation of office based counseling. This symposium is designed to address the research agenda for firearm injury prevention, with a focus on children.

8:10 Epidemiology of Firearm Injuries and Deaths in Children and Youth: What Are the Risk Factors?
M. Denise Dowd, Children’s Mercy Hospitals and Clinics, Kansas City, MO

8:35 Gun Availability: Protective or Perilous?
Douglas Wiebe, University of Pennsylvania, Philadelphia, PA

9:00 Suicide and Accidental Firearm Injuries
Matthew Miller, Harvard School of Public Health, Boston, MA

9:25 Talking about Guns with Patients: Evaluating Counseling Strategies
Robert D. Sege, Boston University / Boston Medical Center, Boston, MA

9:50 Discussion

8:00am-10:00am

2115A PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data
PES Symposium
Vancouver Convention Centre - West 301-305


Target Audience: Endocrinologists, general pediatricians.

Objectives:
- Discuss data behind the effectiveness of GnRH agonist therapy for short stature
- Understand the clinical rationale and setting for using sex steroid therapy in short stunted children
- Debate the merits and risks of using aromatase inhibitors in a short stunted child

Pharmacologic strategies to augment height outcomes in the adolescent population remains a controversial area. Androgens, estrogens, aromatase inhibitors and GnRH agonists are being prescribed, often with limited published data, to alter the normal hormonal milieu in adolescents with a goal of either limiting or enhancing adult height. This symposium will explore the available data on the safety, cost, and effectiveness of these therapies.

8:00 Oxandrolone, Testosterone and Estrogens: The Short and the Long.
Alan D. Rogol, University of Virginia, Charlottesville, VA

8:35 GnRH Analogs: Beyond Precocious Puberty
Erica Eugster, Riley Children’s Hospital, Indianapolis, IN

9:10 Aromatase Inhibitors: Estrogen Suppression in Adolescent Males - A Current Review of Efficacy and Safety
Nelly Maura, Nemours Children’s Clinic, Jacksonville, FL

9:40 Panel Discussion

8:00am-10:00am

2120 Special Nutritional Considerations for the Critically Ill Preterm Neonate
PAS Topic Symposium
Vancouver Convention Centre - West Balloon B

Target Audience: Scientists and clinicians involved with nutritional care of critically ill and physiologically unstable preterm infants.

Objectives:
- Describe concepts about mechanisms responsible for how critical illness and physiological instability adversely impact metabolism and growth in preterm infants
- Consider research needed about reducing negative impacts of illness and physiological instability and optimizing nutritional treatments in sick preterm infants
- Offer practical guidance to improve nutrition of the sick, unstable preterm infant to optimize metabolism and promote growth

www.pas-meeting.org 137
Catheter Ablation to Prevent Sudden Cardiac Death in Children
Mei-Hwan Wu, National Taiwan University Hospital, Taipei, Taiwan

Prognosis of Ventricular Tachycardia in Children
Eun-Jung Bae, Seoul International University Hospital, Seoul, Korea

Risk of Sudden Death with Genetic Arrhythmia in Children
Jeffrey A. Towbin, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

Trans-Placental Treatment of Fetal Tachyarrhythmia
Yasuki Maeno, Kurume University School of Medicine, Kurume, Fukuoka, Japan

8:50 Long QT Syndrome in Fetal, Neonatal, and Infantile Periods
Hitoshi Horigome, University of Tsukuba, Tsukuba, Japan

9:15 Risk of Sudden Death with Genetic Arrhythmia in Children
Jeffrey A. Towbin, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

9:40 Novel Approaches to PDA Closure
Cathy Hammerton, Shaare Zedek Medical Center, Jerusalem, Israel

Jointly sponsored by the American Pediatric Society, Society for Pediatric Research and the Pediatric Academic Societies
Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report

PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Clinicians involved in the care of children in both primary care settings and also in referral settings for evaluation and management of children and adolescents noted to have elevated BP.

Objectives:
- To review the USPSTF Task Force Report
- To understand the impact of the report on the care of children
- To allow for open dialogue and better understanding of how to interpret the conclusions of this report

Chair: Donald Lee Batisky, Emory Children’s Center, Atlanta, GA

In 2013, the US Preventive Services Task Force declared there was no direct evidence that screening for hypertension in children and adolescents reduces adverse cardiovascular outcomes in adults. There have been substantial concerns on how this report and recommendations of the USPSTF on blood pressure (BP) screening will be interpreted by primary care clinicians and stakeholders in child health. Measurement of BP beginning at age three has been recommended since 1977. Reduction of cardiovascular events in adults has never been a primary rationale for BP measurement in children. The purpose has been to identify asymptomatic secondary hypertension and to identify children with heightened risk for primary hypertension. Clearly there is not only a need for better understanding of evidence gaps in the area of hypertension in children, but also a need for more research in this area. This session will allow for debate and discussion on this timely topic.
11:45 Flocked Rectal Swabs Increase the Molecular Detection of Bacterial Enteropathogens When Compared To Bulk Stool Samples Collected From Children Admitted With Diarrhea. David M. Goldfarb, Andrew P. Steenhoff, Jeffrey M. Pernica, Sylvia Chong, Kathy Luinstra, Margaret Mokomane, Loeto Mazhani, Isaac Quaye, Irene Goercke, James Mahony, Marek Smieja.

Publication 3385.6

12:00 Clinical Course of Pertussis Due To Pertactin-Negative Variants and Wild-Type Strains Is Similar. Jennifer Vodzak, Emily Souder, Anne Marie Queenan, Alan T. Evangelista, Sarah S. Long.

Publication 3385.7


Publication 3385.8

8:00 - 10:00 am

2165 Media & Technology Platform

Vancouver Convention Centre - Room East Ballroom A

Chairs: Aaron Carroll and Lewis First

8:00 Television in the Bedroom Is Associated With Increased Adiposity Gain in a Nationally Representative Sample of Adolescents. Diane I. Gilbert-Diamond, Zhigang Li, Anna M. Adachi-Mejia, Auden C. McClure, James D. Sargent.

Publication 2165.1


Publication 2165.2


Publication 2165.3

8:45* Cyberbullying and Depression Among Female College Students: A Multisite Study. Ellen Selkie, Rajitha Kota, Megan Moreno.

Publication 2165.4


Publication 2165.5

9:15* A Longitudinal Evaluation of Problematic Internet Use (PIU) Symptoms in Older Adolescents. Lauren A. Jelenchick, Dimitri A. Christakis, Megan A. Moreno.

Publication 2165.6


Publication 2165.7

9:45 A Randomized Controlled Trial Comparing Ultrasound, VeinViewer and Standard Approach To Peripheral Intravenous Catheter Placement in the Pediatric Emergency Department. Sarah J. Curtis, William Craig, Erin Logue, Ben Vandermeer, Amanda Hanson, Terry Klassen.

Publication 2165.8


**Daily Programming**

**PAS/ASPR 2014**

**Vancouver**

8:00am - 10:00am

**2170**  
**Obesity & Disordered Eating I**  
Platform  
Vancouver Convention Centre - Room West 220

Chairs: Rachel Gross and John Rausch

8:00  
**Motivational Interviewing Effect on Overweight Children’s Diet, Activity and Media Use at 2 Year Follow-Up.**  
A. Bocian,  
K. Resnicow, D. Harris, R. Schwartz, L. Snetselaar, E. Myers,  
J. Gotlieb, S. Woolford, R. Wasserman.  
*Publication 2170.1*

8:15  
**Can Pediatricians Implement Motivational Interviewing in Office Practice?**  
D. Harris, K. Resnicow, A. Bocian, R. Schwartz, L. Snetselaar, E. Myers,  
J. Gotlieb, S. Woolford, R. Wasserman.  
*Publication 2170.2*

8:30*  
**Fitness Effects of CDC Physical Activity Strategies Are Limited and Vary by Gender.**  
Tasa S. Seibert, Aaron L. Carrel, Jens C. Eickhoff,  
John B. Bowser, David B. Allen.  
*Publication 2170.3*

8:45  
**Lifestyle Behavior Changes after 4 Years in Adolescents in the MATCH Intervention Compared To Control.**  
Suzanne Lazardick,  
Xiangming Fang, George T. Hardison, Yancey Crawford, Lauren Needell, Alexis Barnett.  
*Publication 2170.4*

9:00  
**Adolescent Us of the Built Environment for Physical Activity.**  
Nicolas Oreskovic, Alyssa Robinson, Joseph Locascio, James Perrin,  
Minghua Chen, Elizabeth Goodman.  
*Publication 2170.5*

9:15*  
**Maternal Obesity and Development of the Preterm Newborn at 2 Years.**  
Jelise W. van der Burgh, T. Michael O’Shea, Karl Kaban,  
Elizabeth N. Allred, Olaf Dammann, Alan Leviton.  
*Publication 2170.6*

9:30*  
**Cardiometabolic Factors Correlate Between Parents and Children, Independent of Obesity.**  
Tanya L. Halvorsen, Antoinette Moran,  
Lyn M. Steffen, Alan R. Sinaiko, David R. Jacobs, Julia Steinberger.  
*Publication 2170.7*

9:45  
**BMI Mediates the Effects of Low Income on Preschool Children’s Executive Control and Behavioral Adjustment.**  
Pooja S. Tandon, Stephanie Thompson, Lyndsey Moran, Liliana Lenga.  
*Publication 2170.8*

8:00am - 10:00am

**2175**  
**Optimizing Care for Children with Special Health Care Needs**  
Platform  
Vancouver Convention Centre - Room West 223-224

Chairs: Dennis Kuo and Ruth Stein

8:00  
**Evolving from Reactive To Proactive Lead Prevention: Diagnosis of Community Lead Loading in New Orleans.**  
Howard W. Mielke.  
*Publication 2175.1*

8:15*  
**College Health Service Capacity To Provide Care To Students With Chronic Medical Conditions: A National Survey.**  
Diana C. Lemly, Katherine Lawlor, Emily A. Blood, Skyley Kelemen,  
Elissa R. Weitzman.  
*Publication 2175.2*

8:30  
**Parental Preferences for Shared Decisionmaking in Children With Special Health Care Needs.**  
Jennifer K. Walter, Folasade Odeniyi, Jennifer Faerber, Alex Fiks, Victoria Miller, Chris Feudtner.  
*Publication 2175.3*

8:45  
**Multiple Perspectives of Medical Home and Associated Outcomes Among Low-Income Children With Chronic Conditions.**  
Jean L. Raphael, W. Carl Cooley, Marc A. Kowalkowski,  
Angelo P. Giardino, Thomas P. Giordano.  
*Publication 2175.4*

9:00*  
**The Patient-Centered Medical Home: Comparing Caregiver Perceptions of Primary Care To Specialty Practices.**  
Emily B. Vander Schaaf, Elisabeth P. Dellon, Rachel A. Carr, Neal A. de Jong, Michael J. Steiner.  
*Publication 2175.5*

9:15  
**A Family-Centered Approach To Coordination Across the Care Continuum for Children With Medical Complexities.**  
*Publication 2175.6*

9:30  
**Missed Work and Job Loss Among Caregivers of Children With a Chronic Illness.**  
Michael J. Steiner, Neal A. de Jong, Rachael A. Carr,  
Elisabeth P. Dellon.  
*Publication 2175.7*

9:45  
**Patient at Risk: Development of a Web Based Emergency Information Form (EIF) for Children and Youth With Special Health Care Needs (CYSHCN) in the State of Wisconsin.**  
Kathleen R. Beckmann, Kristina Manke, Marlene Melzer.  
*Publication 2175.8*

8:00am - 10:00am

**2180**  
**Pharmacology**  
Platform  
Vancouver Convention Centre - Room East 11

Chairs: Tamorah Lewis and Kelly Wade

8:00  
**Effect of Parenteral Nutrition Component Shortages on Neonatal Mineral Administration and Toxin Exposure.**  
Peter J. Porcelli, Amy P. Holmes.  
*Publication 2180.1*

8:15*  
**Pharmacokinetics of Oral Methadone in the Treatment of Neonatal Abstinence Syndrome.**  
*Publication 2180.2*

8:30*  
**Ontogeny and Genetic Variation of VKORC1, CYP2C9 and CYP4F2 in Pediatric Liver.**  
Alyson K. Baker, Roger Gaedigk, J. Steven Leeder.  
*Publication 2180.3*

8:45*  
**Evaluation of the BPCA Priority List: Are Drug Priorities Reflective of Clinical Need in Hospitalized Infants?**  
Martyn Gostelow, Nidhi Tripathi, Daniel K. Benjamin, Jr,  
Christoph P. Hornik, Michael Cohen-Wolkowiez, Reese Clark,  
Matthew M. Laughon, Brian P. Smith.  
*Publication 2180.4*

9:00  
**Systemic and Ocular Pharmacodynamic Profiles of Single and Multiple Doses of Ketorolac Ophthalmic Solution (Acuvail) in Neonatal Rats.**  
*Publication 2180.5*

9:15  
**Design and Biologic Characterization of Novel Prostaglandin F2α (PGF2α) Receptor Modulators - Implications for Preterm Labor.**  
A. Claing, S. Laporte, W. Lubell, S. Chemtob.  
*Publication 2180.6*

9:30*  
**Impact of Pediatric Labeling Changes on Prescribing Patterns of Over-the-Counter Cough and Cold Medications.**  
Maryann Mazer-Amirshahi, Irit Rasooly, Gill Brooks, Jesse Pines,  
L. Snetselaar, E. Myers, J. Gotlieb, S. Woolford, R. Wasserman.  
*Publication 2180.7*

9:45  
**Home Medication Support for Childhood Cancer: Family-Centered Design and Testing.**  
Kathleen E. Walsh, Colleen Buggins, Christopher Keuer, Deb Blasko, Stephen M. Christiansen, Shira Fischer, Robert A. Klugman, Kathleen M. Mazor.  
*Publication 2180.8*
2185  Preterm Neonatal Imagery & Outcome
Platform
Vancouver Convention Centre - Room West Ballroom A
Chairs: Jeannie Cheong and Christopher Snyder
8:30*  Near-Infrared Spectroscopy To Assess Cerebrovascular Autoregulation in Infants With Necrotizing Enterocolitis. Trijntje E. Schat, Michelle E. van der Laan, Maarten Schurink, Jan B.F. Hulscher, Christiaan V. Hulzebos, Arend F. Bos, Elisabeth M.W. Kooi. Publication 2185.3
8:45*  Does Early Nutrition and Postnatal Growth Affect Cerebral Maturation in Preterm Infants? Caterina Coviello, Floris Groenendaal, Karina J. Kersbergen, Linda S. de Vries, Giuseppe Buonocore, Virgilio P. Carnielli, Manon J. Benders. Publication 2185.4
9:30  Altered Glutamatergic Fronto-Limbic Network Connectivity in Late Preterm Preadolescents. Ashok Panigrahy, Jessica L. Wiusnowski, SoYoung Choi, Rafael Ceschin, Nico Dosenbach, Stefan Bluml, Vincent J. Schmithorst. Publication 2185.7
9:45*  Cerebral Palsy Among Moderately and Late Preterm Infants. Mikko Hirvonen, Riitta Ojala, Paivi Korhonen, Paula Haataja, Kai Eriksson, Mika Gissler, Tiina Luukkaala, Outi Tammela. Publication 2185.8
8:00am – 10:00am
2190  Quality Improvement: Better Access to Care
Platform
Vancouver Convention Centre - Room West 212-213
Chairs: Vinessa Mittal and Arrundhace
8:00  Effect of a Newborn Access Program on Third Next Available Appointment and No-Show Rates in an Urban, Underserved Academic Healthcare Center. Katie E. McPeak, Deborah A. Sandrock, David Cooperberg, Selima N. Shuler-Jenkins, Bruce A. Bernstein, Lee M. Pachter. Publication 2190.1
8:15  Evaluation of a Quality Improvement Intervention To Improve the Use of Telephone Interpretation. K. Casey Lion, Beth E. Ebel, Sarah Rafion, Chuan Zhou, Patty Hencz, Rita Mangione-Smith. Publication 2190.2
8:30*  Development of a Novel Mathematical Model To Optimize Emergency Department Staffing. Kenneth A. Michelson, Anne M. Stack, Richard G. Bachur. Publication 2190.3
8:45  Alleviating Emergency Department Crowding Through an Inpatient Streamlined Care Unit: A Lean-Guided Quality Improvement Project. Charlotte Moore Hepburn, Kate Langrish, David During, Maitreya Coffey. Publication 2190.4
9:30  Variation in Hospital Admissions Rates for Pediatric Emergency Departments. Florence Bourgeois, Michael Monuteaux, Anne Stack, Mark Neuman. Publication 2190.7
9:45  Decrease in Mental Health Patients’ Lengths of Stay Using a Dedicated Mental Health Team in the Pediatric Emergency Department. Neil G. Uspal, Lori E. Rutman, Ian M. Kodish, Russ Migita. Publication 2190.8
8:00am – 10:00am
2195  Serving Underserved Populations: Interventions To Address the Social Determinants of Health
Platform
Vancouver Convention Centre - Room West 214
Chairs: Iris Borowsky and Lolita McDavid
8:00*  Use of a Medically Supervised Injection Facility Among Drug-Injecting Street Youth. Scott E. Hadland, Kora DeBeck, Thomas Kerr, Paul Nguyen, Sabina Dobrer, Julio S. Montaner, Evan Wood. Publication 2195.1
8:15  Home Visitors as Prenatal In-Home Case Managers To Prevent Premature and Low Birth Weight Infants. Colleen A. Kraft, Elizabeth R. England. Publication 2195.2
8:30  A Randomized Trial of a Community Health Worker (CHW) Led Asthma Intervention: Preliminary Findings. Marina Reznik, Ellen J. Silver, Yudilyn Jaramillo. Publication 2195.3
9:30*  Utility of a Two-Item Depression Screener To Predict Healthcare Resource Utilization in Teen Mothers and Their Infants. Ben Fogel, Sion Kim Harris, Talia Engelhart, Joanne Cox. Publication 2195.7
9:45*  A Randomized Trial of In-Person vs. Telephone Interpretation in a Pediatric Emergency Department. Brennke K.P. Shah, David C. Brousseau, Raymond G. Hoffmann, Michael N. Levas. Publication 2195.8
**2210A Ethical Dilemmas in Pediatric Nephrology: A Case-based Approach**

ASPN Workshop
Vancouver Convention Centre - Room West 203

**Target Audience:** Nephrologists, ethicists, neonatologists.

**Objectives:**
- Review components of ethical decision making in clinical care
- Develop a framework for working through ethical dilemmas

**Co-Leaders:** Robert B. Ettinger, Douglas S. Dickema

Nephrologists face ethical dilemmas throughout the course of their career. These can include decisions on which patients to start on dialysis, how to work with patients/families with known non-adherence, and decisions about which patients should receive a kidney transplant. Some decisions are made on a local basis while others are addressed at a national level (i.e. organ allocation rules). This workshop will review the ethical principles and ideas that are required to make decisions about these difficult topics. Participants will then review and discuss 3 real life patient cases with ethical dilemmas that have been submitted by ASPN fellows.

**8:00 Practical Guide to Approaching Ethical Dilemmas in Clinical Practice**

Aviva Goldberg

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

**2222 Assessing Teaching Skills across the Medical Education Continuum: Development and Implementation of Objective, Measurable, and Skill-Based Tools**

PAS Workshop
Vancouver Convention Centre - East 14

**Target Audience:** Residents, fellows and faculty interested in medical education, evaluation or faculty development, residency or fellowship program/associate program directors.

**Objectives:**
- Examine the importance of competency based assessments for teaching skills across the medical education continuum and evaluate the current shortcomings
- Develop a systematic construct for designing and interpreting objective skill based assessment tools designed specifically to evaluate teaching skills (i.e. observed structured teaching evaluations (OSTE))
- Construct a plan to implement an objective assessment tool at your own institution

**Leader:** Melissa Klein, Co-Leaders: Jennifer O’Toole, Matt Zackoff, Thomas Dewitt, Karen Jerardi

Training medical providers to effectively and efficiently educate peers, learners, and patients is a critical component of medical education. Accurately measuring that effectiveness is an important component of any research on faculty development programs. The Accreditation Council for Graduate Medical Education (ACGME) and the American Board of Pediatrics Pediatric Milestones Project created a framework to assess and guide learning development. Sincerely one milestone focused on teaching, medical educators have the opportunity to critically appraise current tools and design innovative new methods for assessing teaching skills of faculty, fellows, and residents. In this highly interactive workshop, participants will discuss their program’s current metrics for assessing teaching competence and identify the challenges with these forms of assessment. Additionally, through review of examples, they will demonstrate the advantages of using objective, measurable, and actionable skill based tools to assess teaching skills. Participants will be guided in the design of an observed structured teaching evaluation (OSTE), an objective skill based assessment tool focused on attainment of teaching competence and mastery. Participants will then utilize the OSTE in real time assessment using video vignettes and experience the power of this type of assessment in providing learners with objective feedback and clear goals towards improvement. Finally, participants will develop a plan for implementing a transition to the use of an OSTE at their home institutions.

**8:00am-11:00am**

**2224 Closing the Quality Chasm: Developing Care Coordination Capacity and Measuring Its Performance**

PAS Workshop
Vancouver Convention Centre - East 16

**Target Audience:** Fellows, Junior and senior faculty interested in promoting care coordination activities and measurement.

**Objectives:**
- Identify existing resources for building capacity for care coordination
- Recognize facilitators and barriers faced by delivery systems currrently
- Develop strategies and tactics to employ these resources and build care coordination capacity

**Leader:** Richard Antonelli, Co-Leaders: Jane Turner, Thomas Kitzmner
Care coordination (CC) is a critical function of delivery systems aiming to achieve high value outcomes. Formal training in CC is strikingly rare. A multidisciplinary team, including families, pediatricians, social workers, nurses, and pediatric trainees, developed a standardized pediatric-specific CC curriculum which has now been implemented in several states and a variety of settings. Workshop faculty will describe the core components of this curriculum, how it was implemented and evaluated in each setting and highlight common themes across delivery systems. The experience of CC training in a resident training program will also be highlighted. Strategies to measure the effectiveness of care coordination will be emphasized. Participants will form small groups and work with faculty who will facilitate discussions with the goal that each participant will leave with a strategy for increasing CC capacity at home. Before closing, the presenters will bring participants together to share the key lessons across groups. Care coordination (CC) is a critical function of delivery systems aiming to achieve high value outcomes. Formal training in CC is strikingly rare. A multidisciplinary team, including families, pediatricians, social workers, nurses, and pediatric trainees, developed a standardized pediatric-specific CC curriculum which has now been implemented in several states and a variety of settings. Workshop faculty will describe the core components of this curriculum, how it was implemented and evaluated in each setting and highlight common themes across delivery systems. The experience of CC training in a resident training program will also be highlighted. Strategies to measure the effectiveness of care coordination will be emphasized. Participants will form small groups and work with faculty who will facilitate discussions with the goal that each participant will leave with a strategy for increasing CC capacity at home. Before closing, the presenters will bring participants together to share the key lessons across groups.

**Objective:**
Understand the role of decision analytic modeling in generating comparative effectiveness research and decision analysis.

**Target Audience:** Trainees, fellows, junior faculty, mid-level or senior faculty who are interested in an introduction to comparative effectiveness research and decision analysis.

**Objectives:**
- Review current definitions of comparative effectiveness
- Learn the basics of decision analysis, including how to develop and analyze simple decision analysis models
- Understand the role of decision analytic modeling in generating comparative effectiveness information for pediatric interventions

**Leader:** Stephen Downs, Co-Leaders: S. Maria Finnell, Lisa A. Prosser

This workshop will provide an introduction to the concepts of comparative effectiveness research and decision analysis. The challenges of conducting comparative effectiveness research for pediatric health interventions will be discussed. Participants will build and analyze a simple decision analytic model. Participants will also have a brief introduction to more advanced decision analysis topics, such as more complex modeling techniques approaches and the use of decision analytic models to generate comparative and cost-effectiveness evidence, through a case study example. Participants should bring their own laptops.

**Target Audience:** Residents, fellows and faculty interested in improving teaching through workshop presentations.

**Objectives:**
- Describe the purpose of an educational workshop
- Identify features of successful workshops
- Develop and present a successful workshop presentation

**Leader:** Jennifer Crotty, Co-Leaders: Deborah Weyer, Elisa Zenni, Marilyn Dumont-Driscoll, Teri Turner, John Olsson

Have you ever wished that you could present a great workshop at a national meeting like PAS? We can help you create your very first workshop, or turn your good workshop into a great one! During this interactive workshop, we will review key attributes of successful workshops, while taking note of those attributes which might make your workshop idea better. During this workshop, leaders will model some of the techniques that can be used to engage learners, including think-pair-share, small group discussion, brainstorming, and preparing a proposal with individual mentoring and feedback. A resource toolkit will be provided to assist you in this and your future efforts. You will have an opportunity to work alone or with a small team to develop a proposal, receive feedback on your proposal, and leave ready to complete your proposal in time to submit it for the 2015 PAS meeting. Have you ever wished that you could present a great workshop at a national meeting like PAS? We can help you create your very first workshop, or turn your good workshop into a great one! During this interactive workshop, we will review key attributes of successful workshops, while taking note of those attributes which might make your workshop idea better. During this workshop, leaders will model some of the techniques that can be used to engage learners, including think-pair-share, small group discussion, brainstorming, and preparing a proposal with individual mentoring and feedback. A resource toolkit will be provided to assist you in this and your future efforts. You will have an opportunity to work alone or with a small team to develop a proposal, receive feedback on your proposal, and leave ready to complete your proposal in time to submit it for the 2015 PAS meeting.

**Target Audience:** Residents, fellows and faculty interested in educational assessment methods.

**Objectives:**
- Illustrate the construct validity domains of content, response process, internal structure and relationship to other variables with examples
- Analyze the evidence for a validated educational measure using DREAM critical analysis methods
- Practice a step-by-step strategy for critical analysis of educational assessment measures

**Leader:** Mary E. Rocha, Co-Leaders: Christie Palladino, Julie Stamos, Linda Tewksbury, T.J. Jirasevijinda, Amal Khidir and E. Ann Thyssen

Methods and Content: The workshop begins with an introduction to Directory & Repository of Educational Assessment Measures (DREAM) followed by a review of construct validity (content and response process domains). Illustrations from DREAM content will help clarify these concepts. Next, in facilitated small groups, participants apply these concepts to the Maastricht Clinical Teaching Questionnaire (MCTQ) using a provided critical analysis worksheet. A second brief review of construct validity (internal structure/ (reliability) and relations to other variables domains) is presented. Again, illustrations from DREAM content will help clarify these concepts. Next, in
facilitated small groups, participants apply the concepts to the MCTQ using a provided critical analysis worksheet. Finally, a summative, step-by-step approach (including examples) to performing a DREAM critical analysis will be provided.

8:00am-11:00am

**2232 Early Childhood Systems, Milestones and Toxic Stress Oh My! The Road to Building a Community Curriculum Aligned with the New Children’s Agenda**

**PAS Workshop**

Vancouver Convention Centre - East 17

**Target Audience:** Faculty Mentors/program directors/community and ambulatory faculty and residents and students interested in building community pediatrics and early childhood advocacy programs/skills.

**Objectives:**
- Discuss the alignment of early brain and child development curricula with community pediatrics competencies/milestones and new program requirements
- Develop a program vision for integrating partnerships with early childhood systems/organizations and advocacy opportunities
- Propose a plan to imbed early brain and child development training into residency training program

**Leader:** Dina Lisher, Co-Leaders: Ben Hoffman, Dipesh Navsaria, David W. Willis and Jeff Kaczorowski

Pediatricians are in a unique position to promote lifelong health through addressing early brain and child development in the clinical, community and policy arenas. This workshop will take participants through a process that will promote opportunities to align their community pediatrics and broader curricula with an early childhood agenda and emerge with clear next steps around curriculum development for their programs. There are many early childhood community-based organizations, advocacy efforts and policy agendas. Working with these systems can enhance residency training and fulfillment of program requirements; improve outcomes for children and strengthen faculty capacity, advocacy successes, leadership opportunities and potential funding streams. We will give participants the knowledge and tools to build partnerships in early childhood systems, engage with the early childhood policy arena and integrate early childhood in the clinical curricula. There will be built-in opportunities to develop actionable next steps for program development and planning.

8:00am-11:00am

**2234 Entrustable Professional Activities: Defining and Developing an Innovative Means of Outcomes-Based Assessment**

**PAS Workshop**

Vancouver Convention Centre - East 18

**Target Audience:** Residents, Fellows, Faculty involved in program administration and assessment, Faculty interested in educational assessment and scholarship.

**Objectives:**
- Define the term Entrustable Professional Activities (EPAs) and describe how EPAs provide a framework for outcomes-based assessments
- Develop a methodology for assessments grounded in EPAs
- Discuss how EPA-framed assessments, in discrete clinical experiences, can be used to guide program leaders in entrustment decisions

**Leader:** Duncan Henry, Co-Leaders: Jacob Robson, Daniel Schumacher, James Moses, Robert J. Vinci

Entrustable Professional Activities (EPAs) are an innovative concept that may be leveraged in efforts to frame meaningful outcomes-based assessment of trainees. EPAs are essential, observable activities in medical practice that can be used to assess professional progression and readiness for additional responsibility. Efforts to identify and describe EPAs for the field of Pediatrics are underway, yet the practical aspects of implementing a framework for assessment and advancement decisions continues to be challenging for most educators and institutions. In this workshop, we will break out into small groups to work through the process of defining and developing EPAs. Additionally, groups will discuss how EPAs can guide development of assessment tools designed to aid decisions regarding the conference of additional responsibility to individuals, culminating in unsupervised practice.
**Practice Redesign and the Patient-Centered Medical Home in the Academic Setting: Strategies for Planning, Implementing, and Evaluating Success**

**PAS Workshop**

**Vancouver Convention Centre - West 202**

**Target Audience:** Residents, fellows and faculty interested in primary care redesign and the patient-centered medical home.

**Objectives:**
- Identify models for redesigning an academic primary care practice into a patient-centered medical home (PCMH)
- Discuss components of the PCMH including team-based care, patient empowerment, population management and patient engagement; and apply them to participants’ own settings
- Acquire a toolbox of measurement and quality improvement strategies that can drive outcomes improvement including tools for project and data management during the redesign process

**Leader:** Joanne Cox, Co-Leaders: Kathleen Conroy, Mona Mansour, Ronald Samuels, Benjamin Fogel, Zeina Samaan, John Morehous, Courtney Brown

The Patient-centered medical home (PCMH) offers potential for improvements in primary care delivery and trainee experience while enhancing quality and decreasing cost. This workshop will describe the Joint Principles of the PCMH and tools useful for practice redesign through presentation and small group discussions. Examples from two large academic primary care practices will focus the discussion on PCMH components including team-based care, patient empowerment, population management and patient engagement and apply them to participants’ own settings. The use of measurement and quality improvement to drive outcomes will be demonstrated. Strategies for involving trainees and using information technology and electronic health records to enhance redesign will be included. Participants will acquire a toolbox of measurement and quality improvement strategies to drive outcomes improvement including tools for project and data management during the redesign process.

**Star Child Health: Leading Edge Methodological Approaches for RCTS in Children**

**PAS Workshop**

**Vancouver Convention Centre - East 215**

**Target Audience:** Fellows, junior faculty and mid-level faculty interested in designing, conducting and publishing RCTs in children.

**Objectives:**
- Identify the key methodological challenges in the design and conduct of trials in children
- Apply innovative strategies to address these challenges
- Discuss RCT approaches for different populations or research questions

**Leader:** Martin Offringa, Co-Leaders: Terry Klassen, Allison Needham

This highly interactive workshop will utilize a problem-based approach to examine the evidence around the most relevant and important methodological challenges in child health research. Leaders will use evidence-based guidance systematically prepared by StaR Child Health to examine methodological issues and recommendations for RCT practice. Topics will include: optimizing recruitment and informed consent, containing the risk of bias, roles and duties of data monitoring committees, defining adequate sample sizes, and the selection of appropriate outcomes and measurement tools in trials. The workshop will also provide an opportunity for participants to break into groups in order to assess potential solutions for the most frequent challenges in trial design and conduct. To close, this workshop will culminate in a synthesis activity giving participants the opportunity to collectively evaluate provided clinical trial scenarios and discuss which designs are best eg. Factorial, cluster, Non-inferiority, etc.
**Daily Programming**

**PAS/ASPR 2014**

**VANCOUVER**

**SUNDAY • MAY 4**

**2246 The Mentee-Driven Approach to Mentoring Relationships and Career Success: Benefits for Mentors and Mentees**

PAS Workshop

Vancouver Convention Centre - East 204

Target Audience: Faculty at all levels (Junior, Mid-Level, and Senior), Fellows, Residents.

Objectives:
- List strategies and resources that can be used to facilitate an effective transition to the next stage of your career
- Describe the importance of mentee-driven mentoring relationships and develop strategies to develop and sustain effective mentoring relationships
- Perform a mentoring needs assessment and list individuals who should become a part of your mentoring mosaic

Leader: Mario Cruz, Co-Leaders: Benard P. Dreyer, Barry Solomon, Nancy Spector, Janet Serwint, Maryellen Gusic, Theodore Charles Sectish and Mackenzie Frost

Effective mentoring relationships are important contributors to career satisfaction, academic productivity, perceived self-efficacy, and successful networking. They are especially critical during times of transition in one’s career. At this workshop, attendees will apply mentee-driven strategies to optimize their mentoring relationships and prepare them for the next stage of their careers. Participants will reflect on their mentoring needs and develop strategies to initiate and sustain effective mentoring relationships. Next, they will create mentoring mosaics that describe the depth and breadth of their mentoring networks. With guidance from the workshop facilitators, participants will expand upon their mentoring mosaics by exploring possibilities for untapped mentoring resources (recognizing that mentors can come from the junior, peer, and senior levels). Participants will leave with a better understanding of their roles as mentees and mentors, along with an instructor’s guide that can be used to replicate this workshop at their home institutions.

**2250 Emergency Medicine**

APA Special Interest Group

Vancouver Convention Centre - East Parkview Ballroom

Chairs: Kathy Boutis, kboutis@mycybernet.net, and Martin Pusic, mvp19@columbia.edu

The field of education is undergoing a massive wave of innovation in the light of technological advances such as simulation, online learning, and the recent emphasis on competency based metrics of learning. This Special Interest Group will discuss the impact of these educational advances on Pediatric Emergency Medicine. Specifically, we will discuss: 1) PEM Mock Codex’s evolution from skill maintenance to patient safety/quality intervention; 2) The complexities of training for disaster medicine; 3) Novel uses of educational technology for teaching component skills; 4) Establishing an education career in pediatric emergency medicine; and 5) the power of collaborative education networks.

Presenters: Martin Pusic, Deborah Hsu, Marc Auerbach, Debra Weiner, Anne Stack, Marc Roback

**2252 Family Centered Care**

APA Special Interest Group

Vancouver Convention Centre - West 216

Chair: Snezana Nena Osorio, smn2001@med.cornell.edu

Last year we provided an overview in how patients and families can be involved to promoting PFCC. This year we are going to explore how we can impact medical and trainees education with the theme: “Keep It in the Family: Using Family as Educators in Patient and Family-Centered Care” with special guest, Janice L. Hanson, Ph.D. Ed.S, with extensive experience in working with Family Faculty to promote medical student education. We have an exciting panel of physician discussants and Family/Parent Faculty with experience in family involvement during Patient and Family Centered Rounds and small group exercises using previously developed tools that will help participants develop Family Faculty Program in their institution. The Family/Parent Faculty have been trained to participate in educational activities with medical students, residents and nurses to promote Patient and Family Centered Care. Please come and bring your ideas, experiences and questions. We hope to continue to grow our network that will enable further research in PFCC! Panel Faculty: Kristin C. Vos, Michelle Kelly, Adam Weinstein, and Patricia Hametz Family Faculty (Parents): Patti Lenkove and Teesha Miller

Presenters: Janice L. Hanson

**2254 Integrative Pediatrics**

APA Special Interest Group

Vancouver Convention Centre - East 9

Nutrition and Integrative Medicine in Pediatrics: What Can We Learn From Children With Cancer?

Chairs: Shiu-Lin S. Tsai, shiulin@aol.com, and Erica Sibinga, esibinga@jhmi.edu

Elena J. Ladas, PhD, RD, Director of the Center for Comprehensive Wellness, Division of Pediatric Hematology/Oncology/Stem Cell Transplantation, Columbia University.

Did you know that curcumin decreases inflammation? Ginger roots mitigate nausea? Can children eat fruits and vegetables when they are neutropenic? Dr. Elena Ladas will answer these questions and share nutritional and supplement pearls! She will also present how Reiki, acupuncture and other CAM modalities are helping her cancer patients and the application of CAM modalities on other subspecialties within the hospital including the NICU, PICU, and Rheumatology. We welcome you all to submit questions beforehand that you would like Dr. Ladas to answer. She will include and address your areas of particular interest in her presentation. Please submit your questions to shiulin@aol.com.

Presenter: Elena Ladas

**2256 Literacy Development Programs in Primary Care**

PAS Special Interest Group

Vancouver Convention Centre - East 20

This year, the Literacy Promotion in Primary Care SIG will focus on the intersection of school readiness and emotional development, focusing (as always) on the role of clinical interventions in the context of primary care. We’re hoping to attract a nationally-known speaker (name TBA). In addition, we’ll announce the Young Investigator Award, and report on past years’ YIA projects, give an update on the Reach Out and Read National Center, and enjoy a free-form discussion of research, actual and potential, in our chosen area.

Presenter: Robert Needlman
8:00am-11:00am

2258 Medical Student Education/Pediatric Residents
APA Special Interest Group
Vancouver Convention Centre - West 217

Chairs: Lavjay Butani, lbutani@ucdavis.edu, Michele Long, Michele.long@ucsf.edu, and Matthew Wallenstein, mbw@stanford.edu

This combined SIG session will address the new AAMC Entrustable Professional Activities (EPAs) for entering residency and how these can help guide development of a) Medical student curricula, b) Resident as teacher/mentor content and c) Multiple Mini-Interview (MMI) content areas for Residency recruitment.

Presenters: Charles Prober, Mark Henderson

8:00am-11:00am

2260 Pediatric Clinical Research Networks
APA Special Interest Group
Vancouver Convention Centre - West 219

Chair: Richard Wasserman, richard.wasserman@med.uvm.edu

The Pediatric Clinical Research Networks SIG is a forum for PAS members involved in or planning to establish clinical research networks (defined as enduring multi-site clinical research collaborations). Representatives of primary care (practice-based research networks), specialist, and disease-specific networks meet to discuss common challenges and potential solutions to those challenges, bear updates on innovations, and offer consultation to those planning or launching new networks.

Presenters: Alexander Fiks, Kathleen Walsh, Joanne Wood, Laurel Leslie, and Daniel Lindberg

8:30am-11:30am

2270 APA Global Health Task Force: Developing Faculty Competencies in Global Child Health
APA Special Symposium
Vancouver Convention Centre - West 222

Chair: Ruth Etzel

The APA Global Health Task Force has developed a consensus statement on faculty competencies needed to provide clinical service, research and teaching for Residency planning or launching new networks.

8:30 Welcome
Ruth Etzel

8:35 Faculty Competencies in Global Health
Ruth Etzel and Bob Bortolussi

Faculty Competencies in Global Health Research
Mirzada Kurbasic and Yvonne Vaucher

Faculty Competencies in Clinical Care
Melanie Anspercher and Nicole St. Clair

Faculty Competencies in Education
Cindy Howard and Chandy John

9:30 Research in Global Health: Qualitative Survey Results
Andrew Sherman

10:30 Plan for Transition
Ruth Etzel, Mirzada Kurbasic and Suzinne Pak-Gorstein
10:30 Emergency Preparedness for Infectious Diseases: Are We Prepared to Care for Children? Andrew T. Pavia, Pediatric Infectious Disease, University of Utah, Salt Lake City, UT

11:00 Novel Influenza A Viruses: The Next Pandemic? Angela J. P. Campbell, Influenza Division, National Center for Immunization and Respiratory Diseases, CDC, Atlanta, GA

11:30 Middle East Respiratory Syndrome Coronavirus: What Do We Know and What Awaits Us? Susan I. Gerber, Division of Viral Diseases, National Center for Immunization and Respiratory Diseases, CDC, Atlanta, GA

12:00 Measles Outbreak in the Post-Elimination Era: Preparedness Put to the Test Jennifer B. Rosen, Bureau of Immunization, New York City Department of Health and Mental Hygiene, New York, NY

10:30am-12:30pm

2325 Pathways Shaping the Early Origins of Childhood Mental Health: The Developmental Effects of Prenatal Mood, Stress and Antidepressants

PAS Topic Symposium
Vancouver Convention Centre - West 214

Target Audience: This session will appeal to scientists and clinicians involved with applying an understanding of the developmental origins of child behavior, development and mental health to research and practice.

Objectives:
- Describe critical variables that contribute to developmental risk in children of mothers with antenatal mood disturbances
- Become aware of developmental risk in this setting that includes both biological and social variables
- Explain what is needed to address both clinical & public health issues that promote developmental health in children of depressed mothers

Chair: Tim F. Oberlander, University of British Columbia, Vancouver, BC, Canada

Long before birth, exposure to the social environment associated with a mother’s mood and her use of antidepressants are already shaping her future child’s capacity to regulate stress, thereby contributing to an increased risk for behavioral and emotional disorders across the life span. Stress regulation has emerged as a key mediator of associations between early life events and mental health and is critical to shaping adaptive attention and emotion regulation. Emerging evidence how points to how antenatal events contribute to setting up these developmental pathways via a variety of neuroendocrine hormonal, genetic and epigenetic mechanisms. The early postnatal social environment also contributes to the ‘plasticity’ of the growing stress regulatory system. However, not all outcomes point to a life of adversity and identifying why some but not all children are affected by pre and postnatal social environment is an essential task for clinicians, researchers and policy makers.

10:35 Maternal Stress Gets under Fetal Skin: The Earliest Environmental Influences on Neurobehavioral Development
Catherine Monk, Columbia University, New York, NY

11:05 Prenatal Maternal Mood and Child Immune Health
Tom O’Connor, University of Rochester, Rochester, NY

11:35 Why the Early Origins of Childhood Mental Health Should Matter to Clinicians, Researchers and the Public
Tim F. Oberlander, University of British Columbia, Vancouver, BC, Canada

12:05 Discussion

Jointly sponsored by the American Academy of Pediatrics, Society for Developmental & Behavioral Pediatrics and the Pediatric Academic Societies

10:30am-12:30pm

2326 Problematic Internet Use among Youth: Harm or Hype?
PAS Topic Symposium
Vancouver Convention Centre - East Ballroom A

Target Audience: Scientists and clinicians involved with general pediatrics or adolescent medicine, or those with interests in behavioral medicine, mental health or addictions are the target audience.

Objectives:
- Understand key concepts of PIU and how it is similar and different from other impulsive or addictive behavior disorders
- Learn about measurement tools for PIU to incorporate into your practice
- Consider intervention and policy approaches for pediatrician’s role in prevention and intervention of PIU

Chair: Dimitri Alexander Christakis, Seattle Children’s Research Institute, Seattle, WA

Adolescent internet use today is frequent and often prolonged, with most youth logging in multiple times a day to check Facebook, play online games and view media. Many health care providers and educators have raised concerns that this use may increase risks for problematic internet use (PIU), sometimes called internet addiction. The DSM has called PIU a “disorder in need of further investigation,” which leaves many pediatricians with few tools to identify or intervene in worrisome cases. This topic symposium will review the current state of the science of PIU, including a conceptual approach, a method of screening, and considerations of the role of the AAP and other pediatric groups in efforts to prevent and intervene with PIU.

10:30 Why Should Pediatricians Be Concerned about PIU?
Dimitri Alexander Christakis, Seattle Children’s Research Institute, Seattle, WA

10:40 A Conceptual Approach to PIU
Megan A. Moreno, University of Washington, Seattle, WA

11:00 Measurement Tools for PIU
Lauren Jelenchick, University of Minnesota, Minneapolis, MN

11:20 Associations between PIU and Other Health Risk Behaviors
Joan-Carles Suris, Lausanne University Hospital, Lausanne, Switzerland

11:40 Policy Perspectives on Prevention and Intervention with PIU
Jonathan D. Klein, American Academy of Pediatrics, Elk Grove Village, IL

12:00 Discussion

Jointly sponsored by the Society for Adolescent Health and Medicine and the Pediatric Academic Societies

10:30am-12:30pm

2327A Recent Progress in Biliary Atresia in the World

ASPR Hot Topic
Vancouver Convention Centre - West 109

Target Audience: Hepatologist, gastroenterologist and neonatologist in Asia and USA.

Objectives:
- Summarize the recent findings of BA
- Summarize the new and expanded vision of screening and treatment of BA
- Discuss the future management of BA

Chairs: Vicky Ng, Hospital for Sick Children, Toronto, ON, Canada and Kazuhiko Bessho, Graduate School of Medicine, Osaka University, Suita, Osaka, Japan
Biliary atresia (BA) is a neonatal obstructive cholangiopathy that progresses to end-stage liver diseases. Although the etiology is unknown, recent studies suggested a neonatal adaptive immune signature has been mechanistically linked to obstruction of the extrahepatic bile ducts. In this symposium, we should discuss the multi-center studies of BA in USA, early screening for BA in Taiwan, liver-transplantation with BA in Japan, and also recent progresses of immunological studies with BA. And hopefully, we will discuss how we reflect these findings in the future management of BA.

10:30 How Multi-Center Collaboration Facilitates Studies of Biliary Atresia: Steroids and Beyond
Ronald J. Sokol, University of Colorado School of Medicine, Aurora, CO

10:55 Screening for Biliary Atresia for the Earlier Treatment
Mie-Hwei Chang, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

11:20 When to Transplant Patients with Biliary Atresia
Mureo Kasahara, National Center for Child Health and Development, Tokyo, Japan

11:45 Biliary Atresia: From Bench to Bedside
Pranavkumar Shivakumar, Cincinnati Children’s Hospital, Cincinnati, OH

Jointly sponsored by the Asian Society for Pediatric Research, North American Society for Pediatric Gastroenterology, Hepatology & Nutrition and the Pediatric Academic Societies

10:30am–12:30pm

2330A The Kidney Intoxicated: Impact of Environmental and Pharmacological Exposures on the Kidney
ASPEN Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Hepatologist, gastroenterologist and neonatologist in Asia and USA.

Objectives:
- Know that exposures to environmental toxicants or medications may have acute and lifelong consequences on the health of the kidney
- Realize that iatrogenic causes of kidney injury are associated with significant burden in terms of public health and healthcare costs

Chairs: Sharon P. Andreoli, J.W. Riley Hospital for Children, Indianapolis, IN, and J.J. Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

The kidney is susceptible to acute and chronic injury from a variety of exposures. This session will review historical and modern environmental exposures and their impact on kidney health. Additionally, recreational drug use and iatrogenic medication exposure will also be reviewed

10:30 Occupational and Environmental Exposures and Kidney Health
Jeffrey Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

10:55 Community-Based Analgesia: NSAIDs and Kidney Health
Jason Mark Misurac, Riley Children’s Hospital, Indianapolis, IN

11:20 Recreational Drugs and Kidney Health
Doug Blowey, Children’s Mercy Hospitals & Clinics, Kansas City, MO

11:45 Hospital-Based Pharmacological Oversight and Prevention of Kidney Injury: Costs and Considerations
Stuart L. Goldstein, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

2330B Endocrinology I: Basic
Platform
Vancouver Convention Centre - Room West 301-305

Chairs: Yee-Ming Chan and Robert Couch

10:30 Exenatide (Byetta) Prevents Obesity in Mouse Model of Hypothalamic Obesity. Meizan Lai, Jeffrey Roizen, Bassil Kublaoui.

10:45* Irisin Levels Are Lower in Young Amenorrheic Athletes Compared With Eumenorrheic Athletes and Non-Athletes and Correlate With Bone Structure and Strength. Vibha Singhal, Elizabeth A. Lawson, Kathryn E. Ackerman, Pouneh Fazeli, Hannah Clarke, Kamryn Eddy, Dean A. Marenghi, Nicholas P. Derrico, Mary L. Bouxsein, Madhusmita Misra.

11:00* Decreased Expression of Programmed Cell Death-1 in T Cells from Children With New Onset Type I Diabetes. Hector M. Granados, Andrew Draghi II, Francisco Sylvester, Anthony T. Vella.

11:15 Diabetic Ketoacidosis Results in Elevation of Plasma Levels of Matrix Metalloproteinase-9 (MMP-9) in Children With Type 1 Diabetes. Aris Garro, Adam Chodobski, Joanna Chodobski, Shara Bialo, Jonathan Bennett, Kimberly Quayle, Arleta Rewers, Jeffrey Schunk, Nathan Kuppermann, Nicole Glaser.


SPR Student Research Award

Marie Strobl

11:45 Maternal Hypo- and Hyperthyroidism Result in Long-Term and Opposing Adverse Effects of on Axonal Plasticity in the Adult Neocortex. Marie Strobl, Jason Coleman, Scott Rivkees.


12:15 Early-Life Stress Decreased Hepatic Expression of IGF-1 mRNA Variants. Qi Fu, Xingrao Ke, Cecilia J. Hillard, Dylan Coss, Susan Cohen, Robert H. Lane, Amber V. Majnik.

2355 General Pediatrics: Clinical Care
Platform
Vancouver Convention Centre - Room West 121-122

Chairs: John Harrington and Judith Shaw


10:45 Do Inner-City Parents and Children Agree on Asthma Symptoms, Exercise and Medication Use? Marina Reznik, Yudilyn Jaramillo, Marina Reznik, Yudilyn Jaramillo, Hector M. Granados, Juan Pablo Nicola, Paul Saenger, Radhika Muzumdar, Rodriguez-Buritica David, Gamez David.

11:00 Still Using Albuterol To Treat Acute Bronchiolitis? Anne M. Gadomski, Melissa B. Scribani.

11:30* Prospective, Interventional Study Investigating Implementation of a Discharge Bundle on Hospital Readmission Rates.
Kate E. Humphrey, Herminia Shermont, Aimee Lyons, Bola Bukoye, Vincent Ciang. Publication 2355.5

11:45* Improving Anticipatory Guidance in Reach Out and Read: A Parent Bookmark Intervention. Lauren A. Sanlorenzo, Natalie H. Brito, Corinna J. Rea, Kimberly G. Noble. Publication 2355.6

12:00* Comparison of Handheld Infrared Temperature Sensor To Physical Examination in Measurement of Pediatric Extremity Temperature. Jennifer Tse, Casey M. Rand, Michael S. Carroll, Brisyeda Morales, Aaron J. Charnay, Sally F. Vitez, Samantha C. Gordon, Michele Le, Debra E. Weese-Mayer. Publication 2355.7


10:30am – 12:30pm

2360 General Pediatrics: Health Services Research
Platform
Vancouver Convention Centre - Room West 118

Chairs: Alex Kemper

10:30 Characteristics and Cost Patterns of Pediatric High Resource Utilizers: Implications for Policy. Astrid Guttman, Matthew Kumar, Qendresa Hasanaj, Eyal Cohen. Publication 2360.1

10:45 Low Stability of Healthcare Spending in Pediatric Medicaid High Resource Utilizers. Rishi Agrawal, Matt Hall, Dennis Kuo, Eyal Cohen, Denise Goodman, Jacqueline Kueser, Naomi Bardach, John Neff, Christopher Stille, David Rubin, Kenneth Mandl, David Hall, Mark Brittan, Jay Berry. Publication 2360.2

APA Student Research Award
Doug Gilchrist-Scott

11:00* Association of Medicaid Managed Care Structure and Receipt of Care Coordination When Needed. Doug Gilchrist-Scott, James Feinstein, Rishi Agrawal. Publication 2360.3


11:45 Early Information on Vaccinations and the Affordable Care Act’s Value-Based Insurance Design (YBID) Rules. John Hsu, Maggie Price, Vicki Fung, Teresa Gibson, Mary Beth Landrum, Mike Chernew, Joseph Newhouse, Mark Schuster. Publication 2360.6

Douglas K. Richardson Awardee
Mark Schuster

12:00 Measuring Quality of Pediatric Care: Where We’ve Been and Where We’re Going Mark Schuster.

12:15 A National Perspective on Family Experience of Inpatient Care:Analysis of Pediatric HCAHPS. Sara L. Toomey, Alan Zaslavsky, Marc N. Elliott, David Klein, Shanna Shulman, Marie Bryant, Sifon Ndon, Jessica Ratner, Catriona McGovern, Shannon Hardy, Vinay Kampalath, Mark A. Schuster. Publication 2360.8

10:30am – 12:30pm

2365 Hypothermia & Hypoxic Ischemic Encephalopathy
Platform
Vancouver Convention Centre - Room West Ballroom A

Chairs: An Massaro and Marianne Thoresen

10:30* Hypoglycemia and/or Hyperglycemia in Infants With Hypoxic Ischemic Encephalopathy in the CoolCap Study Were Associated With Poor Outcome. Sudeepta K. Basu, Danielle Guffey, Charles G. Minard, Jeffrey R. Kaiser, Alistair J. Gunn. Publication 2365.1

10:45 Head Cooling Versus Combined Erythropoietin and Head Cooling in Newborns With Hypoxic-Ischemic Encephalopathy. Islam A. Nour, Shadia M. El-Sallab, Mohammed Magdi A. Abo El Kheir, Amany K. El-Hawary, Ashraf M. Abd-Elrahman. Publication 2365.2

11:00 Neonatal MRI Brain Injury Patterns and Childhood Outcome Following a Trial of Hypothermia for Hypoxic-Ishemic Encephalopathy (HIE). Seetha Shankaran, Scott McDonald, Abbot R. Laptok, Susan R. Hintz, Patrick Barnes, Abhik Das, Athina Pappas, Rosemary Higgins. Publication 2365.3

11:15 Cerebral MRI on Days 4 and 11 in Encephalopathic Neonates Treated With Hypothermia. Janne H. Skranes, Frances M. Cowan, Tom Stiris, Drude Fugelseth, Marianne Thoresen, Andres Server. Publication 2365.4


11:45 UCH-LI and GFAP Serum Levels in Neonates With Hypoxic-Ishemic Encephalopathy. Martha Douglas-Escobar, Shelley C. Heaton, Linda J. Young, Jeffrey Bennett, Olena Ghushakova, Ronald Hayes, Michael D. Weiss. Publication 2365.6

12:00 White Matter Tract Microstructure Predicts Outcome in Newborns With Hypoxic Ischemic Encephalopathy (HIE) Treated With Hypothermia. An N. Massaro, Iordanis Evangelou, Penny Glass, Catherine Limperopoulos. Publication 2365.7


10:30am – 12:30pm

2370 Neonatal Infections
Platform
Vancouver Convention Centre - Room East Ballroom C

Chairs: Joseph Cantey and Andi Shane

10:30 Discrepant Hepatitis B Surface Antigen Results in Pregnant Women Screened Serologically To Identify Hepatitis B Virus Infection. Trudy V. Murphy, Steven L. Veselsky, Tanja Y. Walker, Nancy Fenlon, Chong-Gee Teo. Publication 2370.1


12:00* Multidrug Resistance and Rapid Acquisition of Vancomycin Resistance in Staphylococcus capitis Involved in Late-Onset Sepsis in Neonates: Urgent Need for Alternative Therapies. Marine Butin, Jean-Philippe Rasigade, Patricia Martins Simoes, Olivier Claris, Francois Vandenesch, Frederic Laurent, Jean-Charles Picaud. Publication 2370.7


10:30am - 12:30pm

2375 New Insights into PDA
Poster Symposium Session
Vancouver Convention Centre - Room West 223-224

Viewing: 10:30am - 11:00am
Discussion: 11:00am - 12:30pm

Chairs: Jeff Reese and Jason Stoller
Discussant:


2 Antenatal Betamethasone Selectively Induces Maturation of Oxygen Sensing in the Preterm Mouse Ductus Arteriosus Via Prostaglandin/NO-Dependent Signaling Pathways. Elaine Sheldon, Jeff Reese, Christopher Hooper, Stan Poole, Noah Ehinger, Naoko Brown, Nahid Waleh, Ron Clyman. Publication 2375.2

3 Lower SpO2 Target at the Early Postnatal Stage Increases the Risk of Failure of Ductus Arteriosus Closure. Kei Inomata, Hiroki Yonemoto, Takeshi Inoue, Akihiko Kawase, Yuichi Kondo. Publication 2375.3

4 Predictors of Post-Ligation Cardiac Syndrome (PLCS) in Neonates after Introduction of Targeted Milrinone Treatment. Joseph Y. Ting, Maura Resende, Kiran More, Donna Nicholls, Dany Weisz, Alif El-Khuffash, Amish Jain, Patrick J. McNamara. Publication 2375.4


7 Efficacy of Treatment of PDA With COX-2 Inhibitors beyond 2 Weeks of Age in VLBW Infants. S. Lainwala, N. Hussain. Publication 2375.7

8* The Comparison of Efficiency of Oral Ibuprofen and Indomethacin in Very Low Birth Weight Infants. Jong Hee Hwang, Na Young Ryu. Publication 2375.8


11 Efficacy and Safety of the First Course of Ibuprofen To Close Patent Ductus Arteriosus in Extremely Preterm Newborns Decrease With Low Birth Weight for Gestational Age. Duriane Madeleineau, Marie-Stephanie Aubelle, Charlotte Pierron, Emmanuel Lopez, Juliana Patkai, Jean-Christophe Roze, Pierre-Henri Jarreau, Geraldine Gascoin. Publication 2375.11


10:30am - 12:30pm

2380 NICU Quality Improvement
Poster Symposium Session
Vancouver Convention Centre - Room West 212-213

Viewing: 10:30am - 11:00am
Discussion: 11:00am - 12:30pm

Chairs: Dmitriy Dukhovny and Michael Posenceng
Discussant:

1 Reduction of Neonatal Central Line Associated Blood Stream Infections in a National CLABSI Collaborative (NCLABSI Nation). Douglas E. Hardy, Sheree Kuo, Alan Pinicarlo, Keith Cochran, Barb Edson, Martin J. McCaffrey. Publication 2380.1

2 Improvement in Neonatal Outcomes of Preterm <29 Weeks GA: Results from a National Prospective Quality Improvement Cohort Study (EPIQ2). Shoo Lee, Prakash Shah, Nalini Singhal, Khalid Aziz, Anne Synnes, Douglas Mcmillan, Mary Seshia. Publication 2380.2

3 Collaborative vs NICU Based Quality Improvement for Delivery Room Neonatal Resuscitation. Henry C. Lee, Miho Bennett, Paul Sharek, Richard J. Powers. Publication 2380.3

4* Patient Volume and Nursing Overtime Increases Mortality and Morbidity in Very Preterm Infants. Marc Beltempo, Guy Lacroix, Michele Cabot, Vicky Beausens, Bruno Piedboeuf. Publication 2380.4

5 Peer To Peer Site Visits in a State Collaborative Model To Reduce Neonatal Central Line Associated Bloodstream Infections. Sheri Carroll, Brandi Page, Marty McCaffrey. Publication 2380.5

6* Efficacy of an Infection Control Programme in Reducing Ventilator-Associated Pneumonia in a Chinese NICU. Qi Zhou, Shoo Kim Lee, Chao Chen, Majeeeda Kamaludddeen, Chuan-ting Wang, Yen Cao. Publication 2380.6

8 Sepsis Care Bundles Improve Neurodevelopmental Outcomes in Very Low Birth Weight Infants. Jonathan W. Davis, Sally Jary, Pamela A. Cairns, David Harding, Karen Luyt. Publication 2380.8

8* Improving the Rate of Early Breast Milk Expression in Mothers of Preterm Infants. Lindsay T. Murphy, Diane D. Warner, Jessica Parks, Jenny Whitt, Sigal Peter-Wohl. Publication 2380.9

10 Implementing Evidence-Based Nutritional Practices Reduces Postnatal Growth Restriction in Infants < 31 Weeks. Jeffrey M. Meyers, Meggan Butler-O’Hara, Tara Foti, Timothy P. Stevens. Publication 2380.10

11 How Do We Think? Analysis of Decision Making Fatigue in the Neonatal ICU. Beau Batton, Lara Nicolas, Brittany Wold, Georgia Mueller, Allisson Spennier, Daniel Batton. Publication 2380.11


10:30am - 12:30pm

2385 Pediatric Palliative Care Platform

Vancouver Convention Centre - Room West 110

Chair: Lawrence Fenton

10:30* Ketamine PCA as Home Regimen for Pediatric Neuropathic Pain. Matthew Taylor, Carol May, Denise Howrie Schiff, Regina Jakacki, Scott Maurer. Publication 2385.1


11:15 Presence of Palliative Care Team Increases Parental Participation during Family Conferences. Tessie W. October, Kiondra R. Fisher, Pamela S. Hinds. Publication 2385.4

11:30* Parental Decision Making Factors and Outcomes Regarding Fetal and Neonatal Lethal anomalies. Esther J. Lee, Simone Steneke, Mike Harlos. Publication 2385.5

11:45 Behavior of Siblings of Children With Rare, Progressive, Life-Threatening Conditions: Charting the Territory Study Data. Hal Siden, Rose Steele, Gail Andrews. Publication 2385.6

12:00 Symptom Trajectory in Children With Life-Threatening Conditions: Data from the Charting the Territory Study. Harold Siden, Rose Steele, Rollin Brant, Gail Andrews. Publication 2385.7

12:15 Taking Pediatric Palliative Care To the Next Level: National Evidence Based Recommendations for Treatment of Symptoms. Rutger Knops, Leontien Kremer, Eduard Verhagen. Publication 2385.8

2420A Ambulatory Blood Pressure Measurement (ABPM) IPHA Workshop

Vancouver Convention Centre – East 13

Objectives:
- Identify the source of information with the most recent comprehensive information about ABPM in children as the AHA policy statement
- Organize a program in ABPM at their home center
- Determine how to assess the cost-effectiveness of ABPM in the evaluation of the child or adolescent with suspected hypertension. Analyze an ABPM report and understand how to interpret the findings

Chair: Donald Lee Batisky

It is clear that Ambulatory Blood Pressure Monitoring (ABPM) is useful in the evaluation of blood pressure levels in youth. However, there is a need for larger data sets, including normative data in healthy non-white populations. Information relating ABPM to well-defined or intermediate end points in youth with sustained hypertension is also lacking. Additional data will also be important in evaluating the efficacy of ABPM in measuring effects of interventions and reversal of target organ damage. Further research is also needed in the development of standardized protocols appropriate for validation of monitors used in pediatric patients. Finally, although adult studies suggest that significant cost savings can result from the use of ABPM versus conventional casual blood pressure (CBP) measurement to classify and monitor hypertensive patients, similar cost-effectiveness analyses have not yet been performed in children. With these issues in mind, this workshop will address the following topics:
1. Review of the American Heart Association policy statement – Dr. Joseph Flynn
2. The nuts & bolts of setting up an ABPM program – Dr. Joshua Samuels
3. An overview of reimbursement strategies will be reviewed – Dr. Karen Redwine
4. Cost-effectiveness of using ABPM in the evaluation and management of pediatric hypertension – Dr. Dan Feig
5. Using the ABPM data for an advanced analysis – Dr. Mark Mintsnes

In a workshop format, there will be opportunities for the audience to hear about these topics from noted experts in this field with ample opportunity for interactive discussion. Prior to the workshop, there will be a call for attendees to send difficult cases to be used for discussion at the workshop.

10:30 Overview Donald L. Batisky
10:40 Review of the American Heart Association Policy Statement Joseph T. Flynn
11:00 The Nuts & Bolts of Setting up an ABPM Program Joshua A. Samuels
11:20 An Overview of Reimbursement Strategies Karen M. Redwine
11:40 Cost-Effectiveness of Using ABPM in the Evaluation and Management of Pediatric Hypertension Daniel I. Feig
12:00 Using the ABPM Data for an Advanced Analysis Mark Mintsnes

11:00am-12:30pm

APA Committees

2425 Education Committee
2430 Health Care Delivery Committee
2435 Public Policy and Advocacy Committee
2440 Research Committee
11:45am-1:00pm

**2445A** Perinatal Brain Club: Old Drugs – New Uses for Neuroprotection – Are They Ready for Prime Time?  
Vancouver Convention Centre - West Ballroom C

Target Audience: Scientist and clinicians involved in the management of newborns at risk for reperfusion injury following hypoxia-ischemia and the treatment of neonatal seizures.

Objectives:
- To understand the potential role of Melatonin in reducing reperfusion injury following hypoxia-ischemia
- To understand the potential role of Chromylin in reducing reperfusion injury following hypoxia-ischemia
- To understand the mechanisms whereby Bumetanide may reduce neonatal seizures as well as the potential clinical benefit

Chair: Jeffrey Michael Perlman, New York Presbyterian Hospital, New York, NY

This session will focus on the role of old drugs previously used for other medical purposes now being evaluated for their potential role in reducing brain injury following hypoxia-ischemia as well treating neonatal seizures.

11:45 | **Introduction – New Strategies to Prevent Reperfusion Injury in Newborn Infants**  
Jeffrey Michael Perlman, New York Presbyterian Hospital, New York, NY

11:55 | **Melatonin as an Adjunct to Hypothermia for Neuroprotection**  
Nicola J. Robertson, University College London, London, United Kingdom

12:15 | **Chromylin as an Adjunct to Hypothermia for Neuroprotection**  
Susan J. Vannucci, Weill Cornell Medical College, New York, NY

12:35 | **Bumetanide for the Treatment of Neonatal Seizures**  
Janet Soul, Boston Children’s Hospital, Boston, MA

12:50 | **Discussion**

Contact for information:  
Jeffrey M. Perlman  
Weill Cornell Medical College  
Phone: 212-746-3530  
Email: jmp2007@med.cornell.edu

12:00pm-3:00pm

**2460** An Introduction to the Cochrane Collaboration’s Methods for Conducting Systematic Reviews  
PAS Workshop  
Vancouver Convention Centre - East 14

Target Audience: Students, residents, fellows, and faculty interested in learning how to conduct systematic reviews and meta-analyses. This workshop may be of particular interest to fellows and junior faculty.

Objectives:
- Describe the Cochrane Collaboration’s methods for conducting systematic reviews and performing meta-analyses
- Assess the implications of systematic reviews and meta-analyses for clinical practice
- Identify opportunities for obtaining further training in methods for conducting systematic reviews and for funding and publishing systematic reviews

Leader: Janet Coffman, Co-Leaders: Lisa Hartling, Martin Offringa, Tonse N.K. Raju, Virginia Moyer, Roger Soll

This highly interactive workshop will provide an overview of the Cochrane Collaboration’s methods for conducting systematic reviews, which are widely regarded as “gold standards” for critical literature reviews. Leaders will use the Cochrane Collaboration’s RevMan software to demonstrate how to construct a systematic review. A Cochrane review on a child health topic will be used to illustrate the steps involved in completing a systematic review, including meta-analysis. The software demonstration will be complemented by group exercises, short lectures, and a question and answer session. Participants will also learn about opportunities to receive further training regarding methods for conducting systematic reviews, publishing systematic reviews through the Cochrane Library, and obtaining funding to conduct systematic reviews.

12:00pm-1:00pm

**2450** APS Members’ Networking Lunch  
[Advance RSVP Required]  
Vancouver Convention Centre - West Ballroom D

Immediately following the APS Presidential Session, APS Members are invited to network and share their ideas about the future direction of our organization, and to learn about opportunities for involvement in the APS. The 2014 APS Networking Lunch will focus on the APS-AAP Committee on Pediatric Research (COPR) Research Success Story Project and will include brief presentations by participants in the project. Our invited speakers are David I. Bernstein, MD, MA, Professor and Director of the Game Program for Clinical Studies, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; Jonathan M. Davis, MD, Vice-Chair of Pediatrics for Academic Affairs, Chief of Newborn Medicine, The Floating Hospital for Children at Tufts Medical Center, Professor of Pediatrics, Tufts University School of Medicine, Boston, MA; and John P. Kinsella, MD, Professor of Pediatrics, University of Colorado School of Medicine and Children’s Hospital Colorado, Aurora, CO, and Stanley J. Szefler, MD, Director, Pediatric Asthma Research Program, The Breathing Institute, Children’s Hospital Colorado, Aurora, CO. Advance RSVP required to attend.

12:00pm-3:00pm

**2462** Building Academic Partnerships in Pediatric Global Health at Home and Abroad: From Concept to Implementation  
PAS Workshop  
Vancouver Convention Centre - East 19

Target Audience: Faculty, residents and fellows interested in creating lasting partnerships in global health for education and research.

Objectives:
- Describe 3 successful models of academic collaboration in global health
- Discuss the practical strategies used in forming global health partnerships
- Share perspectives on strategies and challenges involved in establishing global health partnerships

Leader: Patricia McQuilkin, Co-Leaders: Rebecca Chancey, Donna Staton, Jacqueline Gautier, Jeff Kempf, Michael Koster, Cliff O’Callahan, Sia Camanor, Roseda Marshall, Michelle Niescierenko, Raissa Teteli, MD, pediatric faculty, Kigali, Rwanda, Natalie McCall, MD, PhD, pediatric faculty, Kigali, Rwanda

Interest in global health amongst US academic institutions has skyrocketed in the past 3 decades. In response to this heightened interest, several academic partnerships have been created between academic institutions in low/middle income countries and academic institutions in high-income countries. The goals of these relationships is to provide partnerships in medical education, research and training which are beneficial to both parties. Multi-institution collaboration increases resources to make long term impact and allows for small and large universities to contribute in meaningful ways. In this workshop we will review three successful models of multi-institution academic collaboration in 3 settings: Haiti, Liberia and Rwanda. We have invited faculty from the US and host countries to share their experiences in setting up academic collaborations. We will discuss the important components of establishing and fostering such partnerships, and attempt to establish best practices.
2464  Life-Work Balance: Survival Strategies to Achieve Personal Satisfaction While Pursuing Professional Advancement  
**PAS Workshop**  
Vancouver Convention Centre - East 18

**Target Audience:** residents, fellows, early career faculty, midcareer faculty, women or men who struggle with work-life balance, dual-physician couples.

**Objectives:**
- Achieve personal insight on current barriers to Life-Work balance
- Recognize importance of outsourcing “non-value added” tasks at home and at work
- Apply successful communication strategies to negotiate for solutions to life-work balance issues

**Leader:** Mary Ehlenbach, Co-Leaders: Jennifer O’Toole, Erin Shaughnessy, Sydney Primis, Christine Hrach, Michelle Kelly

Bring your work-life quandary and come prepared to problem-solve! This workshop will equip participants with tools to achieve a better balance between their careers and the other myriad priorities of their lives. Topics covered will include unique challenges facing women in academia, childcare and household function 101, and part-time work considerations. Participants will choose between break out groups to discuss challenges such as the dual-physician couple job search and other considerations; issues unique to physician-nonphysician professional couples; navigating the decision and reality of a stay-at-home spouse; and strategies for single parents. Finally, participants will learn and practice valuable negotiation skills to help them “get what they need” to achieve balance.

12:00pm-3:00pm

2466  Maintenance of Certification (MOC): Using MOC to Improve Quality of Care at Your Organization  
**PAS Workshop**  
Vancouver Convention Centre - East 15

**Target Audience:** Educators, physicians, and hospital leadership interested in engaging physician participation in quality improvement activities relevant to their work environment.

**Objectives:**
- Design MOC projects to improve patient outcomes, maintain certification, and stimulate a culture of continual improvement
- Develop a framework for a MOC program that integrates MOC projects into your organization’s quality improvement activities
- Define the American Board of Medical Specialties (ABMS) Multi-specialty MOC Portfolio Program and American Board of Pediatrics (ABP) MOC Program and plan for recent or anticipated changes to the MOC process

**Leader:** Joel Tieder, Co-Leader: Paul Miles

Nearly every physician is or will be required to engage in an accredited quality improvement (QI) project for Part Four Maintenance of Certification. This is a great incentive to further personal and organizational QI goals. However, there are many barriers to aligning these activities. The session will begin with an overview of national MOC Portfolio Programs offered by the American Board of Pediatrics (pediatric-specific) and the American Board of Medical Specialties (multi-specialty—e.g. surgery, genetics, allergy/immunology, and psychiatry). Next, Seattle and Nationwide Children’s Hospitals will describe the evolution of and anticipated changes to their MOC Portfolio Programs. This will be followed by a brief question and answer session. Next, participants will break out into facilitated round table discussions based on participants’ interests (e.g., private practice, ambulatory, inpatient, community, academic, and subspecialty). Each roundtable will develop a strategic plan to integrate MOC activities into their work environment, taking care to identify anticipated barriers, and determine if one of the Portfolio Program options would be beneficial to their organization. The workshop will close with a group discussion where round-table leaders will share their strategic plan. Facilitators will highlight the common barriers and discuss various strategies to overcome them.

12:00pm-3:00pm

2468  Mastering the Art of Quality Improvement: A Recipe for Success!  
**PAS Workshop**  
Vancouver Convention Centre - West 202

**Target Audience:** Students, Residents, Fellows and Faculty interested in successfully performing quality improvement projects.

**Objectives:**
- Understand the importance of quality improvement (QI) in clinical practice and describe common QI methodologies (Plan-Do-Study-Act, Six-Sigma, Lean)
- Draft a specific aim statement and develop a process map for a sample QI project
- Analyze, graph, and present sample QI data

**Leader:** Mackenzie Frost, Co-Leaders: Colleen Garvin, Kathryn Kasmire, Cheryl Gebeline-Myers, Jennifer Vodzak, Katie McPeak

This workshop will provide trainees and faculty of all levels with the opportunity to develop the skills needed to design and complete a successful quality improvement project. The session will begin with a brief introduction to quality improvement including a review of commonly used QI methodologies. Facilitators will provide brief didactics focusing on key elements of successful QI projects. Participants will then work in facilitated small groups to practice those skills, including drafting aim statements, developing process maps for their QI projects, and analyzing and presenting their QI data. After a large group discussion focusing on successful quality improvement projects, participants will have time to discuss their ideas for completing quality improvement in their home institutions. Participants will leave the session with a handout and bibliography that includes published examples of QI projects and resources for successful QI completion and publication.

www.pas-meeting.org
program interview sessions. Participants will work in small groups to brainstorm MMI case question topics, write MMI cases, and create scoring rubrics to fit their cases. In small group role playing, they will then get the opportunity to practice implementing these cases into an objective interview tool. Discussion will then include roadblocks to implementation and how to avoid these.

12:00pm-3:00pm

**2472 Multivariate Regression Techniques for Pediatric Clinical Research**

PAS Workshop  
Vancouver Convention Centre – East 17

Target Audience: Fellows, junior and mid-level faculty interested in understanding multivariate regression models and interpreting their results.

Objectives:
- Identify appropriate regression models for a variety of study designs and data types
- Interpret the output from multivariate regression models
- Critically evaluate multivariate regression models presented in the scientific literature


In clinical research, conducting a randomized controlled trial is often not a viable methodological option, making observational study designs a common alternative. Most often, observational studies require multivariate statistical methods to control or adjust for potential confounding. This workshop will provide practical, hands-on instruction in the use of multivariate models, focusing on when to use these approaches, different options for constructing models, and how to interpret their results. Facilitated by workshop leaders with experience using multivariate techniques for clinical research, participants will form small working groups and will: 1) review study design vignettes and recommend a multivariate analysis strategy; and 2) review recently published studies from general pediatric journals and generate critiques of the statistical approach. The session will conclude with each group sharing their work, with review and debriefing facilitated by the workshop leaders.

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12:00pm-3:00pm

**2476 Preparing for a New Leadership Position: On-Boarding Strategies for Success**

PAS Workshop  
Vancouver Convention Centre – East 204

Target Audience: New and emerging leaders and those who aspire to leadership.

Objectives:
- Identify the strengths and weaknesses of different leadership styles and strategies to avoid typical pitfalls for new leaders
- Diagnose new situations and develop appropriate strategies to tackle challenging situations
- Build effective collaborations and promote teamwork to accomplish one’s goals as a leader

Leader: Maryellen Gusic, Co-Leaders: Elaine Schulte, Benard P. Dreyer, Peter G. Szilagyi

Despite the increasing number of both internal and national leadership development programs in academic medicine, most physicians have little or no formal leadership training. This interactive, workshop is designed to help new leaders and future leaders plan and implement a smooth transition into new positions. Using reflection and small group problem solving exercises associated with a case, participants will learn about several key topics to ease the transition to leadership: understanding one’s personal leadership styles, diagnosing the challenges and opportunities of a new leadership position to allow strategic decision making, and the value of team building and collaboration. As the case unfolds, the audience will engage in large group brainstorming to identify strategies to avoid common pitfalls for new leaders. Peers will provide consultation and feedback to aid in addressing a participant’s actual, current leadership challenge. All attendees will leave with tools for use as they take on new roles and responsibilities in their own institutions.

12:00pm-3:00pm

**2478 Ready-Made: Conducting Pediatric Research Using Publicly Available Datasets**

PAS Workshop  
Vancouver Convention Centre – East 216

Target Audience: Trainees through senior faculty interested in doing pediatric research using publicly available datasets.

Objectives:
- Describe data sources and tools needed to analyze publicly available data
- Guide participants in accessing data and analyzing a sample dataset
- Enable participants to develop a research question and plan using publicly available data

Leader: Charlotte Lewis, Co-Leaders: Helen Lee, Michelle Garrison, Christy McKinney

A number of nationally-representative datasets are publicly available, at little or no cost, for use in studying important pediatric health issues. These ready-made data allow completion of a research project within a relatively short time span. In this workshop, we will describe data sources and tools needed to analyze publicly available data. Participants will have hands-on practice obtaining and preparing a dataset and then conducting descriptive data analysis. Participants will work in small groups to develop their own research question and plan. At the end of this workshop participants will be prepared to embark on their own research project using publicly available data.
2480 Strategies for Simulation Based Competency Assessment of Procedural Skills
PAS Workshop
Vancouver Convention Centre - West 218

Target Audience: Junior, Midlevel, Senior faculty interested in training, assessment, and curriculum development for procedures.

Objectives:
- Describe key concepts in the development of procedural checklists, competency, and training
- Appraise and apply checklists to simulated procedures
- Create a plan to implement competency-based assessment programs for various procedures with a four step process

Leader: Pavan Zaveri, Co-Leaders: Todd Chang, Marc Auerbach, Marjorie Lee White, Taylor Sawyer, Maybelle Kou, Cara Doughty

In the simulation paradigm of see one, practice many, and then do one, how many is enough? Through a series of brief didactics and small and large group discussions, we will develop and share a model to develop simulated procedural training and competency-based assessment programs for psychomotor skills assessment. Further, despite increasing mandates from accreditation bodies to ensure procedural competence, validated measures to assess procedural competence are not widely available. This workshop is designed to review checklist development to have participants apply and appraise checklists in direct observation of procedures. Participants will leave the workshop with strategies for implementing checklists in a competency-based assessment program for procedures at their own institutions.

12:00pm-3:00pm

2482 Tips, Tools and Tricks for Teaching Behavioral and Mental Health In Continuity Clinic
PAS Workshop
Vancouver Convention Centre - West 217

Target Audience: Any clinician or educator who wants to improve their skills in recognizing, managing, and teaching pediatric behavioral and mental health in primary care.

Objectives:
- Become familiar with a new case-based American Academy of Pediatrics curriculum to address behavioral and mental health problems in primary care
- Understand the common factors approach for engaging families in discussions about behavioral and mental health concerns
- Gain skills and practice using a variety of techniques and tips to aid parents and children with common behavioral and mental health problems

Leader: Cori Green, Co-Leaders: Olivia Chiang, Riley Franklin Trimm, Nathan Blum, Barry Solomon, Lynn Garfunkel

While greater than 20% of children and adolescents in the US have a behavioral and mental health (BMH) problem, few are recognized and less are treated. Pediatricians need to integrate BMH care into the primary medical home suggesting new curriculum during residency training is needed. Interdisciplinary faculty from five residency training programs and members of the AAP’s Mental Health Leadership Resident Education workgroup will lead this interactive skill-building workshop. Participants will leave with improved skills in recognizing, managing, and teaching BMH care. An AAP curriculum will be introduced including an evidence-based communication strategy for engaging families in managing BMH concerns and video-taped case-based vignettes on mild to moderate anxiety. Participants will also learn about and practice using a variety of techniques that can be used during routine office visits to aid parents and children in management of common BMH issues (i.e. anxiety, anger, defiance, depression). In small groups, participants will strategize how the curriculum and techniques can be implemented at their home institutions.

12:00pm-3:00pm

2484 Transforming Residency Advocacy Training: Applying Quality Improvement Tools to Enhance Your Program
PAS Workshop
Vancouver Convention Centre - West 114

Target Audience: Program directors, faculty (especially junior faculty), and student/residents/fellows interested in advocacy training and community pediatrics.

Objectives:
- Describe how to use several QI tools to facilitate improvement in advocacy training
- Develop an aim statement and a list of potential changes and measures for your advocacy program, building off of CPTI’s change package
- Outline plans for a PDSA cycle to begin changes in your advocacy program

Leader: Greg Randolph, Co-Leaders: CODY CONKLIN-AGUILERA, Dina Lieser, Sara Bode, Jeff Kaczorowski

Providing meaningful, effective advocacy training, an ACGME requirement, remains a challenge for many residency programs. In this workshop, leaders and program participants from the AAP Community Pediatrics Training Initiative (CPTI) will assist participants with developing actionable plans to make improvements to their advocacy training programs. CPTI has used the innovative approach of integrating quality improvement (QI) methods and tools for residency program advocacy transformation. After a brief overview of CPTI, CPTI’s 6 domains of advocacy competencies, a newly developed change package (highlights key changes and gives practical examples of how they are applied) and the QI tools CPTI has used, participants will then participate in a brainstorming and prioritization exercise in dyads to identify potential change ideas for their programs. Next, participants will be guided through a series of work sessions to independently create several QI foundational tools: an aim statement, a list of QI project measures, and a PDSA cycle. Providing meaningful, effective advocacy training, an ACGME requirement, remains a challenge for many residency programs. In this workshop, leaders and program participants from the AAP Community Pediatrics Training Initiative (CPTI) will assist participants with developing actionable plans to make improvements to their advocacy training programs. CPTI has used the innovative approach of integrating quality improvement (QI) methods and tools for residency program advocacy transformation. After a brief overview of CPTI, CPTI’s 6 domains of advocacy competencies, a newly developed change package (highlights key changes and gives practical examples of how they are applied) and the QI tools CPTI has used, participants will then participate in a brainstorming and prioritization exercise in dyads to identify potential change ideas for their programs. Next, participants will be guided through a series of work sessions to independently create several QI foundational tools: an aim statement, a list of QI project measures, and a PDSA cycle.

12:00pm-3:00pm

2486 Web-Based Global Health Education in Residency: The Global Child Health Educational Modules
PAS Workshop
Vancouver Convention Centre - West 116

Target Audience: Students/residents, faculty educators, program directors interested in teaching and curriculum development in global health topics.

Objectives:
- Describe key components of the Global Child Health Educational Modules Program (GCHEMP) and strategies to promote effective independent learning
- Explore effective strategies to incorporate GCHEMP into residency programs
- Evaluate progress toward GH competencies and ACGME pediatric milestones

Leader: Suzinne Pak-Gorstein, Co-Leaders: Deborah Campbell, Brian Good, Salwa Khan, Cinnamon Dixon, Troy Jacobs, Kevin Chan, Michelle Eckerle, Michael Pit, Colleen Fulp

GCHEMP involves a series of interactive, case-based, audio-sound, peer-reviewed web modules that highlight public health and pediatric perspectives in global health. This workshop will equip participants with tools to develop and augment
residency GH curricula through use of the GCHEMP modules, while assisting programs to meet ACGME pediatric milestones. The facilitators, with extensive GH experience, are developers of the modules. Topics include: Preparing for GH electives, Cultural aspects of GH, Child Malnutrition in Developing countries, Approach to Respiratory illness, Trauma, Injury Prevention, and Diarrhea. Diseases. Explore a module: http://depts.washington.edu/gcheemp/Malnutrition/player.html.

Small groups will engage in hands-on module demonstrations and explore strategies for integrating the modules into training. Facilitators will then present a framework to incorporate the modules into residency curriculum. A CD of tools will be distributed that includes GH curriculum planning template, learner performance metrics, and module teaching instruments (focus questions for discussion, pre/post questionnaires, web resources, etc), along with links to sample on-line modules. A second small group session will guide participants in the application of these tools and framework and design a plan to evaluate and implement training. Participants are encouraged to bring own laptop to view the modules and thumbdrive to load materials if preferred; extra laptops will also be provided at the workshop.

12:00pm-3:00pm

2488 Women and Minorities: Academic Advancement Planning & Effective Negotiating
PAS Workshop
Vancouver Convention Centre - West 117

Target Audience: fellows; junior faculty, mid career faculty, senior faculty, division chiefs, and program directors.

Objectives:
- Understand academic advancement/career planning
- Develop academic development/career plan for upcoming academic year
- Discuss strategies to effectively negotiate for resources, time & opportunities for advancement

Leader: Suzette Oyeku, Co-Leaders: Denice Cora-Bramble, Carol Berkowitz

This highly interactive workshop on career development will focus on understanding academic advancement/career planning; developing academic development/career plans for the upcoming academic year and discussing strategies to effectively negotiate for resources, time & opportunities for academic advancement.

12:00pm-3:00pm

2490 Division Directors
APA Special Interest Group
Vancouver Convention Centre - West 219

Chairs: John Walter Harrington, john.harrington@chkd.org, and Mary K. Rogers, mary.rogers@carolinasharecare.org

The Division Directors SIG is a forum for academic division and section directors in the APA to meet and share information regarding issues such as academic development and promotion, financial constraints, and educational and research priorities. We encourage all directors of General Pediatrics, Ambulatory Pediatrics, Hospitalist Medicine, Adolescent Medicine, Development and Behavioral Pediatrics, and Child Abuse Pediatrics to attend.

This year the Division Directors SIG will discuss PROFESSIONALISM, one of the core competencies of the ACGME Pediatric Milestones Project. This workshop will examine:
- current professionalism practices in attendees' own divisions/programs
- barriers faculty perceive in teaching and evaluating professionalism
- models for teaching and assessing the professionalism principles of both faculty and residents
- the importance of role modeling as a teaching tool for both junior faculty, fellows, and residents
- recent concerns about social media and professional behavior

- available resources on the topic.

12:00pm-3:00pm
The Pediatric Tobacco Issues SIG brings together child healthcare professionals and researchers dedicated to eliminating the dangerous consequences of tobacco use and secondhand smoke in children, adolescents, and their families. Our 2014 SIG meeting will bring you up to date on important issues such as the Tobacco21 Policy Initiative, Electronic Cigarettes, and Updates on Clinical and Public Health Best Practices. Come join us in an interactive discussion with our guest, Beverly May from the Campaign for Tobacco Free Kids, and our diverse expert panel.

1. Introduction - Deepa Camenga, MD, MHS & Kevin Nelson, MD
2. Provisional Section on Tobacco (AAP) - Karen Wilson, MD, MPH
3. Key Note - Tobacco 21/e-Cigarettes – Beverly May (Campaign for Tobacco Free Kids)
4. Tobacco Policy Update - Jonathan Winnickof, MD, MPH
5. Break 15 min

Target Audience: All child health clinicians and scientists.
Objectives:
- Demonstrate how strong policy can translate developmental science into lifelong population health
- Describe how home visiting works with other health and community system innovations to improve child health
- Identify a research agenda for home visiting

Chairs: Cynthia S. Minkowitz, Johns Hopkins Bloomberg School of Public Health, Wilmington, DE, and David W. Willis, HRSA, Maternal and Child Health Bureau, Rockville, MD

In March 2010, the Affordable Care Act authorized the creation of the Maternal, Infant, and Early Childhood Home Visiting program (MIECHV) and appropriated $1.5 billion over five years to improve health and development outcomes for at-risk children through evidence-based home visiting. This is a tremendous opportunity for clinicians to partner with community-based programs to mitigate the impact of toxic stress on child development. Home visiting may work synergistically with other parts of the Affordable Care Act, including patient centered medical homes and accountable care organizations, as a way to maximize the potential of every child. Clearly, such efforts require the development of a compelling research agenda related to home visiting. This topic symposium highlights how home visiting translates developmental science into lifelong health promotion, describes how home visiting works with other health and community system innovations to improve population health, and introduces a new home visiting research agenda.

12:30 Unprecedented Opportunities to Promote Lifelong Health
Cynthia S. Minkowitz, Johns Hopkins Bloomberg School of Public Health, Wilmington, DE

12:35 Home Visiting: A Federal Perspective
David W. Willis, HRSA, Maternal and Child Health Bureau, Rockville, MD

12:45 Translating Developmental Science into Lifelong Health
Andrew S. Garner, Case Western Reserve University School of Medicine, Westlake, OH

1:05 Coordinating Home Visiting and the Medical Home
Colleen A. Kraft, Virginia Tech Carilion School of Medicine and Research Institute, Roanoke, VA

1:25 Policy and Practice to Address Adverse Childhood Experiences in Washington State
Laura Porter, ACE Interface, LLC, Shelton, WA

1:45 The Home Visiting Research Agenda: Connections with the Medical Home
Anne M. Duggan, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2:05 Discussion

Jointly sponsored by the American Academy of Pediatrics, the Pediatric Academic Societies and the Pediatric Academic Societies
The APS Advocacy Committee and the AAP Committee on Pediatric Research established a Success Story Project to collect research success stories that demonstrate the value of research in children and the tremendous return on investment such research support has produced, in improved health and in economic contributions of the healthier children throughout their lifespan. This symposium will review the Success Story project, including summarizing the collected examples to date, reviewing the findings from the AAP COPR and their plans for dissemination, reviewing the economic benefits of child health research, and discussing future plans of action, including advocacy actions by the Pediatric Policy Council to assist in engaging the support of members of Congress, presentation to Dr. Francis Collins of the NIH, and to other organizations advocating for pediatric research support, and to provide guidance for PAS attendees about how to advocate for research support for children.

**1:00 How the Success Story Project Got Started**
William W. Hay, Jr., University of Colorado School of Medicine, Aurora, CO

**1:10 Examples of Child Health Research Success**
Scott Christopher Denne, Indiana University, Indianapolis, IN

**1:35 Priorities for Child Health Research**
Tina Cheng, Johns Hopkins University School of Medicine, Baltimore, MD

**2:00 Economic Impacts of Child Health Research Success**
Lisa A. Prosser, University of Michigan, Ann Arbor, MI

**2:25 Using Success Stories for Advocacy**
Mark Del Monte, American Academy of Pediatrics, Washington, DC

**2:50 Discussion**

Jointly sponsored by the American Pediatric Society and the Pediatric Academic Societies

**2655A Chronic Kidney Disease After Acute Kidney Injury**
ASPEN Topic Symposium
Vancouver Convention Center - West 211

Target Audience: Pediatric nephrologists, Pediatric ICU, Pediatric cardiologists

Session Content Is: Clinical Basic Science Translational Career-Related Acute kidney injury (AKI) affects many children admitted to the intensive care unit. Over the last few years, it has been increasingly recognized that children with AKI are at risk of developing chronic kidney disease (CKD) in the future. This session will review the epidemiology of CKD as a result of AKI, as well as biomarkers that can potentially be used in the acute setting to identify patients at high risk of progression. Also discussed will be the risk factors for CKD after AKI in high risk populations including children with hemolytic uremic syndrome, after cardiopulmonary bypass, and in the neonatal period. Strategies for prevention, identification, and follow up will be discussed.

Objectives:
- Understand the risk factors associated with progression from AKI to CKD
- Realize critical issues with special populations and their unique risk for developing CKD

Chairs: David Selewski, University of Michigan / C.S. Mott Children’s Hospital, Ann Arbor, MI, and Prasad Devarajan, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

**1:00 Epidemiology of CKD after AKI: Overview, Biomarkers, and Pathophysiology**
Cherry Mannen, University of British Columbia, Division of Nephrology, British Columbia Children's Hospital, Vancouver, BC, Canada

**1:25 CKD after Shiga-Toxin (STEC) Positive HUS**
Lawrence Copelovitch, Children's Hospital of Philadelphia, Philadelphia, PA

**1:50 CKD after Cardiac Surgery in Pediatrics**
Catherine Morgan, University of Alberta, Edmonton, AB, Canada

**2:15 CKD after Neonatal AKI**
David J. Askenazi, University of Alabama, Birmingham, Birmingham, AL
Target Audience: Clinical researchers, clinicians, trainees, and others involved in pediatric clinical trials and product development.

Objectives:
- Review the current gaps in knowledge regarding longterm safety of drugs in children
- Review current opportunities to address the gaps in our knowledge about longterm safety of drugs in pediatric populations
- Explore critical areas of safety assessment in children as priorities for additional research

Chairs: Debbie S. Gipson, University of Michigan, Ann Arbor, MI, and Michael G. Spigarelli, University of Utah, Salt Lake City, UT

Many drugs used in children have not been approved for pediatric use and when studies are done they typically look at short-term effects. A recent review by the Institute of Medicine recognized a significant gap in our understanding of the longterm effects of drugs used in children, particularly newborns. This symposium will review the current gaps in our knowledge of drug safety in children, review new opportunities in drug safety evaluation, explore ways of improving tracking for assessment of late outcomes, and describe educational and other needs in this area.

1:00 How Much Do We Know about the Longterm Safety of Drugs in Children?
Steven E. Lipshultz, University of Miami School of Medicine, Miami, FL

1:20 Current Regulatory Systems for Tracking Longterm Safety of Drugs in Children
Mary Dianne Murphy, Food and Drug Administration, Silver Spring, MD

1:40 New Approaches to Development of Longitudinal Safety Data in Children
Anne Zajicek, NIH/NICHD, Bethesda, MD

2:00 Harmonizing Our Language to Enable Longterm Follow-Up
S. Hirschfeld, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD

2:20 Issues in Drug Safety and Longterm Follow-Up for Newborns
Jonathan Michael Davis, The Floating Hospital for Children at Tufts Medical Center, Boston, MA

2:40 Enabling the Collection of Longterm Data in Children for the Future
Debbie S. Gipson, University of Michigan, Ann Arbor, MI

1:00pm-3:00pm

2665 New Concepts in Beta Cell Biology
PAS State of the Art Plenary
Vancouver Convention Centre - West 306

Chairs: Maureen An-Ping Su, UNC Chapel Hill, Chapel Hill, NC, and Patricia M. Vuguin, Cohen Children’s Hospital, Lake Success, NY

Target Audience: Academic general pediatrics, pediatric endocrinologists, pediatric gastroenterologists

Objectives:
- Understand recent breakthroughs in genetic causes of Beta cell dysfunction.
- Understand recent development in trophic factors important in Beta cell regeneration.
- Understand the state-of-the-art in islet transplantation/replacement.

Understanding beta cell biology is key for preventing and treating a number of diseases, including Type 1 and Type II Diabetes Mellitus, maturity onset diabetes of the young (MODY), neonatal hyperinsulinism, neonatal diabetes, and insulinomas. Recently, major advances have been made in our understanding of beta cell development, regeneration, and function. This symposium will provide updates on recent developments in key areas of beta cell biology and transplantation as they relate to pediatric diseases.

1:00 Islet Cell Transplantation for Type 1 Diabetes Mellitus
Peter Stock, University of California, San Francisco, San Francisco, CA

1:30 Can an Endogenous Source Be Used for beta Cell Replacement Therapy for Diabetes?
Susan Bonner-Weir, Harvard Stem Cell Institute/Joslin Diabetes Center, Boston, MA

2:00 The Role of Aging in à Cell Regeneration
Jake A. Kushner, Baylor College of Medicine, Houston, TX

2:30 Making Islet Cells from Stem Cells to Treat Diabetes
Timothy J. Kieffer, University of British Columbia, Vancouver, BC, Canada

1:00pm-3:00pm

2670A New Developments and Controversies in Tick-Borne Diseases
PIDS Topic Symposium
Vancouver Convention Centre - East Ballroom B

Target Audience: General pediatricians, faculty, and fellows in emergency medicine, hospital medicine, infectious diseases, and rheumatology, epidemiologists, health care workers, investigators, lab personnel, microbiologists, nurses, public health practitioners, and researchers with interest in the controversies and new developments surrounding tick-borne diseases.

Objectives:
- Identify the epidemiology and geographic distributions of infected ixodid ticks in the United States that transmit pathogens that cause disease in children.
- Know how to evaluate and manage children with Lyme disease and recognize medically unexplained symptoms masquerading as Lyme disease and the most effective ways to manage patients and families with this problem.
- Know the clinical presentations of other tick-borne illnesses transmitted by ixodid ticks like anaplasmosis, babesiosis, powassan virus and the newly described recurrent fever due to Borrelia miyamotoi.

Chair: Roberto P. Santos, Children’s Hospital at Albany Medical Center, Albany, NY, and Eugene D. Shapiro, Yale University School of Medicine, New Haven, CT

In 2006, the Infectious Disease Society of America published its evidence-based practice guidelines on Lyme disease, anaplasmosis, and babesiosis. In April 2012, the American Academy of Pediatrics published “Tick-Borne Infections” in audio format in addition to the most recent edition of Red Book. Despite these updates and provisions there remain many controversies and much misinformation regarding the clinical presentation, diagnosis, management, and prevention of Lyme disease. In this symposium, experts will discuss not only controversies and new developments in tick-borne illnesses transmitted by ixodid ticks, but also how providers can address issues, often raised by families, about persistent, non-specific symptoms. Evidence-based approaches to diagnosis, treatment, and outcomes of Lyme disease, anaplasmosis, babesiosis, and the newly described recurrent fever due to Borrelia miyamotoi will be discussed.

1:00 Epidemiology and Geographic Distributions of Infected Ixodid Ticks
Margaret C. Fisher, The Children’s Hospital at Monmouth Medical Center, Long Branch, NJ

1:30 Lyme Disease: Diagnosis and Management of B. burgdorferi infection and of Medically Unexplained Symptoms Masquerading as Lyme disease
Eugene D. Shapiro, Yale University School of Medicine, New Haven, CT

2:15 Anaplasmosis, Babesiosis, Powassan virus and Borrelia miyamotoi infections
Sunil K. Sood, Cohen Children’s Medical Center of New York, Hofstra North Shore-LIJ School of Medicine, New York
Objectives:
- To summarize the new neuroprotective strategy regarding the pathogenesis of neonatal HIE
- To describe the nationwide data regarding the incidence and cause of neonatal HIE
- To discuss the candidate strategies and the potential targeted therapy for newborns suffering with HIE

Chairs: Charles M. Cotten, Duke University, Durham, NC, and Haruo Shintaku, Osaka-City University, Osaka, Japan

In Japan, we have decreased number of neonatal death cases due to neonatal hypoxic-ischemic-encephalopathy (HIE), since we started neonatal resuscitation network on 2007 in addition to hypothermia therapy. However many of neonatal HIE have got severe neurological sequelae such as cerebral palsy, epilepsy and intellectual disabilities. Therefore, a sophisticated system of neuroprotective therapy must be organized. In 2012 nationwide registration system of hypothermia therapy for neonatal HIE had started, and in 2013 clinical studies of autologous cord blood therapy for HIE are starting in Japan. In this session, we focus how to develop the new therapeutic targets and how to recruit neuroprotective strategy for newborns with HIE.

1:00 New Neuroprotective Strategy Regarding the Pathogenesis of Neonatal HIE
Charles M. Cotten, Duke University, Durham, NC

1:15 The Incidence of HIE and the Nationwide Registration System of Brain Hypothermia for Infants with HIE
Masanori Tamura, Saitama Medical Center, Saitama Medical University, Kawagoe, Saitama, Japan

2:00 Candidate Strategies and Potential Targeted Therapy for Newborns Suffering from HIE
Makoto Nabetani, Yodogawa Christian Hospital, Hospice-Children’s Hospice Hospital, Osakashi, Osaka, Japan

2:15 HUCB Transplant Therapy in Neonatal HIE Models, Highlighting Potential Mechanisms of Action
Cesar V. Borlongan, University of South Florida College of Medicine, Tampa, FL

1:00pm–3:00pm

2680A Pediatric Bone Disease – Beyond the Bare Bones
PES Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatricians and pediatric endocrinologists, adolescent medicine specialists, geneticists, nephrologists, pulm onologists, rheumatologists, rehabilitation medicine specialists, and oncologists.

Objectives:
- Discuss appropriate assessment of bone disease and treatment options in childhood osteoporosis and in childhood overgrowth syndromes.
- Recall the effects of chronic disease and glucocorticoids on pediatric bone health.
- Explain the role of bisphosphonate and enzyme replacement therapy in the treatment of pediatric bone disease.

Chairs: Laura K. Bachrach, Stanford University School of Medicine, Stanford, CA, and Seth D. Marks, University of Manitoba and Winnipeg Children’s Hospital, Winnipeg, MB, Canada

Pediatric bone health is an evolving area of pediatric care with patients presenting regularly to general and subspecialty pediatricians’ offices. Children’s bone health can be affected by inherited bone disorders, chronic disease, and medications such as glucocorticoids. The diagnosis, treatment, and outcome of children with bone disease is a controversial and continually evolving field. This symposium will address updates in our understanding of selected genetic syndromes with bone involvement, effects of chronic disease and glucocorticoids on bone, bisphosphonate therapy in children, and the promise of bone targeted enzyme replacement therapy.

1:00 Bone Mass Effects and Fracture Risk in Children Receiving Glucocorticoid Therapy – STOPP-CIS (Steroid-Induced Osteoporosis in the Pediatric Population – Canadian Incidence Study)
Leanne Marie Ward, Department of Pediatrics, Ottawa, ON, Canada

1:30 Bisphosphonate Therapy in Children – In Osteogenesis Imperfecta and Beyond?
Frank Rauch, McGill University, Montreal, QC, Canada

2:00 Hypophosphatasia – Enzyme Replacement Therapy Changing the Outcome of a Life Threatening Pediatric Bone Disease
Cheryl R. Greenberg, Children’s Hospital, Winnipeg, MB, Canada

2:30 Overgrowth Syndromes with Skeletal Involvement
Keiichi Ozono, Osaka University, Graduate School of Medicine, Suita, Osaka, Japan

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

1:00 Vitamin D and Glucocorticoids Synergistically Reduce Ubiquitin C in Asthmatic Airway Epithelium.

1:15 Association Between Maternal Prenatal Vitamin D Levels and Early Childhood Wheeze.
Shanda A. Vereen, Praveen Potukuchi, Mehmet Kocak, Frances A. Tylavsky, Keicia N. Carroll. Publication 2700.2

1:30 A Multifaceted Prompting Intervention for Urban Children With Asthma: Results of a Randomized Trial.
Jill S. Halterman, Maria Fagnano, Paul J. Tremblay, Susan Fisher, Hongyue Wang, Cynthia Rand, Arlene Butz. Publication 2700.3

1:45 Quality Improvement Methods Increase Inhaled Corticosteroid Prescribing in the Emergency Department.

2:00 Safety and Efficacy of Continuous Albuterol in the Non-Intensive Care Setting.
Chen C. Kenyon, Evan S. Fieldston, Xianqun Luan, Ron Keren, Joseph J. Zorc. Publication 2700.5

2:15** Spectrum of Disease and Type-Specific Severity of Lower Respiratory Illness Associated With Human Rhinovirus (HRV) in Children.
Ashleisha Kaushik, War-Ming Lee, Ruth Levitz, Margaret Trost, Carla Garcia, Michelle Gill. Publication 2700.6

2:30* Are We Falling Short on Quality of Care for US Children With Persistent Asthma? Asthma Medication Ratio (AMR) Secular Trends and Sociodemographic/Ambulatory-Care Correlates in the 2006-2010 Medical Expenditure Panel Survey (MEPS).
Y. Pengetnze, H. Lin, G. Flores. Publication 2700.7

2:45 Impact of Increased Cost-Sharing for Asthma Rescue Medications.
A.A. Galbraith, V. Fung, L. Li, M. Butler, J. Nordin, J. Hsu, W.M. Vollmer, I. Miroshnik, A. Wu. Publication 2700.8
1:00–3:00 pm

2705 Disparities in the Health of Underserved Children: Implications for Population Health Management
Platform
Vancouver Convention Centre - Room West 111-112

Chairs: Elizabeth Goodman and Earnestine Willis

1:00 A Systematic Evidence-Based Quality Measurement Lifecycle Approach for Vulnerable Children. Denise Dougherty, Kamila Mistry, Maushami DeSoto, Olivia Lindly. Publication 2705.1


1:45 Trends in Abusive Head Trauma Rates and Economic Stress Indicators. Joanne N. Wood, Oludolapo Fakaye, Benjamin French, Kenneth Feldman, Anthony Fabio, Kathi L. Makoroff, Phillip Scribano, Rachel Berger. Publication 2705.4

2:00 Rates of Cardiovascular Risk Factors and Other Chronic Health Conditions in Former Foster Youth Compared With Economically Secure and Insecure General Population Young Adults. Kym Ahrens, Michelle Garrison, Mark E. Courtney. Publication 2705.5

2:15 Racial/Ethnic Diversity in Pediatric Oncology Clinical Trial Enrollment at Rady Children’s Hospital San Diego. Paula Aristizabal, Mehrzad Milburn, Elena Martinez, Deborah Schiff. Publication 2705.6

2:30 Variation in Care for Hospitalized Children Associated With Preferred Language and Insurance Type. K. Casey Lion, Davene Wright, Rita Mangione-Smith. Publication 2705.7


1:00 pm–3:00 pm

2710 General Pediatrics: Obesity II
Platform
Vancouver Convention Centre - Room West 214

Chairs: Marina Reznik and Deepa Sekhar

1:00* Pediatric Wellness Action Plans – A Randomized Controlled Trial Addressing the Obesity Epidemic. Roohi Y. Kharaofa, Nicholos Organ, John R. Meurer. Publication 2710.1


1:30 Improving Exclusive Human Milk Rates in Well Baby Nurseries Through a Collaborative, Hospital-Based Quality Improvement Initiative. Nancy H. DeMaria, Keith M. Cochran, Tammy L. Hailthcox, Tara B. Rouse, Martin J. McCaffrey. Publication 2710.3

1:45 Rapid Growth in Early Childhood Predicts Risk of Increased Adiposity and Insulin Resistance in Native Hawaiian and Samoan Adolescents. May M. Okihiro, Alana Ju, James Davis, David Easa. Publication 2710.4

2:00 Reducing Obesity Through Home-Based Individual Self-Discovery With Community Health Workers. Molly A. Martin, Elizabeth Lynch. Publication 2710.5


2:45 Assessment of a New Protocol Embedded in the Electronic Medical Record for the Assessment and Management of Childhood Overweight/Obesity. John C. Rausch, Michael Rosenbaum, Laura Robbins-Milne, Liana Lau, Patricia Hametz. Publication 2710.8

1:00 pm–3:00 pm

2715 General Pediatrics: Prevention, Public Health & Healthy Behavior
Platform
Vancouver Convention Centre - Room East 11

Chairs: Patrick Vivier and Daniel Levy

1:00* Advice for Infant Preventive Health Practices from a National Sample of Mothers: the Study of Attitudes and Factors Affecting Infant Care (SAFE). Staci R. Eisenberg, Timothy Heeren, Megan H. Bair-Merritt, Eve R. Colson, Michael J. Corwin. Publication 2715.1


1:45 Characterization of Preschoolers’ Active Play Opportunities at Child Care. Pooja S. Tandon, Brian E. Saelens, Dimitri A. Christakis. Publication 2715.4

2:00* A Training Program Improves Poor First Aid Knowledge and Skills Among Primary School Teachers in Ibadan, Nigeria. Abdulmumin Ibrahim, Nadia A. Sam-Agudu, Ugbede M. Omaye, Boniface A. Ushie, Adesola O. Sangowawo, Olayemi O. Omotade. Publication 2715.5


2:30 A Longitudinal Study of Internet Alcohol Advertising and Youth Drinking. Auden C. McClure, Susanne E. Tanski, Zhigang Li, James D. Sargent. Publication 2715.7

2:45 Media, Marketing and Youth Alcohol Expectancies Among Never Drinkers. Susan Swain, Auden C. McClure, Susanne E. Tanski, James D. Sargent. Publication 2715.8

1:00 pm–3:00 pm

2720 Global Pediatric Research: Perinatal / Neonatal
Platform
Vancouver Convention Centre - Room West 110

Chairs: Edward Liechty and Jennifer Read


1:15 Access To Antibiotics for Treating Neonatal Infections in Low and Middle Income Countries: A Systematic Review. Anne C.C. Lee, Aruna Chandran, Naoko Kozaki, Mohammad Shah. Publication 2720.2
2730 Neonatal Cardiology
Platform
Vancouver Convention Centre - Room West 121-122

Chairs: Michael Artman and Jeffrey Segar

1:00* Inhibition of Phosphodiesterase 1C (PDE1C) and Phosphodiesterase 5 (PDE5) Prevent Hypoxia-Induced Right Ventricular Hypertrophy (RVH) in Neonatal Mice. Rachel P. Heilmann, Megan B. Lagoskii, Keng Jin Lee, Joann M. Taylor, Gina A. Kim, Robin H. Steinhorn, Sara K. Berkelhammer, Kathryn N. Farrow. Publication 2730.1

1:15 Neonatal Mouse Heart Maturation: Transcriptome-Wide Analysis Reveals Chamber-Specific Exon Enrichment of Cell Cycle Genes. Marlin Touma, Xuedong Kang, Jae-Hyung Lee, Xinshu Xiao, Yibin Wang. Publication 2730.2

1:30 The SSR1s Fluoxetine and Sertraline Alter Fetal Ductus Arteriosus Tone Ex Vivo. Christopher Hooper, Taylor Streeter, Stanley Poole, Naoko Brown, Elaine Shelton, Robert Cotton, Jeff Reese. Publication 2730.3

1:45* Gene Expression of the Ductus Arteriosus and Aorta from Neonates and Infants. Practik Parikh, George Allieris, Michael Swartz, David Dean. Publication 2730.4

2:00* Pumpless Neonatal Lung assist Device—Effects of Extracorporeal Circulation on Cardiovascular Function in Newborn Piglet Model. Niels Rochow, Juhina Elmajdoub, Dragos Predescu, Gerhard Fusch, Shelley Monkman, Christoph Fusch. Publication 2730.5

2:15 Comparison of Enteral Paracetamol and Intravenous Indomethacin in Closure of Patent Ductus Arteriosus (PDA) in Preterm Newborns: A Randomized Controlled Trial. Nandkishor S. Kabra, Swarup Kumar Dash. Publication 2730.6


2:45* Pharmacological Closure of Patent Ductus Arteriosus (PDA) With Indomethacin or Ibufrofen in ELBW (< 1000 gm) Infants – A Randomized Control Trial. Tsu F. Yeh, Adrian Florens, Shou Y. Wu, Chung M. Chen, Yung T. Ko, Tsai C. Li, Chang H. Tsai. Publication 2730.8
2:15  Primary Care Providers’ Interpretation and Management of Cystic Fibrosis Newborn Screening Results. Caitlin C. Finan, Samya Z. Nasr, Beth A. Tarini. Publication 2715.6

2:30  Project TEACH: Improving Management of Youth Mental Health Disorders. Anne M. Gadomski, Marleen Radigan, Kimberly E. Hasgwood, Jeffrey M. Daly, David L. Kaye, Lawrence S. Wissow. Publication 2715.7

2:45  The ROAD Study: Collaborative Care To Improve Outcomes for Adolescent Depression in Primary Care. Laura P. Richardson, Evette Ludman, Elizabeth McCauley, Wayne Katon. Publication 2735.8

2:00-3:00pm 2765A Neonatal Sepsis Club
Vancouver Convention Centre - East Ballroom A

2:00  TBD
David Alan Kaufman, University of Virginia School of Medicine, Charlottesville, VA

Contact for information:
David Kaufman
University of Virginia School of Medicine
University of Virginia Children’s Hospital
Phone: 434-924-9114
Email: dak4r@virginia.edu

3:30-5:30pm 2780  Adrenal Function in the Preterm and Sick Term Neonate: Reliability of Assessment and Effects of Treatment
PAS Topic Symposium
Vancouver Convention Centre - West 220

Target Audience: This topic symposium will be of great interest to practicing Neonatologists, Pediatric Endocrinologists and Pediatric Intensivists who are asked to evaluate infants with possible adrenal insufficiency since there are no clear diagnostic criteria for this life-threatening clinical condition.

Objectives:
- Review development of fetal HPA axis, adrenal gland and discuss molecular effects of glucocorticoids during gestation
- Summarize current methods of assessment of adrenal function testing, their accuracy, and rationale behind ACTH dose used in stimulation testing
- Discuss benefits and adverse effects of glucocorticoid replacement therapy in neonates

Chairs: David Langdon, Childrens Hospital of Philadelphia Division of Endocrinology and Diabetes, Philadelphia, PA, and Prem S. Shekhawat, MetroHealth Hospital, Case Western Reserve University, Cleveland, Ohio

Adrenal insufficiency is presumed frequently in preterm neonates and sick, term neonates. However, the accuracy and utility of current methods of evaluation of the HPA axis in these children have not been clearly established. This symposium will review the “state-of-science” of our understanding of the physiology and pathophysiology of adrenal function in neonates and discuss limitations of currently available adrenal function tests. The scientific basis for glucocorticoid replacement in infants diagnosed with transient or persistent adrenal failure and side effects of long-term glucocorticoid use in the preterm neonate will be addressed.

3:30  Scientific Basis for and Current Global Progress toward Elimination of Spina Bifida F and Anencephaly F
Godfrey Porter Oakley, Emory University Rollins School of Public Health, Atlanta, GA

3:45  Using Blood Folate Concentrations in Women of Reproductive Age to Monitor the Success of or Need for Countrywide Mordic Acid Fortification
Krista S. Crider, Centers for Disease Control and Prevention, Atlanta, GA

4:00  Evaluating Lack of Prevention with Case-Control Studies
Atsuo Kondo, Tsuchima Rehabilitation Hospital, Tsuchima, Japan

4:15  New Zealand and Australia: Sad Contrasts in Folic Acid Fortification Policy
Lyall G. Thurston, New Zealand Coalition of Parents of Children with Spina Bifida, Rotorua, New Zealand

4:30  Prevention of Spina Bifida F and Anencephaly F – WHO-South-East Asia Regional Office Perspective
Neena Raina, World Health Organization, Geneva, Switzerland

4:45  Birth Defects COUNT – CDC’s Global Neural Tube Defect Prevention Initiative
Cynthia A. Moore, CDC, Atlanta, GA

5:00  Discussion

Jointly sponsored by the March of Dimes and the Pediatric Academic Societies
3:30 Factors Associated with Non-Adherence in Adolescence
Tim Wysocki, Nemours Children's Health System, Jacksonville, FL

4:00 Design Thinking for Creating Adherence Interventions in Adolescents
Joyce M. Lee, University of Michigan, Ann Arbor, MI

4:30 Increasing Family Involvement to Reduce Non-Adherence
Lori M.B. Laffel, Joslin Diabetes Center, Boston, MA

5:00 The Use of Technology to Improve Compliance in Adolescents with Chronic Medical Conditions
Patrick Brophy, University of Iowa Children's Hospital, Iowa City, IA

3:30-5:30pm

2800A Immune Dysregulation: New Paradigm in Genetic Immune Disorders
ASPR Topic Symposium
Vancouver Convention Centre - West 119-120

Target Audience: Pediatric allergy/immunologists and general pediatricians.

Objectives:
- To overview the recent discovery of primary immunodeficiency diseases causing autoimmunity and auto-inflammation
- To understand their clinical pictures and pathophysiological mechanism to differentiate from autoimmune and/ or rheumatic diseases
- To understand the diagnostic procedures and the treatments

Chairs: Michael J. Tansey, University of Iowa, Iowa City, IA, and Neil H. White, Washington University in St. Louis, St. Louis, MO

Primary immunodeficiency diseases (PIDs) are caused by congenital defects in immune system and their signature phenotype is susceptibility to frequent and severe infections. Recent progress in the field of immunology and genetic analysis has revealed new aspects of PIDs: autoimmunity and auto-inflammation. In this mini-symposium, we pick up 4 disorders characterized by excessive immune reactions leading to uncontrolled inflammations due to congenital defects in immune regulatory mechanisms. We hope that understanding of these diseases would provide important insights into the pathophysiology of autoimmune and inflammatory disorders in general.

3:30 CAPS (Cryopyrin-Associated Periodic Syndrome) and Periodic Fever Syndromes
Harold Hoffman, University of California, San Diego, La Jolla, CA

4:00 IPEX (Immune Dysregulation, Polyendocrinopathy, Enteropathy, X-Linked) and Autoimmune Complications
Troy R. Torgerson, Seattle Children's Hospital Research Institute, Seattle, WA

4:30 XLP (X-Linked Lymphoproliferative Syndrome) and EB-Virus Infection
Hirokazu Kanegane, Toyama University, Toyama, Japan

5:00 FHL (Familial Hemophagocytic Lymphohistiocytosis) and Lymphocyte Homeostasis
Takahiro Yasumi, Kyoto University Graduate School of Medicine, Kyoto, Japan

3:30-5:30pm

2805 The Challenges of Adherence in Adolescents with Chronic Medical Disease
PAS Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, pulmonologists, adolescent medicine specialists and any physicians managing children with chronic medical problems.

Objectives:
- Understand the frequency of incomplete adherence in different adolescent populations
- Discuss the process of human centered design thinking and creating tools for adherence in adolescents with diabetes
- Identify and be able to use strategies to improve adherence

Chairs: Michael J. Tansey, University of Iowa, Iowa City, IA, and Neil H. White, Washington University in St. Louis, St. Louis, MO

Non-adherence in adolescents with chronic medical problems leads to increased morbidity and mortality. Recognizing the frequency of non-adherence and proactively managing can help improve the quality of healthcare provided to children and adolescents and ultimately lead to better outcomes. This symposium explores the factors and costs associated with poor adolescent adherence to prescribed medical therapies, and describes innovative strategies that target this important problem.
Chairs: Josef Neu, University of Florida, Gainesville, FL, and Phillip I. Tarr, Washington University School of Medicine, St. Louis, MO

The human microbiome has emerged in the past decade as a major area of inquiry in human biology. A variety of technological advances and biologic discoveries show that this biomass is a major determinant of growth, development, well-being and disease. Microbial populations are a vibrant driver of a variety of host processes, and their role in pediatrics, as in all of clinical medicine, had been overlooked until the past decade. These organisms are critical determinants of host pathophysiology. Several examples of the role of this biomass in human disease include growth and development, celiac disease, severe acute malnutrition, necrotizing enterocolitis, sepsis, infection resistance, and inflammatory bowel disease. Moreover, lifelong structure of these populations might be ordained in childhood. There are few areas of human biology that will be untouched by the emerging understanding of the power of microbial populations.

3:30 The Childhood Microbiome: Our Newly Recognized Partners in Health and Disease
Phillip I. Tarr, Washington University School of Medicine, St. Louis, MO

3:40 Our Microbial Populations: Proceed with Caution
Martin J. Blaser, New York University, New York, NY

4:15 Et tu, Celiac? The Role of Microbes in Gluten Sensitive Enteropathy
Alessio Fasano, Massachusetts General Hospital, Charlestown, MA

4:50 The Host Microbiome, and Infection Resistance and Susceptibility
B. Brett Finlay, The University of British Columbia, Vancouver, BC, Canada

Jointly sponsored by the American Pediatric Society, the North American Society for Pediatric Gastroenterology, Hepatology & Nutrition and the Pediatric Academic Societies

3:30 - 5:30 pm

2820 The Systems Biology of Complex and Rare Pediatric Diseases
PAS State of the Art Plenary
Vancouver Convention Centre - West 118

Target Audience: Pediatric and developmental translational researchers involved with understanding complex and rare diseases. Appeal will also be for the larger community of academic pediatric scientists who need new approaches for hypothesis generation and therapy discovery.

Objectives:
- List the disciplines often necessary to compose an effective systems biology research team
- Summarize how the systems biology approach has been effective in facilitates the generation of novel hypotheses focused on pediatric diseases
- Outline approaches to embed systems biology themes in pediatric translational research

Chairs: Dan M. Cooper, University of CA, Irvine, Orange, CA, and T. Mariani, University of Rochester Medical Center (URMC), Rochester, NY

The purpose of the Plenary Session is to introduce to pediatric and developmental scientists recent advances in the burgeoning field of systems biology that can be useful in discovery of disease mechanisms and therapies. Systems biology is an emerging translational research paradigm. It brings together engineers, mathematicians, computer scientists, and traditional biologists to forge a new field in which life is viewed from the perspectives of complex systems, networks, devices and design principles. Rare diseases of early development and childhood remain among the most troubling and difficult therapeutic challenges. In contrast to clinical trials in more common conditions which can often guide subsequent mechanistic discovery, we are typically unable to amass a rich data set on phenotypic impact in rare diseases. Despite half a century of remarkable progress in detailing thousands of genes, proteins, and their interactions, a complete and deep understanding of biological functions still eludes us.

3:30 Introduction
T. Mariani, University of Rochester Medical Center (URMC), Rochester, NY

3:35 How Can Systems Biology Help Us Understand Rare Diseases
Arthur D. Lander, UC Irvine, Irvine, CA

4:05 Systems-Based Approaches toward Wound Healing
Ellen Kuhl, Stanford University, Stanford, CA

4:35 Dissecting Spatio-Temporal Protein Networks Driving Human Heart Development and Related Disorders
Kasper Lage, Harvard University, Boston, MA

5:05 Its Reconstructing Dynamic Biological Networks for Developmental and Disease Progression Studies
Ziv Bar-Joseph, Carnegie Mellon University, Pittsburgh, PA

Jointly sponsored by the Consortium Child Health Oversight Committee and the Pediatric Academic Societies
3:30pm–5:30pm

**2830** Child Health & the Environment
Platform
Vancouver Convention Centre - Room West 111-112

Chairs: Sophie Balk and J. Routt Reigart

3:30  Stunted Growth in Early Childhood Is Associated With Exposure To Household Air Pollution. Lauren B. Kleimola, Peter P. Moschovis, Linda T. Wang, Patricia L. Hibberd.  
*Publication 2830.1*

*Publication 2830.2*

4:00*  Prenatal Exposure To Manganese and Associations With Neurodevelopment. Birgit Claus Henn, David C. Bellinger, Rebecca Jim, Earl Hatley, David C. Christiani, Brent A. Coull, Robert O. Wright.  
*Publication 2830.3*

**APA Student Research Award**

Anglina Kataria

*Publication 2830.4*

4:30  Triclosan and Paraben Exposure Is Associated With Allergen Sensitization. Adam J. Spanier, Tracy Fausnacht, Tareq F. Camacho, Joseph Braun.  
*Publication 2830.5*

4:45  Effects of Parental Smoking on Development of Childhood Cancers. Fumio Bessho, Masako Tanimura.  
*Publication 2830.6*

5:00  Pre/Postnatal Exposure To Pesticides (Propoxur and Pyrethroids) and Child’s Cognition at 4 and 6 Years of Age. Enrique M. Ostrea Jr., Ma. Esterlita Villanueva-Uy, Lisa Chiodo, James Janisse.  
*Publication 2830.7*

*Publication 2830.8*

3:30pm–5:30pm

**2835** Developmental / Behavioral Pediatrics: Autism, ADHD & Meds
Platform
Vancouver Convention Centre - Room East Ballroom C

Chairs: Tanya Froehlich and Robert Voigt

*Publication 2835.1*

*Publication 2835.2*

*Publication 2835.3*

4:15  Attention-Deficit/Hyperactivity Disorder (ADHD) in Young Children: Predictors of Diagnostic Stability. Evelyn Law, Georgios D. Sideridis, Lisa Albers Prock, Margaret A. Sheridan.  
*Publication 2835.4*

*Publication 2835.5*

4:45  Growth in the Concurrent Use of Antipsychotics With Other Psychotropic Medications in Medicaid-Enrolled Youth. Amanda Kreider, Meredith Matone, Christopher Belloni, Susan dosReis, Chris Feudtner, Yuan-Shung Huang, Russell Localio, David Rubin.  
*Publication 2835.6*

5:00*  Comparison of Processing Speed, Math Performance, and Reading Performance in ADHD Children on Paper vs. Digital Interfaces. Krish Suresh, Andrew Aderman, Nina Kohn, Obianuju Obioha, Clayton Li, Ruth Milanaik.  
*Publication 2835.7*

*Publication 2835.8*
Daily Programming

3:30pm–5:30pm

2850 Neonatal Epidemiology & Health Services Research
Platform
Vancouver Convention Centre - Room West Ballroom C

Chairs: Alex Kemper and Scott Lorch

3:30* Unpacking the “Center Effect”: Patient- and Hospital-Level Factors Associated With Improved Outcomes in Extremely Preterm Infants. Matthew A. Rysavy, Lei Li, Edward F. Bell, Abhik Das, Susan R. Hintz, Barbara J. Stoll, Betty R. Vohr, Waldemar A. Carlo, Seetha Shankaran, Michele C. Walsh, Tarah T. Colaizy, Brandon W. Alleman, Rosemary D. Higgins. Publication 2850.1

3:45* Infants of Hypertensive Mothers Born Between 22+0 and 29+6 Weeks Gestation Have Decreased Mortality Compared To Infants Born To Non-Hypertensive Mothers. Carole A. McBride, Ira M. Bernstein, Gary J. Badger, Roger F. Soll, Jeffrey D. Horbar. Publication 2850.2

4:00* Patient Volume and Nursing Overtime Increases Risk of Nosocomial Infection in the NICU. Marc Beltempo, Guy Lacroix, Michele Cabot, Vicky Beauchesne, Bruno Piedboeuf. Publication 2850.3

4:15 Regional Variation in Antenatal Steroid Use in California. Jochen Profit, Peiyi Kan, John S. Tamaiz, Henry C. Lee. Publication 2850.4

4:30 Randomised Controlled Trial of Early Frenotomy in Breastfed Infants With Mild-Moderate Tongue-Tie. Alan Emond, Andrew Whitelaw, Jenny Ingram, Alastair Sutcliffe. Publication 2850.5


5:00 Comparison of Hospital-Based Outcomes Between Infants Enrolled in Randomized Clinical Trials and Infants Who Were Eligible But Not Enrolled. E. Foglia, S. DeMauro, B. Poindexter, E. Bell, B. Stoll, K. Van Meurs, T. Nolen, A. Das, R. Higgins, B. Schmidt. Publication 2850.7


3:30pm-5:30pm

2855 Neonatal Pain
Platform
Vancouver Convention Centre - Room West Ballroom A

Chairs: Kanwaljeet Anand and Jacob (Jack) Aranda

3:30* Neonatal Pain and COMT rs4680 Genotype in Relation To Serotonin Transporter (SLC6A4) Promoter Methylation in Very Preterm Children at School Age. Cecil M.Y. Chau, Manon Ranger, Angela M. Devlin, Tim F. Oberlander, Ruth E. Grunau. Publication 2855.1


4:00* Assessment of Pain in Neonates: Comparison of Neurophysiological vs. Behavioural and Physiological Measures. Ujwal Kariholu, Mary Tighe, V.P. Misra, Peter C.M. Chow, Sunit Godambe, Praveen Anand. Publication 2855.3


4:45* Intravenous Paracetamol May Be Effective in Early Pain Management of Very Preterm Infants. Antti Harma, Outi Aikio, Timo Saarela, Mikko Hallman. Publication 2855.6


5:15 Skin Score and Risk of Nosocomial Infection. Roger F. Soll, Diantha Howard, Karla Ferrelli, Gary L. Darmstadt, William H. Edwards. Publication 2855.8

3:30pm-5:30pm

2860 Neurogenesis & Experimental Neuroprotective Therapies
Poster Symposium Session
Vancouver Convention Centre - Room West 212-213

Viewing: 3:30pm - 4:00pm
Discussion: 4:00pm - 5:30pm

Chairs: Damjan Osredkar and Sidhartha Tan

Discussant:

1* Interneuron Neurogenesis Continues in the Cerebral Cortex of Premature Infants. Arslan Arshad, Linnea R. Vose, Govindaiah Vinukonda, Praveen Ballabh. Publication 2860.1

2 Assessing the Impact of Intrauterine Growth Restriction on Hippocampal Neurogenesis. Camille M. Fung, Ashley S. Brown, Edward M. Levine. Publication 2860.2

3 Maternal Protein Restriction Impairs the Developing White Matter in Neonatal Rat. Hoa Pham, Elodie Zana-Taieb, Julien Pansiot, Pierre-Henri Jarreau, Olivier Baud. Publication 2860.3

4* Rh-EPOAugments Angiogenic Responses and Improves Long-Term Behavioral Outcome in Neonatal Rat Model of Periventricular Leukomalacia. Lihua Zhu, Xiang Bai, Shiyu Wang, Yan Hu, Ting Wang, Lijuan Quan, Li Jiang. Publication 2860.4

5* Lithium Reduced Hippocampal Progenitor Cell Death, Inflammation, Central Hypothyroidism and Cognitive Dysfunction after Irradiation To the Young Rat Brain. Kai Zhou, Cuicui Xie, Changlian Zhu, Klas Blomgren, Kai Zhou. Publication 2860.5


The Potential Neuroprotective Effect of Human Amnion Epithelial Cells after Ventilation-Induced Brain Injury. Samantha K. Barton, Mary Tolcos, Jacqueline M. Melville, Kelly J. Crossley, Graeme R. Polglase, Graham Jenkin, Aminath Azhan, Timothy J.M. Moss. Publication 2860.8


The Neuroprotective Effects of Xenon and Therapeutic Hypothermia Are Not Synergistic after Hypoxia-Ischaemia in Newborn Rats. Hemmen Sahir, Lars Walloe, John Dingley, Ela Chakkarapani, Elisa Smit, Sarah Bishop, Xun Liu, Marianne Thoresen. Publication 2860.10

Cromolyn as Adjunct Therapy To Hypothermia in a Rat Model of Hypoxic-Ischemic Encephalopathy (HIE). Catherine Chang, Shyama Patel, Jeffrey Perlman, Susan Vanucci. Publication 2860.11

Iron May Be the Critical Link Between Maternal Obesity and Asthma in Offspring. Natalie C. Dosch, Shannon E. Murray, Rachel M. Weigert, Elissa F. Guslits, Theresa W. Guilbert, Christopher L. Coe, Pamela J. Kling. Publication 2860.1

Obese Girls With Polycystic Ovarian Syndrome Have Subclinical Insulin Resistance. Melanie Cree-Green, Lindsay L. Newnes, Amy D. West, Samantha D. Bacon, Bryan Bergman, Kristen J. Nadeau. Publication 2865.2


Humanin Regulates Hepatic Triglycerides Flux through the Hypothalamus. Zhenwei Gong, Kai Su, Lingguang Cui, Laura Klein, Marianna Nicoletta-Gentile, Radhika Muzumdar. Publication 2865.4

The Role of Notch in Adipose Function. David P. Sparling, Utpal B. Pajvani, Domenico Accili. Publication 2865.5

Genetic Variants in GCKR and PNPLA3 Confer Susceptibility To Nonalcoholic Fatty Liver Disease in Obese Individuals. Yu-Cheng Lin, Pi-Feng Chang, Yen-Hsuai Ni. Publication 2865.6

Early Results: Efficacy of Laparoscopic Adjustable Gastric Bands Compared To Vertical Sleeve Gastrectomy in Adolescents. Stephanie Woodward, Vivian Chin, Jeffrey Zitsman, Sharon Oberfield, Ilene Fennoy. Publication 2865.7

Effect of Gastric Bypass on Long-Term (>5 Year) Nutritional Status of Severely Obese Adolescents. Thomas H. Inge, Todd M. Jenkins, Robert Siegel, Michael Helmrath, Shelley Kirk, Jessica G. Woo, Stavra A. Xanthakos. Publication 2865.8

Joseph T. Flynn, President American Society of Pediatric Nephrology
**Daily Programming**

**APA Membership Meeting and APA Debate**
Vancouver Convention Centre – West 301-305

3:45-5:45pm

**APA Awards**

4:10 **APA Public Policy and Advocacy Award**
Presented by Paul Chung to Benard P. Dreyer, NYU School of Medicine

4:20 **APA Teaching Program Award**
Presented by Latha Chandran to Global Health and Community Pediatrics & Advocacy Pathway at the University of Washington - Program Directors - Heather McPhillips and Brian Johnston

4:30 **Miller/Sarkin Award**
Presented by Lewis First to Nancy Spector, St. Christopher’s Hospital for Children

**APA Awards Presented During the APA Presidential Plenary**

APA Healthcare Delivery Award – Presented by Jane Knapp to the Department of Pediatrics at Boston Medical Center/Boston University School of Medicine, Program Director, Barry Zuckerman, Monday at 3:15pm

APA Research Award – Presented by Cynthia Minkovitz to Alejandro Hoherman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine, Monday at 3:30pm

Armstrong Lecture – given by Karen Hein, Geisel School of Medicine at Dartmouth, Monday at 4:45pm

**Educational Scholars Graduates**

**Young Investigator Awardees**

**Awards Presented in Other Venues**

St. Gene Award – Lewis First Presentation occurred during the APS/SPR/APA/AAP Opening General Session on Saturday, May 3 at 5:30pm.

Helfer Award – Tai Lockspeiser, University of Colorado School of Medicine: In Pursuit of Meaningful Use of Learning Goals in Pediatric Residency: What Can a Program Do? Presentation occurred during the Medical Education: Assessments & Milestones Platform on Saturday, May 3 at 9:00am.

Ludwig-Seidel Award – Maren Lunoe, Medical College of Wisconsin, A Randomized Clinical Trial of Jet Injected Lidocaine (J Tip) To Reduce Venipuncture Pain for Young Children
Presentation will occur during the Emergency Medicine II Platform on Sunday, May 4 at 5:00pm.

Michael Shannon Award – Birgit Claus Henn, Harvard School of Public Health, Prenatal Exposure To Manganese and Associations With Neurodevelopment
Presentation will occur during the Child Health & the Environment Platform on Sunday, May 4 at 4:00pm.

Global Health Research Award – Ruth Namazzi, Kampala, Uganda, Change in Haemoglobin Concentration of Children with Severe Anaemia At Mulago Hospital: A prospective study
Presentation will occur during the Global Pediatric Research: Infection / Inflammation Platform on Monday, May 5 at 2:30pm.

Student Research Awards
A Randomised Controlled Trial of a Solution Containing 140mmol/L of Sodium Compared To 77mmol/L of Sodium for Maintenance Intravenous Fluid Therapy in Hospitalised Children: the PIMS (Paediatric Intravenous Maintenance Solution) Study, Sarah McNab, Royal Children’s Hospital, Melbourne, Australia
Presentation will occur during the General Pediatrics: Hospital Medicine II Platform on Tuesday, May 6 at 11:30am.

Association of Medicaid Managed Care Structure and Receipt of Care Coordination When Needed, Doug Gilchrest-Scott, Northwestern University Feinberg School of Medicine
Presentation occurred during the General Pediatrics: Health Services Research Platform on Sunday, May 4 at 10:30am.

Association between Perfluoroalkyl Acids and Kidney Function in Adolescents, Anglina Kataria, NYU School of Medicine
Presentation will occur during the Child Health & the Environment Platform on Sunday, May 4, at 4:15pm

Resident Research Awards
Effect of Massachusetts’ Graduated Driver Licensing System on Adolescent Motor Vehicle Crashes, Michael Flaherty, Baystate Medical Center
Presentation occurred during the Addressing Adolescent Health Risk through Public Health Interventions Platform on Sunday, May 4 at 8am.

Greater Infant Acceptance of Maternal Feeding Prompts and Eating Rate at 12 Months Relates To Weight Status from Infancy To 10 Years, Carolyn Sawyer, Duke University
Presentation occurred during the Developmental / Behavioral Pediatrics: Parenting & Environmental Influences Platform on Saturday, May 3 at 3:30pm.

Fellow Research Awards
A Randomized Clinical Trial of Jet Injected Lidocaine (J Tip) To Reduce Venipuncture Pain for Young Children, Maren Lunoe, Medical College of Wisconsin
Presentation will occur during the Emergency Medicine II Platform on Sunday, May 4 at 5:00pm.

The Interaction Between Maternal Pre-Pregnancy BMI and Excess Gestational Weight Gain Shapes Infant Growth, William Heerman, Vanderbilt University Medical Center
Presentation occurred during the Pediatric Clinical Translational Research Platform on Saturday, May 3 at 8am.

Same-Hospital Readmission Is an Incomplete Measure of Quality in Pediatrics, Alisa Khan, Boston Children’s Hospital
Presentation occurred during the Quality Measurement & Improvement Platform on Saturday, May 3 at 3:45pm.
Health Care Utilization and Costs in the Last Year of Life for Children With Complex Chronic Conditions, Prasanna Ananth, Dana-Farber/Boston Children’s Cancer and Blood Disorders Center
Presentation occurred during the Quality Measurement & Improvement on Saturday, May 3 at 5pm.

4:35 New Business
4:40 Election Results
4:45 DEBATE

Resolved: The rise of social media is a boon to the practice and teaching of pediatric medicine.

Moderator: Barry Solomon, Associate Professor of Pediatrics, Medical Director, Harriet Lane Clinic, Associate Pediatric Residency Program Director, Division of General Pediatrics & Adolescent Medicine, Johns Hopkins University School of Medicine

Pro the Resolution:
Donna D’Alessandro, Professor of Pediatrics, University of Iowa Children’s Hospital
Dipesh Navsaria, Assistant Professor (CHS) of Pediatrics, Director of Advocacy Training, Director, Pediatric Early Literacy Projects, University of Wisconsin - Madison School of Medicine & Public Health School of Library and Information Studies, Medical Director, Reach Out and Read Wisconsin

Con the Resolution:
Benard Dreyer, Professor of Pediatrics, Director of Developmental-Behavioral Pediatrics, NYU School of Medicine, Director of Pediatrics, Bellevue Hospital Center
Ivor Horn, Fellowship Director, Academic General Pediatrics, Goldberg Center for Community Pediatric Health, Children’s National Health System, Associate Professor of Pediatrics, George Washington University School of Medicine

4:00-5:30pm

2890A PIDS 11th Annual Stanley A. Plotkin Lectureship in Vaccinology
PIDS Award Symposium
Vancouver Convention Centre – East Ballroom B

David Kimberlin
President
Pediatric Infectious Diseases Society

Target Audience: Pediatric infectious diseases specialists and all interested in immunizations.

Objective:
- Know the advantages and disadvantages of randomized clinical trials for the assessment of a vaccine’s efficacy
- Know the advantages and disadvantages of case-control studies for the assessment of a vaccine’s effectiveness
- Know ways to improve the validity of a case-control study of a vaccine’s effectiveness.

Chair: David W. Kimberlin, University of Alabama at Birmingham, Birmingham, AL

The Pediatric Infectious Diseases Society has established the Stanley A. Plotkin Lectureship in Vaccinology to honor Dr. Plotkin, the Society’s “Founding Father.” The lecture, which takes place at the annual PIDS meeting is sponsored by Sanofi Pasteur. Dr. Plotkin was medical director at Sanofi Pasteur and remains a medical and scientific advisor. The inaugural lecture was delivered by Dr. Plotkin in 2004.

4:00 Welcome and Introduction
David W. Kimberlin, University of Alabama at Birmingham, Birmingham, AL

4:05 Stanley A. Plotkin Awardee Introduction
Marietta Vaquez, Yale University School of Medicine, New Haven, CT

4:10 Stanley A. Plotkin Award Address: Case-Control Studies to Assess Vaccines: Oxymorons and the Good, the Bad and the Arcane
Eugene David Shapiro, Yale University School of Medicine, New Haven, CT

4:55 Discussion
**Poster Session II**

**Author Poster Set Up:** 12:00-4:15pm  
**Poster Removal:** 7:30-8:00 pm  
**Posters Available for Viewing:** 4:15-7:30pm  
**Author Attendance:** 5:45-7:30pm

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### Allergy & Immunology & Rheumatology

**2900 Food Allergy**

Publication 2900.1

Publication 2900.2

3 A Retrospective Study of the Serum IgA Levels in Food Allergy Patients. Yosuke Baba, Yoshikazu Ohitsu, Tomosai Yokokura, Reina Yokota, Susumu Yamazaki, Asuka Ishida, Eisuke Image, Mari Mori, Ryuya Suzuki, Toshiaki Shimizu.  
Publication 2900.3

4* Recruitment To a Prospective Registry for Children With Eosinophilic Esophagitis in British Columbia. Christopher Koo, Vishal Avinashi, Preeti Vekaria, Edmond S. Chan.  
Publication 2900.4

5* Bullying among Children and Adolescents With Food Allergy in an Urban Community. Luis P Lee, Patricia Burris-Warmoth, Gagan Gulati, Ashley Hiza, Kelly Cervellione, David Thompson, Steven Han, Susana Rapaport, Won Hyo-Baik.  
Publication 2900.5

6 Parent-Reported Pediatric Food Allergy Quality of Care. Ruchi Gupta, Jesse Blumenstock, Min-Woong Sohn, Elissa Oh, Emily Zadikoff, Jacqueline Pongracic, Xiaobin Wang.  
Publication 2900.6

7 Cost-Effectiveness of Using Nutramigen Extensively Hydrolyzed Formula Compared To Neocate Amino Acid Formula as First-Line Dietary Management for Cow Milk Allergy in the USA. Olga Ovcinnikova, Monica Panca, Julian F. Guest.  
Publication 2900.7

8* Knowledge of Food Protein-Induced Enterocolitis (FPIES) Among General Pediatricians and Allergists. Elizabeth J. Feuille, Nikhil Menon, Faith Huang, Anna Nowak-Wegrzyn.  
Publication 2900.8

9* Exclusive Breast Feeding for at Least 5 Months Decreases Childhood Total IgE Levels and Sensitization With Maternal High IgE. Wan-Ning Tseng, Lin Wang, Kuender D. Yang, Ho-Chang Kuo.  
Publication 2900.9

**2901 Rheumatologic & Kawasaki’s Disease**

10* Which Date of Laboratory Score Best Predicts Resistance To Intravenous Immunoglobulin in Kawasaki Disease?. Ryo Mafune, Ryo Inazuka, Taiyu Hayashi, Takahiro Shindo, Youichiro Hirata, Nobutaka Shimizu, Yutaka Harita, Masaru Takamizawa, Youichiro Oda, Akira Oka.  
Publication 2901.10

Publication 2901.11

12* What Is the Prognosis of Defervesced Kawasaki Disease Initially Managed Without Immunoglobulin Therapy?. Takuto Takahashi, Yuho Horikoshi, Yoshihiko Morikawa, Yukihiro Hasegawa, Masaru Miura.  
Publication 2901.12

Publication 2901.13

14* Antibody-Mediated Inflammatory Brain Diseases in Children. Mansha Sikkand, Sandra Bigi, Susanne Benseler.  
Publication 2901.14

Publication 2901.15

16 Baseline Erythrocyte Folate Status Is Associated With Methotrexate Response in Juvenile Idiopathic Arthritis at 3 Months. Leon vanHaandel, Ryan S. Funk, Maria Ibarra, Cara Hoffart, Mark F. Hoeltzel, Andrew Lasky, J. Steven Leeder, Mara L. Becker.  
Publication 2901.16

17 Pediatric Chronic Glucocorticoid Therapy: Treatment, Screening and Prevention Patterns for Adverse Events. Robert W. Grundmeier, Evanette K. Burrows, Mark Ramos, Jon M. Burnham.  
Publication 2901.17

**2902 Allergy & Asthma**

18 Indoor Pest Allergens and asthma Impairment in NHANES. Anna B. Fishbein, Cai Miao, Rajesh Kumar.  
Publication 2902.18

19* Association between Asthma and Physical Activity in Teens: Analysis of Representative National Data from the 2011 Youth Risk Behavior Survey (YRBS). Clayton Li, Majnu John, Andrew Adesman.  
Publication 2902.19

Publication 2902.20

21 High Confidence and Low Caregiver Knowledge in Asthma Management at Inner City Pediatric Clinics. Stacie Lampkin, Lucy Holmes, Heather Lehman.  
Publication 2902.21

Publication 2902.22

23* Prenatal Exposure To Endocrine Disrupting Chemicals (EDCs) Is Related To Allergic Symptoms in 12 Month Old Children. Ilona Quaak, Lotte C. Roosendaal, Marijke De Cock, Marja H. Lamoree, Margot Van de Bor.  
Publication 2902.23

Publication 2902.24

**2903 Immunology**

25* Female Patients With X-Linked Lymphoproliferative Syndrome Type 2 Caused by Extremely Skewed Inactivation of X-Chromosome. Xi Yang, Takashi Tega, Taizo Wada, Akihiko Yachie, Takahiro Yasumi, Toshio Heike, Hirokazu Kanegane.  
Publication 2903.25

26 Immune Characteristics and Response To Vaccination of Pediatric Patients With Partial DiGeorge Syndrome. Pui-Ying Iroh Tam, Anna K. Thurmes, Shane C. McAllister.  
Publication 2903.26

27 A Japanese Female Case of Wiskott-Aldrich Syndrome With Skewed X-Chromosome Inactivation. Tomohiro Takimoto, Hitodoshi Takada, Masatake Ishimura, Tomohiro Morio, Toshiro Hara.  
Publication 2903.27
28* Passive Acquisition of Anti-Staphylococcus aureus IgG and IgA Antibodies Reactive With S. aureus by the Newborn Via Placental Transfer and Breastfeeding in Mothers With and without Nasal Colonization. Maria Isabel Valdomir Nadaf, Laila Lima, Olga Akiko Takano, Magda Maria Sales Carneiro-Sampaio, Patricia Palmeira. Publication 2903.28

29 Oxidative Stress in Childhood Allergic Disorders. Hiroyuki Mochizuki. Publication 2903.29

Endocrinology Poster II

2904 Puberty / Reproduction / Sexual Develop

30* Improving the Inter-Examiner Reliability of the Ano-Genital Distance, a Marker of Endocrine Disruption. Jeffrey Suell, Elmer David. Publication 2904.30

31 A Study on Sexual Development of SD Rats By Using RNA Interference Mediated By lentivirus-Based Vectors. Pin Li. Publication 2904.31

32 Family Management Challenges for Parents Who Have Sons With Klinefelter Syndrome. Sharron Close, Lois Sadler, Margaret Grey. Publication 2904.32

33 Inhibiting Endogenous Estrogen Reduces Fetal Iron and Alters Fetal Iron Status in Late Ovine Pregnancy. Pamela J. Kling, Mary Y. Sun, Jason L. Austin, Terry M. Phernetton, Ronald R. Magness. Publication 2904.33

34* Precocious and Atypical Pubertal Development in an 11 Year-Old Boy With PTEN Hamartoma Syndrome. Julia Elisabeth von Oettingen, Katharine Garvey. Publication 2904.34

35* Idiopathic Primary Ovarian Insufficiency in Adolescents; a Rising Incidence?. Julia Pederson, Rajiv Kumar, Paula Hillard, Laura K. Bachrach. Publication 2904.35

36* Outcome of Isolated Premature Menarche: A Follow Up Study. Sehar Ejaz, Andrew H. Lane, Thomas A. Wilson. Publication 2904.36

37* Psychological Distress in Precocious Puberty: Is It Present in Girls or Their Mothers?. Melissa Bauters, Kelly L. Donahue, Sheri Berenbaum, Kristina Bryk, Paula Didrick, Erica Evgster. Publication 2904.37

38 The Patterns of Referral and Treatment in Children With Precocious Puberty. Paul S. Thornton. Publication 2904.38

39 Anti-Mullerian Hormone (AMH) Levels in American Girls By Age and Race/Ethnicity. Swati V. Elchuri, Briana Patterson, Milton Brown, Iris Buchanan, Ann Mertens, Lillian Meacham. Publication 2904.39

40* A Novel Mutation in a Blymphoplasma Psosis Epicantus Inversus Syndrome Patient Presenting With Primary Amenorrhea. Christopher E. Gibson, David Langdon. Publication 2904.40

41* Modulation of Gene Expression by Metformin in a Granulosa Cell Line. Angela A. Ganan Soto, Joan M. Boylan, Jennifer A. Sanders, Philip A. Gruppuso. Publication 2904.41

42* Bird’s-Eye View of GnRH Analog Use in a Pediatric Endocrinology Referral Clinic. Sara E. Watson, Ariana Green, Katherine Lewis, Erica Evgster. Publication 2904.42

43* A Rare Cause of Sexual Precocity Leading To Diagnosis of Li-Fraumeni Syndrome. Shobhit Jain, Kaitlyn Storey, Lawrence Silverman. Publication 2904.43

44* A Case of Mayer-Rokitansky-Küster-Hauser Syndrome in a 6 Year-Old Female With Precocious Puberty. Aurelia Holland, Michael B. Foster, Suzanne Kingery, Kupper Wintergerst, Adetokunbo Omoruyi. Publication 2904.44

45* Age at Hormonal Onset of Puberty Based on Luteinizing Hormone and Inhibin B and Contributions of Birthweight and Early Weight Gain in Preadolescent US Girls. O. Yaw Addo, Bradley S. Miller, Peter A. Lee, Mary L. Hediger, John H. Himes. Publication 2904.45

46* A Large Suprasellar Arachnoid Cyst Presenting as Isolated Sexual Precocity in a Boy. Katie L. O’Sullivan, Rochelle Naylor, David Frim, Dorit Koren. Publication 2904.46

2905 Pituitary

47* Repeating ACTH Stimulation Test Is Necessary To Diagnose ACTH Deficiency in Neonatal Hypopituitarism With Initial False Negative Result. Loyal K. Coshway, Justin A. Indyk, Sasigarn A. Bowden. Publication 2905.47


49* Home Sodium Monitoring in Children With Diabetes Insidius Complicated by Loss of Thirst, Is Safe, Effective and Significantly Improves Quality of Life and Cost of Care. Patrick R. Fraser, Michael Willecutts, Paul S. Thornton. Publication 2905.49

50* Pituitary Gigantism: A Retrospective Case Series. Ana L. Creo, Aida N. Leif. Publication 2905.50

51* Tall Stature in Craniohypophysectomy Patients. Elizabeth S. Hart, Peter E. Manley, Christine A. Chordas, Laurie E. Cohen. Publication 2905.51

52 Clinical Course before Diagnosis in Patients With Neurohypophyseal Germinoma. Miho Shibamura, Junko Ito, Mayuko Tamura, Atsushi Ogawa, Tetsushi Ogawa. Publication 2905.52

53* Hypopituitarism and Pubertal Disturbances in Optic Nerve Hypoplasia. Oliver J. Oatman, Pamela Garcia-Filion, Donald R. McClellan. Publication 2905.53

2906 Growth / Growth Hormone

54* Growth Attenuation Therapy: Practice and Perspectives of Pediatric Endocrinologists. Allison J. Pollock, Norman Fost, David B. Allen. Publication 2906.54


56 Reduced Medication Possession Ratio Is Associated With Lower Response To Growth Hormone Therapy. Bradley S. Miller, Melissa Crawford, Ann McNamara, Brigitte I. Frohnert. Publication 2906.56

57 Results of a Phase 1b Study of a Novel Long-Acting Growth Hormone (YRS-317) in Prepubertal Children With Growth Hormone Deficiency(GHD). George M. Bright, Wayne V. Moore, Huong Q. Nguyen, Gad B. Kletter, Quentin Van Meter, Bradley S. Miller, Eric Humphrires, Jerry A. Moore, Jeffrey L. Cleland. Publication 2906.57

58* Evolving Growth Hormone Deficiency. Lindsey Waldman, Evan Graber, Marina Goldis, Dennis Chia, Molly Regelmann, Michelle Klein, Elizabeth Wallach, Robert Rapaport. Publication 2906.58


60 Effects of RGH Administration on Body Composition and Cardiovascular Risk Factors in Obese Adolescent Girls. Meghan Slattery, Miriam A. Bredella, Martin Torriani, Madhusmita Misra. Publication 2906.60

61 Earlier Growth Hormone Treatment Initiation in Pediatric Patients With Short Stature Results in Greater Height Gains Per Dose Over 4 Years of Treatment. Bradley S. Miller, Susan L. Rose, Judith R. Ross, Peter A. Lee, Ricardo Maamari, Giuseppe Piccoli, John A. Germak. Publication 2906.61
**Poster Session II**

**PAS/APSR 2014 VANCOUVER**

**Author Attendance: 5:45pm–7:30pm**

**Posters Available for Viewing: 4:15pm–7:30pm**

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64 Denials of Growth Hormone Prescriptions. Joel Steffeman. 

65 Genetic Polymorphisms Associated With Idiopathic Short Stature (ISS) and 1%–Year Response To Growth Hormone (GH) Treatment. charmian A. quigley, Ying G. Li, Milton S. Brown, Sreekumar G. Pillai, Pouliabi Banerjee, Werner F. Blum, John S. Parks. 


67* Clinical, Biochemical and Neuro-Radiological Correlates in Children With Growth Hormone Deficiency. Shilpa Mehta, Meena Desai, Shilpa Mithbawkar. 

2907 Adrenal


69 Asfotase Alfa: Sustained Efficacy and Tolerability in Infants and Young Children With Life-Threatening Hypophosphatasia. Michael P. Whyte, Jill H. Simmons, Nick Bishop, Richard E. Lutz, Marc Vallee, Agustin Melian, Tatjana Odrjijn. 

70* Testicular Adrenal Rest Tumors in Two Siblings With Congenital Lipoid Adrenal Hyperplasia. Abdullameadea Alasehel, Christopher Roth, Jane Congeni, Alfonso Vargas. 


72 Assessment of Adrenal Size Using High Resolution 2D Ultrasound Imaging and It’s Correlation With Birth Demographics and Clinical Outcomes. Tijen Karsli, Diana M. Strickland, Jeffrey Livingston, Qiang Wu, Prem S. Shekhawat. 

73* Rare Case of Corticosterone Methyloxidase Type 1 Deficiency. Linnea M. Larson-Williams, Lauren Quinn, Kenneth McCormick, Ambika Ashraf. 

74* The Challenge of Cushings’ Syndrome in Pediatrics: the Case of a 4 Year Old Female With Progressive Obesity and Hypertension. Sara K. Klinepeter, Lefkothea P. Karaviti, Mary L. Brandt, Monica E. Lopez, Prakash Masand, Sridevi Devaraj, John Hicks, Lauren R. Anderson, Maya Lodish, Meg Keil, Constantine A. Stratakis. 

75* Assessment of Psychosexual Development and Quality of Life Outcomes in Females With Classical Congenital Adrenal Hyperplasia. Mansi M. Kanhere, John S. Fuqua, Richard C. Rink, Christopher P. Houk, Peter A. Lee. 

76* Cortisol as a Predictor of Hydrocortisone Response in Hypotensive Infants <1250g. Kathryn Gluchy, Harish Amin, Nalini Singhal, Daniele Pacaud. 


78 A Calcium-Deficient Diet in Rat Dams During Gestation and Nursing Affects Hepatic 11β-Hydroxysteroid Dehydrogenase-1 Expression in the Offspring. Junji Takaya, Sohsaku Yamanouchi, Kazunari kaneko. 

79* Timing of Peak Cortisol Levels in the Low Dose ACTH Stimulation Test: Is a 30-Minute Test Long Enough?. Julia B. Cartaya, Madhusmita Misra. 


81* Serum Adrenal Steroid Values in Newborns With Presumptive Positive CAH Screens. Peter Tsch, Rebecca Hicks, Jennifer Yee, Catherine Mao, W.N. Paul Lee. 

82 Assessment of Adrenal Function By Profiling Adrenal Glucocorticoid Precursors and Their Ratios Using Tandem Mass Spectrometry. Tijen Karsli, Jeffrey Livingston, Samuel H. Pepkowitz, Qiang Wu, Prem S. Shekhawat. 


84* Adverse Events Following Immunization (AEFs) Among Persons With Congenital Adrenal Hyperplasia (CAH) in the US Vaccine Adverse Events Reporting System (VAERS), 1990-2013. Hema Datwani, Theresa Harrington, Sarah Elizabeth Williams, Mark Eddy. 

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**Nephrology**

2908 Acute Kidney Injury


86 Renal Angina in the Pediatric Intensive Care Unit: the CHERUB Prospective Study. Shina Menon, Stuart Goldstein, Rajit Basu. 

87 Subclinical Kidney Injury before and after Bariatric Surgery among Severely Obese Adolescents: A Prospective Study. Nianzhou Xiao, Mark Mitsnsef, Thomas Inge, Todd Jenkins, Michael Bennett, Prasad Devarajan. 

88 Urinary Biomarkers To Evaluate for AKI in Premature Neonates Exposed To Prenatal Indomethacin. Ahmad I. El Samra, Ayesa Mian, Marc Lande, Ronnie Guillet. 


92* Urinary MicroRNAs as Biomarkers for Drug-Induced Nephrotoxicity. Oana Maria Nicoara, Krithika Ramachandran, Daniel Antoine, Vishal Vaidya. 


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*First Author is Trainee (fellow, house officer or student)
126* Restless Legs Syndrome in Pediatric Patients With Glomerular Disease. Victoria Cheung, Sara Wertentell, Susan Sasson, Suzanne Vento, Sanjeev Kothare, Howard Trachtman. Publication 2910.126


128* B-Cell and T-Cell Interaction in Minimal Change Disease. Atul Poudel, Clive Waterfall, Eduardo H. Garin. Publication 2910.128


Critical Care

2911 Brain Injury & Metabolism

130* Effect of Epidermal Growth Factor Receptor (EGFR) Kinase Inhibition on Long Term Activity of EGFR Kinase Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Lynn E. Zeits, Dimitrios Angelis, Andy Wang, Qazi Ashraf, Maria Delivoria-Papadopoulos. Publication 2911.130

131* Cerebral Microdialysis in Pediatric Brain Injury. Jeff Chen, Zoe Gombart, Kay Williamson, Sandy Cecil, David Adler. Publication 2911.131


133* The Effects of Asphyxia on Pial Arteriole Diameter and Cerebrovascular Autoregulation in the Newborn Piglet. Cody R. Tiggles, Alex Fedinec, Charles W. Leffler. Publication 2911.133

134* Novel Rabbit Model of Pediatric Traumatic Brain Injury. Zhi Zhang, Manda Saraswati, Raymond C. Koehler, Courtney Robertson, Sujatha Kannan. Publication 2911.134

135* Effect of Hypoxia on Protein Tyrosine Phosphatases PTP-SH1 Expression in the Cerebral Cortex of Newborn Piglets. Elizabeth M. Wacker, Panagiotis Kratimenos, Juan Ballesteros, Amanda M. Bahara, Maria Delivoria-Papadopoulos. Publication 2911.135

136 Abnormal Firing Patterns in the Thalamic Reticular Nucleus after Asphyxial Cardiac Arrest. Michael Shoykhet. Publication 2911.136

137* Effect of Scr Kinase Inhibition on the Expression of Second Mitochondrial Activator of Caspase (smac) Protein After Hypoxia in the Piglet Brain. Elizabeth M. Wacker, Qazi M. Ashraf, Waseem Akhter, Zack Kodyiatu, Maria Delivoria-Papadopoulos. Publication 2911.137


139 Effect of Concurrent Inhibition of Neuronal Nitric Oxide Synthase and Induction of Hypothermia After Hypoxia-Ischemia on Apoptosis in the Newborn Piglet Brain. Juan Ballesteros, Shadi Maleaeb, Panagiotis Kratimenos, Nicholas Obiri, Maria Delivoria-Papadopoulos. Publication 2911.139

2912 Clinical Studies


143* Is Oxygen Saturation Index (OSI) a Valid Indicator of Neonatal Hypoxemic Respiratory Failure ?. Praveen K. Chandrasekharan, Bobby Mathew, Sylvia F. Gugino, Carmon Koenigsknecht, Daniel Swartz, Jayasree Nair, Munmun Rawat, Satyan Lakshminrusimha. Publication 2912.143


146* Race Influences Communication Patterns in the Intensive Care Unit. Adrian D. Zcura, Kiondra R. Fisher, Tessie W. October. Publication 2912.146

147* What the Nose Knows: Intranasal Dexamethasone as a Novel Agent for Pediatric Sedation. Suzanne S. Mendez, Amanda E. Velazquez, Daniellle Kimm, Lisa Walker-Vischer, Alan R. Schroeder. Publication 2912.147


149 Perioperative Renal Replacement Therapy Experience in Pediatric Orthotopic Liver Transplantation. Carol Pineda, Tristan Grogan, Joshua Zaritsky, Robert B. Kelly. Publication 2912.149

150* Predictors of ICU Stay After Small Intestinal Transplantation. Gitanjali Indramohan, Myke Federman, Laura Wozniak. Publication 2912.150

151 Sub-Specialist as Change Agent for Children With Complex Medical Needs. John D. Mark. Publication 2912.151

152* Impact of Maternal Obesity on Outcome After Surgery for Complex Congenital Heart Disease. Darline Santana, Jennifer Duncan. Publication 2912.152


2913  Mechanical Support: PPV & ECMO


159*  Use of Volumetric Diffusive Respiration in the Pediatric Intensive Care Unit. Daniel S. Tawfik, Tellen D. Bennett, William B. Poss. Publication 2913.159


161*  Relationship Between Renal Function and Extracorporeal Membrane Oxygenation Use. Dennis Wells, Patrick Selakovitch, Jacob Carlson, Jeffrey M. Gossett, Michael Robertson, Matthew B. Steiner, Punjabaj Gupta. Publication 2913.161

162*  Shortened or Prolonged Activated Partial Thromboplastin Time (APTT) Is Associated With Complications and Mortality in Pediatric Extracorporeal Membrane Oxygenation (ECMO). Shilpa G. Hundalani, Esther Soundar, Vadim Kostousov, Jun Teruya. Publication 2913.162


164  Pediatric Intensive Care Unit Characteristics Associated With Tracheostomy Practice in Patients Requiring Prolonged Mechanical Ventilation. Martin Wakeham, Nathan Thompson, Matthew C. Scanlon. Publication 2913.164

165*  Effect of Endotracheal Suctioning on Systemic and Cerebral Oxygenation and Hemodynamics in Children. Madhuradhar Chegondi, Sayed Naqvi, Wei-Chiang Lin, Balagangadhar Totapally. Publication 2913.165

166*  Quality Improvement at Health Services Research


167*  Would the Use of Bedside Bladder Ultrasound Decrease the Necessity of Invasive Bladder Catheterization in the Pediatric Intensive Care Unit?. Jenna J. Wheeler, MaryAnn O’Riordan, Veerajalandhar Allareddy, David G. Speicher. Publication 2914.167


169  Success of Strategies To Reduce Central Line Associated Bloodstream Infections Are Affected by Patient Population. Rainer Gedeit, Jeremy Affolter. Publication 2914.169

170*  The Pediatric Early Warning Score as a Tool To Prevent Readmission To the PICU. Markita L. Suttle, Todd Karsies. Publication 2914.170


173*  The Effects of PALS Guideline on Trauma Airway Management. Jana Sperka, Sheila Hanson, Raymond G. Hoffmann, Mahua Dasgupta, Michael T. Meyer. Publication 2914.173


175  Evaluation of the Quality of Care in Adults Admitted To a Pediatric Intensive Care Unit Using National Standards and Measures. Jeremy T. Affolter, Martin K. Wakeham, Matthew S. Scanlon. Publication 2914.175


177*  Changes To Workflow in the PICU (Pediatric Intensive Care Unit) during Transition from Semi To Full Electronic Health Record. Mina A. Salih, Sheila Hanson, Raymond Hoffman, Haydee Zimmerman, Mahua Dasgupta. Publication 2914.177


179  Determinants of Inter-Hospital Transfer of Children from Level II To Level I Pediatric Intensive Care Units. Fofololuwa O. Odetola. Publication 2914.179


181  Surge in Pediatric Ventilator Use During Influenza Outbreaks in Maryland Over Twelve Years. Jennifer Guythier, Richard Lichenstein, Adebola Ajao, Lawrence S. Magder, Priti Julka, Veronica Combs, James C. King. Publication 2914.181

182  Rapid Response Teams at Children’s Hospital in 2013: A Survey of Use, Composition, and Activation. Patrick W. Brady, Suzanne Campanella, Christopher P. Bonafide, Derek S. Wheeler, Mi-Ok Kim, Matthew Hall, Christopher P. Landrigan, Samir S. Shah. Publication 2914.182

183  Financial Impact of Transferring Pediatric Burn Patients between Short-Term Hospitals. John Myers, Charles Woods, Michael Smith, Claudia Espinos, Carlee Lehna. Publication 2914.183

184*  Timing of Death in Pediatric Sepsis: A Descriptive Study. Gina Bane, Laura Cassidy, Matthew Scanlon, Michael Quasney. Publication 2914.184

2915  Education & Training

2915  Impact of Contextualized Pediatric Critical Care Training on Pediatric Healthcare Providers in Botswana. Shelton W. Wright, Loeto Mazhani, Heather A. Wolfe, Mark Raslton, Vinay M. Nadkarni, Peter A. Meaney. Publication 2915.185

2915*  Mobile High-Fidelity Simulation Provides Effective Resuscitation Training for Pediatric Residents. Priscilla Yu, Tristan Grogan, Robert Kelly. Publication 2915.186

2915  Pediatric Critical Care Skill Utilization by Recent Residency Graduates: Do Opportunities Exist To Change Our Teaching Paradigm?. Edward Cullen, Glenn Stryjewski. Publication 2915.187

2915  Unsettling Situations in the Pediatric Intensive Care Unit: A Curriculum for Improving Resident Confidence and Competence When Negotiating Challenging Encounters. Melissa J. Sacco, Khaliah A. Johnson, Nicole Shilkofski, Lewis Romer, Janet R. Serwint. Publication 2915.188
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**258* Familial Incidence of Cardiovascular Malformations in Hypoplastic Left Heart Syndrome.** Muhammad Y. Qureshi, Timothy M. Olson, Benjamin W. Eidem, Patrick W. O’Leary. *Publication 2919.258*

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**262* Comparison of Physician and Parent Perceptions of Prognosis and End-of-Life Experience in Children With Advanced Heart Disease.** Emily Morell Balkin, Joanne Wolfe, Sonja I. Ziniel, Peter Lang, Elizabeth D. Blume. *Publication 2919.262*


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**266* Congenital Heart Disease in Females With Turner Syndrome Undergoing Cardiac Evaluation in the Current Era.** Catherine J. Steingraeber, Megan Wilde, Mary Murray, Angela T. Yetman. *Publication 2919.266*

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**268* Pre-Participation Evaluation of Young Athletes for Sudden Cardiac Death Risk: Are Schools Asking the Right Questions?.** Caitlin Heyden, Marybeth Heyden, James Nielsen, Catherine Messina, Laurie Panesar. *Publication 2919.268*

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**272* Congenital Heart Disease and Microcephaly at Birth: A Population Based Cohort Study of 2467 Children.** Niels B. Matthiesen, James W. Gaynor, Tine B. Henriksen, Peter Agergaard, Vibeke Hjortdal, John R. Ostergaard. *Publication 2919.272*

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**280* Assessment of Circulating Urocortin 2 Levels in Children With Congenital Heart Disease.** Reiji Ito, Takashi Urashima, Miki Itohisa, Kimihiko Oishi, Masako Fujiwara, Kiyoshi Ogawa, Hiroyuki Ida. *Publication 2919.280*
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**289** Evaluation of Neonates Undergoing Cardiac Surgery With Cardiac Bypass: An Analysis of Kids’ Inpatient Database. Ramesh Vazalwar, Balagangadhar Totapally. Publication 2919.289

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**300** Ventricular-Arterial Coupling in Patients Late After Successful Intervention of Coarctation of the Aorta. Wing Yi Vivian Li, Yiu-fai Cheung. Publication 2920.300


**302** Myocardial Tissue Velocity in Healthy Children Evaluated by Tissue Doppler Imaging. Yuichiro Hashida, Shining Sakata, Hiroki Kuranobu, Yoichi Mino, Hiroaki Funata, Susumu Kanzaki. Publication 2920.302

**303** Three-Dimensional Printing of Congenital Heart Defects from Echocardiographic Source Images: Feasibility and Accuracy. Laura J. Olivieri, Axel Krieger, Yue-Hin Loke, Dilip Nath, James Jago, Peter Kim, Craig A. Sable. Publication 2920.303


**306** Prevalence of Lambli’s Excrences in Pediatric Transthoracic Echocardiograms. Muhammad Y. Qureshi, Benjamin W. Eiderm, Frank Cetta. Publication 2920.306

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**309** The rs12252-C Variant of Interferon-Induced Transmembrane Protein-3 Is Associated With Coronary Artery Lesions in Patients With Kawasaki Disease. Neil E. Bowles, Cammon B. Arrington, Yin Shen Wei, Keichi Hirono, Tsumeyuki Nakamura, Fukiko Ichida, John H. Weis. Publication 2921.309

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398* Relationship of Maternal Methadone Dose and Short Term Neonatal Outcomes. Maria Samohod, Kristin J. McKenna, Ursula Nawab, Zubair Aghai, Janet Larson. Publication 2925.398

399 Laseracupuncture in Neonates With Neonatal Abstinence Syndrome (NAS) Due To Maternal Substitution Therapy - A Randomized Controlled Trial. Wolfgang Raith, Friedrich Reiterer, Bernhard Resch, Alexander Avian, Martin Koestenberger, Berndt Romas, Georg M. Schmoelzer. Publication 2925.399

400 Effects of Repeated Neonatal Morphine on Mouse Hippocampal mRNA and microRNA (miRNA) Expression. Ryan McAdams, Ronald McPherson, Sandra Juul. Publication 2925.400

401* Precipitated Withdrawal in Newborn Rats Is Worse after a 3 Day Exposure To Dexamphetamine (DEX) vs. Clonidine (CLON). Kalpashri Kesavan, Ariel Mason, Raoul Chavez-Valdez, Tarrah Ezell, Zankhana Master, Sapna Kudchadkar, Gabrielle Lemome, Estelle Gauda. Publication 2926.401

402 Effects of In Utero Exposure To Chemotherapy on Fetal Brain Growth. Francesca P. Desamoiene, Monica Fumagalli, Giovanna Scarpone, Fedro Pecceo, Claudio M. Cinnante, Silvia C. Pisoni, Sofia Passer, Laura Bassi, Fabio Triulzi, Fabio Mosca. Publication 2926.402

2926 Brain Monitoring & Seizures

403 Novel, Miniature, Wireless Device (microEEG®) for Continuous, Multichannel EEG in Newborns. Zachary H. Ibrahim, Geetha Chari, Samah Abdel Baki, M. Roger Kim, Rudolph Parris, Vadim Bronstein, Tauseef M. Raza, Joan Cracco, Jacob Aranda. Publication 2926.403


405 Identification of the Spatial Origin of Delta Brush Activity in the Preterm Brain With Simultaneous EEG and fMRI. Lorenzo Fabrizi, Tomoki Arichi, Amy Lee, Maria Fitzgerald, A. David Edwards. Publication 2926.405


408* Late Preterm Infants Differ Significantly from Full Term Infants in EEG Power in the Frontal Regions at Birth. Kimberly V. Parsons, Nina Burtchen, Michael M. Meyers, Rakesh Saini, Marilyn Weindler, Philip Grieve, William P. Fifer. Publication 2926.408

409* Sex Differences in EEG Activity Between Healthy Newborns During the First Days of Life. Jacquelyn Piraquie, William P. Fifer, Joel S. Yang, Tracy Thai, Michael M. Myers, Nina Burtchen. Publication 2926.409


412 The Boston Bunmati ade Trial in Newborns With Acute Symptomatic Seizures: Initial Pharmacokinetics and Safety Findings. Janet S. Soul, Breda Hayes, Carmen Fortuno, Christopher Stopp, Deirdre O'Reilly, Alexander Vinks, Kevin Staley. Publication 2926.412

413 Comparison of Levetiracetam and Phenoobarbitone in Treatment of Persistent Seizures in Term and Near Term Neonates: Randomised Control Trial. Monica Roy, Amit Upadhyay, Vijay Kumar Jaswal, Mamta Mallik, Nikhil Mehrtra, Deepak Chawla. Publication 2926.413


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2927 Iron


418 Effects of Prenatal Iron Deficiency on Auditory Brainstem Responses in 6-Week Old Infants. Twila Tardif, Xiaojin Mai, Lin Xu, Ming Li, Paul Kilien, Julie Sturza, Jie Shao, Betsu Loozoff. Publication 2927.418


421* Effects of Early Higher Protein Intake on Anemia of Prematurity in Very Low Birth Weight (BW <1500g) Infants. Erica Severson, Angela Holuba, David Bateman, Sudha Kashyap. Publication 2927.421

422* Decreased Ferritin Is More Prevalent in Human Milk (HM) Than Iron-Fortified Formula (FF) Fed Preterm Infants During the First Six Months Post-Term. Monique van de Lagemaat, Eline M. Amesz, Anne Schaafsma, Harrie N. Lafeber. Publication 2927.422

2928 Human Milk

423* Caloric and Macronutrient Content of Human Milk at Varying Gestational Ages. Lauren E. Cummings, Afzab A. Qazi, Noreen K. Khan, Kimberly S. Haddock, Huaping Wang, M. Jawad Javed. Publication 2928.423

424 Metabolic Acidosis Associated With Liquid Acidified Human Milk Fortifier. Catherine C. Cibulskis, Melissa Bowles. Publication 2928.424
2930 Parenteral / Enteral Nutrition

440* Favorable Outcomes of Preterm Infants Treated With Fish Oil-Based Intravenous Lipid Emulsion for Parenteral Nutrition-Associated Liver Disease. Michael W. Sorrell, Alvaro Moreira, Kay Green, Rachel Jacobs, Diana Anzueto, Cynthia L. Blanco. 

Publication 2930.440


Publication 2930.441


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446* The Relationship Between Maternal Tryptophan Metabolism, Cytokines and Cortisol in Term and Preterm Expressed Breast Milk. Louise O’Rourke, Ger Clarke, Aoife Nolan, Ted G. Dinan, Catherine Stanton, Tony C. Ryan. 

Publication 2930.446

2929 Vitamin D / Bone Health

432 Very Low Birth Weight Infant Mineral and Bone Health Outcomes With Vitamin D Supplementation: Double-Blind, Randomized Clinical Efficacy Trial. Sarah N. Taylor, Carol L. Wagner, Carolyn Finch, Myla Ebeling, Bruce W. Hollis. 

Publication 2929.432


Publication 2929.433

434* Cord Blood Vitamin D Status in Preterm Infants. Allison S. Vasileff, Megan E. Aurora, Marc B. Hershenson. 

Publication 2929.434


Publication 2929.435

2931 Feeding


Publication 2931.450

451* Effects of a ‘Model for Improvement’ on Rates of Breastfeeding in the Neonatal Unit of University Hospital Wales. George Brand, Cora Doherty. 

Publication 2931.451

452* Improved Nutritional Outcomes With Probiotics Use in Preterm Infants. Sumit Dang, Lori Shook, Mina Hanna, Nirmala Desai. 

Publication 2931.452

453 The Use of Antibiotics During the First 72hs of Life Affects the Nutrition of Preterm Infant. Francisco E. Martinez, Clea R. Leone, Vania O.S. Abdallah. 

Publication 2931.453
454* Oral Feeding but Not Gastric Tube Feeding Induces Salivary Cortisol Elevation in Newborn Infants. Akiko Hirose, Hisayoshi Okamura, Masahiro Kinoshita, Kennosuke Tsuda, Hiroshi Kanda, Sachiko Iwata, Chihoko Urata, Yasuki Maeno, Toyooji Matsuishi, Osuke Iwata. Published 2931.454

455 Diet Drives Establishment of the Premature Infant Gut Microbiota. Katherine Gregory, Buck Samuel, Guru Shan, Gary Ruvkun, Allan Walker. Published 2931.455


456* Impact of High Parenteral Protein Intake During the First Week of Life on Growth and Neurodevelopmental Outcome in Preterm Infants <29 Weeks. Siddhartha Buddhavarapu, Saranya Manickaraj, Abhay Lodha, Amuchou Soriashah. Published 2931.456


2932 Maternal Obesity / Smoking

458* Maternal Obesity and Oxidative Stress in the Newborn. Simona Negro, Serafina Perrone, Adriade Malamits-Puchner, Theodora Boutsikou, Maria Luisa Tataranno, Annamaria Ermini, Antonino Santacroce, Mariangela Longini, Fabrizio Proietti, Cosetta Felici, Lina Giorgiano, Giuseppe Buonocore. Published 2932.458

459 IUGR Combined With a Maternal High Fat Diet Adversely Programs the MicroRNA-96 – Insig2 – Sreb2 Pathway and Increases Hepatic Cholesterol in Female, but Not Male, Rats. Erin Zinkhan, Baiying Yu, Xing Yu, Lisa Joss-Moore. Published 2932.459

460* Quantification of Myocardial Lipid Storage in Neonatal Rats Exposed To Maternal Diabetes or High Fat Diet. Stacy Kern, Larsen Tricia, Schimpfénig Michelle, Baack Michelle. Published 2932.460

461 Breast Milk Carotenoid Concentrations Are Decreased in Obese Mothers. Rohini Vishwanathan, Patoula Panagos, Sarbattama Sen. Published 2932.461

462 IUGR Combined With a Maternal High Fat Diet Increases Hepatic Lipogenic Proteins and Ectopic Lipid Deposition in Male But Not Female Rats. Erin Zinkhan, Baiying Yu, Xing Yu, Robert Lane, Lisa Joss-Moore. Published 2932.462

463 Maternal Tobacco Smoke Exposure and Intrauterine Growth Restriction Program Cannabinoid Receptor 1 Expression and DNA Methylaton in Rat Adipose Tissue. I. Trevenzoli, C. Jiang, M. FitzHugh, L. Joss-Moore. Published 2932.463

464* Developmental Programming of Cardiac Lipid Deposits in Offspring Exposed To Maternal High Fat Diet or Diabetes. M. Schimpfénig, A. Wachal, T. Larsen, K. Chaudhary, S. Puumala, M. Baack. Published 2932.464

465* Analysis of Maternal Factors and Short Term Morbidity Associated With Low Birth Weight (LBW) Infants at a Tertiary Care NICU India. Vivek V. Shukla, Susan Perrilla, Vinay H. Joshi, Prashant Kadam, Preetha V. Joshi. Published 2932.465

2933 Growth

466 Polycyclic Aromatic Hydrocarbon Exposure and IGF Axis Expression in Early Placental Trophoblast Development. Navin Kumar. Published 2933.466

467 The Influence of Maternal Body Composition on Neonatal Body Composition. Anne C. Doolan, Amy C. O’Higgins, Clare O’Connor, Laura Mullaney, Margaret Sheridan-Pereira, Michael Turner. Published 2933.467

468 Is Early Neonatal Hypophosphatemia Related To the Severity of Intrauterine Growth Restriction?. Fernando Moya, Julie Oliver, Danielle Kurtz, Lydia Wright, Ashley Adams. Published 2933.468

469* An Objective Software Algorithm (SA) Improves Identification of Growth Restriction (GR) in Preterm Infants (PI) Compared To Clinical Assessment (CA). J. Robin Lawrence, Ian J. Griffin. Published 2933.469

470* Identifying Trajectories for Healthy Postnatal Growth of Preterm Infants. Preeya Raja, Niels Rochow, Susanne A.L. Goettler, Andrea Jahn, Sandi Seigel, Douglas Campbell, Matthias Heckmann, Johannes Poeschl, Christoph Fusch. Published 2933.470

471* Higher PINP in Small-For-Gestational-Age (SGA) Preterm Infants Is Associated With Increased Growth During the First Six Months Post-Term. Monique van de Ladegama, Eveline van der Veer, Joost Rotteveel, Mirjam M. van Weissenbruch, Hirne N. Lafeber. Published 2933.471

472 Relationship between Non-Invasive Anthropometric Measurements and Body Fat Content for the Evaluation of Growth and Adiposity in Preterm Infants. John Ladino, Ruth Snyder, Ben Lee, Cathy Sawtell, Kathryn Crowley. Published 2933.472


474 Improving Postnatal Growth in VLBW Neontates: Trends and Interventions Over Two Decades. Joaquim M. Pinheiro, Pauline Graziano, Danielle Viola, Angel Rios, Jennifer Ludke. Published 2933.474

475 Factors Influencing Post Natal Growth Patterns in Very Low Birth (VLBW) Infants. Orna Flidel-Rimon, Moriya Raz, Uri Balil, Natale Natalya, Ada Juster, Eric S. Shinwell. Published 2933.475

476 The Role of Nutrition in the Prevention of Growth Failure in Preterm Infants With Bronchopulmonary Dysplasia: A Prospective Non Randomized Interventional Cohort Study. Maria L. Gianni, Paola Roggero, Anna Orsi, Orsola Amato, Pasqua Piiemontese, Mara Vanzati, Mariarosa Colnaghi, Fabio Mosca. Published 2933.476

477 Reference Chart of Physiological Weight Loss in a Population of Term, Breast Fed Newborns. Giovanna Bertini, Rita Breschi, Carlo Dani. Published 2933.477

478 Body Composition in Relation To Postnatal Levels of Insulin-Like Growth Factors in Children Born Preterm. Lennart Stigson, Anna Kistner, Eva Engstrom, Per Magnusson, Ann Hellstrom, Diane Swolin-Eide. Published 2933.478

479* Validation of Non-Invasive Measures of Body Composition in Infants Born Preterm: Waist Circumference/Length Ratio and Ponderal Index. Ashleigh R. Pavey, Maureen N. Hood, David M. Biko, Cara Olsen, Theophil A. Stokes, Carl E. Hunt. Published 2933.479

480* Body Composition Trajectories from Infancy To Preschool Age in Term and Preterm Infants. Johannam M. Scheurer, Heather L. Gray, Katherine Weir, Neely C. Miller, Sara E. Ramel, John Ladino, Ruth Snyder, Ben Lee, Cathy Sawtell, Kathryn Crowley. Published 2933.480

481 Weight Growth Velocity during Various Nutritional Phases of Neonatal Care in Very Low Birth Weight Infants. Lakshmi Rajkumar, Mannam Kamboj, Eleanor Estebanez, Inga Gukhman, Rakesh Sahni. Published 2933.481

482* Early Nutritional Support Influences Body Composition at Four Months Corrected Age in Very Low Birth Weight Preterm Infants. Ellen C. Christiansen, Heather L. Gray, Bridget Davern, Ellen W. Demerath, Sara E. Ramel. Published 2933.482
483 Can Body Mass Index Accurately Predict Adiposity in Newborns?.
Angela De Canto, Giulia Paviotti, Luca Ronfani, Laura Travani, Jenny Bua, Gabriele Conti, Sergio Demarinii. Publication 2933.483

484* Fat and Fat Free Mass Indices for Preterm and Term Infants During First 6 Month of Life. Ipsita Goswami, Niels Rochow, Gerhard Fusch, Christoph Fusch. Publication 2933.484

2934 Glucose Metabolism


486* Uterine Artery Hyperglycemia Acutely Hypersensitizes Fetal Insulin Signaling. Kok Lim Kua, Shanming Hu, Chunlin Wang, Andrew Norris. Publication 2934.486

487* Coordinated Changes in Hepatic Amino Acid Metabolism Support Glucose Production During Fetal Hypoglycemia. Satya Houin, Paul Rozance, Laura Brown, William Hay Jr., Randall Wilkening, Stephanie Thom. Publication 2934.487

488 Early Postnatal Hyperglycemia Are Associated With Lower Adiponectin Concentrations in Very Preterm Infants. Ingrid Hansen Pupp, Gunnel Hellgren, Ann Hellstrom, Chatarina Lofqvist. Publication 2934.488

489* The Effect of Chronic Hypoxemia on Hepatic Glucose Metabolism in Fetal Sheep. Christine Culpepper, Joshua Benjamin, Laura Brown, Stephanie Thom, Sonnet Jonker, Randall Wilkening, William Hay, Paul Rozance. Publication 2934.489


492 Birth Weight SD Score Influences Serum Urotensin II Levels in Preterm Infants at Term-Equivalent Age. Yuya Nakano, Kazuo Itabashi, Misato Hatsumi, Tashashi Shimizu, Kazushige Dobashi, Katsumi Mizuno. Publication 2934.492

493* Transfusion Associated Necrotizing Enterocolitis (TANEC) at Kosair Children's Hospital in Very Low Birth Weight Infants (<1500gms). Cindy D. Crabtree, Mitali Pakvasa, Paula G. Radmacher, David H. Adamkin. Publication 2934.493

494 Investigation of the Serum Zinc Concentrations in Very Low- Birth Weight Infants. Madoka Aizawa, Kazuo Itabashi. Publication 2934.494

495 Improved Intact Survival Rate Is associated With Increased Normal Initial Thyroid Function in Extremely Low Birth Weight Infants. So Yoon Ahn, So Young Choi, Jae Hyun Park, Myung Sook Lee, Se In Sung, Hye Soo Yoo, Yun Sil Chang, Won Soon Park. Publication 2934.495

2935 Respiratory Mechanics

496 Respiratory Mechanics Measurements by Inductive Plethysmography To Achieve Optimal Levels of Noninvasive Respiratory Support. Soraya Abbasi, Emidio M. Sivieri, Toni Mancini, Jeffrey S. Gerdes. Publication 2935.496

497* Airway Pressure Release Ventilation in a Preterm Pig Model of Respiratory Distress Syndrome. Esmond Arrindell, Marie van der Merwe, Frank Caminita, Ramesh Krishnan, Randy Buddington. Publication 2935.497

498* Nasal Intermittent Positive Pressure Ventilation (NIPPV) in Newborns: Do the Lungs See What Is Delivered To the Nose?. Amit Mukerji, Jaques Belik. Publication 2935.498

499* Surfactant Administration Through LMA. A Randomized Study in Rabbits. Cristian Bernardo, Maria Virasoro, Sebastian Burgos, Pablo Otero, Maria J. Lanbana, Carlos Fustimana, Gonzalo Mariani. Publication 2935.499


505 Heliox Does Not Improve Aerosol Delivery in Neonatal In Vitro Models of Pressure and Volume Controlled Mechanical Ventilation. Tomasz Szczapa, Krzysztof Chmura, Maks Kulza, Ewa Florek, Janusz Gadzinowski, Allen Merritt, Jan Mazela. Publication 2935.503


2936 Non-Invasive Ventilation

505 Effect of Synchronized SiPAP-Generated Nasal Intermittent Positive Pressure Ventilation (NIPPV) on Tidal Volume, in Preterm Infants. Louise S. Owen, Colin J. Morley, Peter G. Davis. Publication 2936.505

506 RAM Cannula: An In-Vitro Study of the Effect of Cannula Size and Nasal Diameter on Delivered Mean Airway Pressure During Nasal CPAP. Emidio M. Sivieri, Soraya Abbasi, Jeffrey S. Gerdes. Publication 2936.506


508 Customized Bubble Continuous Positive Airway Pressure Device at the National Hospital Abuja for the Treatment of Respiratory Distress in the Newborn. Lamidi I. Audu, Adekunle Otuneye, Amsa Mairami, Maria Mukhtar-Yola. Publication 2936.508


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514 Randomized Control Trial: Vapotherm (High Flow Humidified Nasal Cannula) as a New Tool in Comparison with Conventional Nasal Continuous Positive Airway Pressure (NCPAP) in the Management of Respiratory Distress Syndrome (RDS) in Extreme Low Birth Infants in Immediate Post Exutation Period. Mohammed Elkhwad, Anand Kantak, Joleen Dako, Jennifer Grow. Publication 2936.514

515* Augmented Inspiratory Airflow Via Nasal Cannula (AIF) and Chest Wall Mechanics among Premature Infants at 32 Weeks Post-Menstrual Age (PMA). Lara Ulm, James Kemp, Aaron Hamvas, Thomas Ferko, Laura Linneman, Julie Hoffmann, Claudia Cleveland, Maria Sicard-Su. Publication 2936.515

516 One Year Experience With Heated Humidified High Flow Nasal Cannula (H_FNC) in Infants ≤1250 Grams. Victoria Bizgu, Linda Levesque, Caroline Dupont, Apostolos Papageorgiou. Publication 2936.516

517 Comparison of Nasal Intermittent Positive Pressure Ventilation (NIPPV) Versus Nasal Continuous Positive Airway Pressure (NCPAP) as Post-Exutation Respiratory Support in Preterm Infants With Respiratory Distress Syndrome: A Randomized Controlled Trial. Bonny Jasani, Ruchi Nanavati, Nandkishor Kabra. Publication 2936.517

518* Nursing Perceptions of High-Flow Nasal Cannulae and Nasal CPAP Treatment for Preterm Infants. Calum T. Roberts, Brett J. Manley, Jennifer A. Dawson, Peter G. Davis. Publication 2936.518

2937 High Frequency Ventilation


520* Tidal Volume during High Frequency Oscillatory Ventilation With the VN-500 Ventilator. Sophie Korzan, Justyna Stachnik, Anna Gradzka-Luczewska, Tomasz Pikula, Lucyna Kramer, Martin Keszler, Jan Mazela. Publication 2937.520

521* Is Direct Exubation from High-Frequency Oscillatory Ventilation (HFOV) of Extremely Low Birth Weight (ELBW) Infants Feasible?. Alessandra Lio, Milena Tana, Chiara Tirone, Claudia Aurilia, Sarah Perelli, Cinzia Ricci, Costantino Romagnoli, Giovanni Vento. Publication 2937.521

522 Oxygenation in Neonates With Hypoxemic Refractory Respiratory Failure (HRRF) After Switching from High-Frequency Oscillatory Ventilator (HFOV) To High-Frequency Jet Ventilator (HFJV). Alla Kushnir, Nicole Kemble, Judy Saslow. Publication 2937.522


2938 Monitoring & Devices

524* Use of a Novel Respiratory Monitor To Determine Provider Accuracy in Assessing Change of Chest Wiggle in High Frequency Ventilation. Danielle Renodin-Mead, Scott H. Seidman, Timothy P. Stevens, Patricia R. Chess. Publication 2938.524


527* Exhaled Carbon Dioxide as a Marker of Lung Aeration in Preterm Infants at Birth. Liane Kang, Po-Yin Cheung, Gerhard Pichler, Megan O’Reilly, Khalid Aziz, Georg M. Schmolzer. Publication 2938.527

528* Exhaled Carbon Dioxide and Its Relationship To Neonatal Breathing Patterns in Preterm Infants Immediately after Birth. Jessica Nicoll, Po-Yin Cheung, Khalid Aziz, Vishal Rajani, Megan O’Reilly, Gerhard Pichler, Georg M. Schmolzer. Publication 2938.528


530* Predicting Exudtation Readiness in the Preterm Infant Using a Novel Test. Soji M. Varghese, Mariann Pappagallo, Janet Schwenn, Carrie-Ellen Briere, Elizabeth Brownell, Naveed Hussain. Publication 2938.530

531* Facial Measurements in Preterm Infants: Appropriate Mask Fit for Respiratory Support. Joyce E. O’Shea, Marta Thio, Louise S. Owen, Jennifer A. Dawson, Peter G. Davis. Publication 2938.531


533 Sonographic Evaluation of Inspiratory Diaphragm Thickness Changes To Predict Exudtation in Neonates. Luigi Cattarossi, Roberto Copetti, Carla Pinniti, Viviana Gregorutti, Serena Ellero, Silvia Del Torro, Marilena Savoia. Publication 2938.533


536 Laryngeal Airway Device Placement in Neonates. Amanda A. Wansous, Andrew Wey, Kyle D. Rudser, Kari D. Roberts. Publication 2938.536


539* Accuracy of Displayed and Delivered Tidal Volume in Neonatal Pigs. Ariana C. Mendiondo, Tracy L. Thurman, Shirley J. Holt, Mark J. Heulitt, Sherry E. Courtney. Publication 2938.539

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Author Poster Set Up: 12:00pm–4:15pm
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Vancouver
541* A Multivariate Bedside Calculator To Predict Exubtuation Success in VLBW Infants. Andrew Bowe, Samantha Zanelli, Mark Conaway, Alix Paget-Brown, Karen Fairchild, Robert Sinkin. Publication 2939.541

542* The Myth of Minimal Ventilatory Settings for Exubtuation in Preterm Infants. Wissam Shalish, Sabrina Furtado, Nina Nowaczyan, Guilherme M. Sant’Anna. Publication 2939.542


544* Decreasing the Amount of Time VLBWs Spend in High Oxygen Saturation Ranges - A QI Initiative. Jenda Arawirin, Lorna Welde, Jeanne Curry, Gad Alpan. Publication 2939.544


546* Protocols for Respiratory Care in the NICU: A Canadian Experience. Wissam Shalish, Guilherme M. Sant’Anna. Publication 2939.546

547* Variation in Hypoxemia Episodes between Day and Night and Its Effect on Oxygen Saturation Targeting in Preterm Infants. Deepak Jain, Nelson Claire, Jose Bello, Carmen D’Ugard, Eduard Bancalari. Publication 2939.547

2940 Medications


549 Narcotics and Sedatives during Ventilation in Preterm Infants: Associations With Mortality/Morbidities. J. Toye, L. Mirea, J. Yang, K. Sankaran. Publication 2940.549


551 Switching from 100 To 200 mg/kg of Porcine Surfactant as First Line Treatment of RDS in Preterm Neonates: A Retrospective Cohort Study. Matteo Pasqualini, Paolo Marchioni, Cecilia Proietti Pannunzi, Stefano Nobile, Maria Laura Palazzi, Paola E. Cogo, Virgilio P. Cenni. Publication 2940.551


553* Does Repeat Dosing of Surfactant Predict Mortality in ELBW Infants? Brian K. Jordan, Nahid R. Keshavarzi, Steven M. Donn. Publication 2940.553

554* Impact of AT3 Infusion on Coagulation in a Porcine ECMO Model. Peter D. Everson, Erik C. Osborn, Melissa M. Tyree. Publication 2940.554

APS/SPR Student Research Program

Bridge Hughes

555* Indications for and Patterns of Bronchodilator Use in the Neonatal Intensive Care Unit. Bridget K. Hughes, Lannie C. Santo, Lawrence M. Rhein. Publication 2940.555

APS/SPR Student Research Program

Eilann Santo

555A Efficacy of Bronchodilator Use in the Newborn Intensive Care Unit. Eilann C. Santo, Bridget K. Hughes, Lawrence M. Rhein. Publication 2940.555A

555B Bronchodilator Use in the Neonatal Intensive Care Unit. Eilann C. Santo, Bridget K. Hughes, Lawrence M. Rhein. Publication 2940.555B

556* High Versus Low-Dose of Caffeine for Apnea of Prematurity: A Randomized Controlled Trial. Sameh Mohammed, Islam Nour, Abd Elazeez Shabaan, Basma Shouman, Hesham Abdel-Hady, Nehad Nasef. Publication 2940.556

2941 BPD Outcomes

557* Accuracy of the Diagnosis Bronchopulmonary Dysplasia in a Referral Based Health Care System. Maaiche C. van Rossem, Anton H. van Kaam, Wes Onland. Publication 2941.557


559* Factors Affecting Nasal Intermittent Positive Pressure Ventilation (NIPPV) Failure and Impact on Bronchopulmonary Dysplasia (BPD) in Neonates. Paulomi Mehla, Jessica Berger, Emily Buscholz, Vineet Bhandari. Publication 2941.559

560* Is Non-Invasive Respiratory Support Associated With Improved Mortality and Short Term Outcomes in Infants With Severe BPD?. Nicolas Bamat, Kevin Dysart, David Munson, Kathryn L. Maschhoff, William W. Fox, Huayan Zhang, Haresh Kirpalani. Publication 2941.560

561 Lung Function Impairment During Infancy Is Associated With the Severity of Bronchopulmonary Dysplasia at Diagnosis. G.S. Kerby, M.K. Sontag, J.I. Miller, S.H. Abman, P.M. Mourani. Publication 2941.561

562* Poor Response To Surfactant Is Associated With Decreased Survival without BPD in Premature Infants. Jose A. Bello, Nelson Claire, Deepak Jain, Silvia Vanbuskirk, Eduard Bancalari. Publication 2941.562


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Nuclear Heme Oxygenase (HO)-1 Enhances 8-Oxoguanine Glycosylase (OGG)-1 Nuclear Translocation and Transcription and To Mediate DNA Repair after Hyperoxia. Monica L. Williams, Amal P. Fernando, Mekdes T. Yohannes, Phyllis A. Denny. Publication 2942.570

Does Even Mild Respiratory Distress in Preterm Infants Alter Oxygen Delivery To Tissue Significantly?. Bernhard Schwabeger, Gerhard Pichler, Corinna Binder, Alexander Avian, Mirjam Pocevalnik, Berndt Urlesperger. Publication 2942.571

Glutathione Sulfonamide as an Early Predictor of Lung Inflammation in the Neonatal Period. Julia Kuligowski, Maria Cernada, Javier Escobar, Maria Brugada, Elena Cubells, Antonio Nunez, Marta Aguar, Maximo Vento. Publication 2942.572


Does Chronic Oxygen Dependency at NICU Discharge Predict Respiratory Outcomes at 3 Years of Age?. Yacov Rabi, Swasti Lodha, Krystyna Ediger, Evelyn Ma, Albert Akierman, Selphee Tang, Vineet Bhandari, Abhay Lodha. Publication 2942.574

Association of IL-10-1082 G Allele With Severe Respiratory Distress Syndrome -A Pilot Study. Kyu Hyung Lee, You Jin Choi, Jeong Hee Kang, Heui Seung Jo. Publication 2942.575


Factors Associated With Long-Term Mechanical Ventilation in Neonates Born at <27 Weeks and Admitted to an All Referral NICU by 7 Days of Age. Lina Yossef Salameh, Edward G. Shepherd, Susan Lynch, Leif D. Nelin, Elizabeth Martin. Publication 2942.577

Duration of Respiratory Support (Invasive or Non-Invasive) Adversely Affects Outcomes of Extremely Low Birth Weight Infants. Huayan Zhang, Kevin C. Dysart, Douglas E. Kendrick, R. Murthy, Khairi Al Turki. Publication 2942.578


The Effect of the National Shortage of Vitamin A on Death or Chronic Lung Disease in Extremely Low Birth Weight Infants. Veeral N. Tolia, Karna Murthy, Pamela S. McKinley, Monica M. Agthe, Rose M. Viscardi. Publication 2942.580

Risk Factors and Outcomes Associated With Pulmonary Hemorrhage in Newborn. Cristina H.F. Ferreira, Fabio Carmona, Francisco E. Martinez. Publication 2942.581

Infant Car Seat Challenges for Low Birth Weight Term Neonates: Incidence and Risk Factors for Failure. Natalie L. Davis. Publication 2942.582

Factors Contributing To Post-Operative Respiratory Deterioration in Preterm Infants. Munmun Rawat, Tamer Elattary, Jerrold Lerman, Satyan Lakshminrusimha. Publication 2942.583

Sleep Disordered Breathing in Infants Younger Than 2 Years of Age: A Population at Risk?. Marisa J. Pacella, Danna Tauber, Suzanne M. Touch. Publication 2942.584

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Effect of Nasal Continuous Positive Airway Pressure on Cardiac Function in Preterm Infants With Evolving Lung Disease. Friederike Beker, Sheryle R. Rogerson, Arvind Sehgal, Stuart B. Hooper, Peter G. Davis. Publication 2943.586


Severe Intracranial Hemorrhage in Extremely Premature Infants: Are High Carbon Dioxide Pressure or Fluctuations the Culprit?. Dima Altaany, Girija Natarajan, Dhruv Gupta, Sanjay Chawla. Publication 2943.588


Two-Year Developmental Outcomes of Preterm Infants Received Human Umbilical Cord Blood Derived Mesenchymal Stem Cells for the Prevention of Bronchopulmonary Dysplasia. Yun Sii Chang, So Yoon Ahn, Soon Young Nam, Soo Young Choi, Jae Hyun Park, Myung Sook Lee, Se In Sung, Hye Soo Yoo, Won Soon Park. Publication 2943.591

Perinatal Drug Exposure


Serum Levels of Soluble Fas and Soluble Fas Ligand in Pregnant Women Who Smoke. Vrinda Nair, Shashib H. Hasin, Kamran Yusuf. Publication 2944.593


Maternal Methadone Treatment and Neonatal Abstinence Syndrome. William F. Liu, Kultar Singh, Mohamed Faisal, Shuang Li. Publication 2944.595


Can Metabolites of Maternal Narcotic Use Predict Neonatal Abstinence Onset and/or Course? J. Jason Pryor, Singh Piaysh, Dankhara Niles, Redmond Amy, Brown Stacy, Shah Darshan. Publication 2944.597


Characteristics of Infants Requiring Phenobarbital for NAS. Kristin J. McKenna, Ursula Nawab, Zubair Aghai, Janet Larson. Publication 2944.600
2946 Maternal Obesity & Diabetes

616 Obstetrical Management of Non-Diabetic (nDM) Pregnanies Complicated by Fetal Macrosomia. Kara Markham, Paul Paetow, Mark B. Landon, Craig A. Nankervis, Leandro Cordero. 
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Publication 2946.617

618* Exercise Improving Fitness in Obese Women during Pregnancy: A Difference for the Mother and Child?. Michele Bisson, Natalie Almeras, Sebastien Dufresne, Caroline Rheume, Emmanuel Bujold, Julie Robitaille, Jerome Fenrette, Angelo Tremblay, Isabelle Marc. 
Publication 2946.618

619* Neonatal Outcomes of Grade 1 and Grade 2 Macroscopic Infants Born To Non-Diabetic Mothers. Paul Paetow, Mark B. Landon, Craig A. Nankervis, Leandro Cordero. 
Publication 2946.619

620 Breastfeeding Initiation (BFI) Among Macroscopic Infants Born To Obese Non-Diabetic Mothers (nDM). Leandro Cordero, Reena Oza-Frank, Mark B. Landon, Craig A. Nankervis. 
Publication 2946.620

621* Neonatal Outcomes of Macroscopic Infants of Diabetic and Non-Diabetic Mothers. Paul Paetow, Mark B. Landon, Craig A. Nankervis, Leandro Cordero. 
Publication 2946.621

2947 Perinatal / Neonatal Management / Preterm

Publication 2947.622

Publication 2947.623

Publication 2947.624

625* Maternal Thyroid Hormone Function at the End of Complicated Pregnancies and Influence on the Newborn. An Eerdekens, Johan Verhaeghe, Greet Van den Berghe, Karel Allegaert, Gunnar Naulaers. 
Publication 2947.625

626* Evolution of Thyroid Hormone Function during the First Week of Life in Preterm Infants. An Eerdekens, Karel Allegaert, Gunnar Naulaers, Chris Vanhole. 
Publication 2947.626

2948 Paternal and Maternal Postnatal Depression and Stress among Parents of VLBW Infants Preparing To Transition from the NICU To Home. Craig F. Garfield, Young Lee, Hyung Nam Kim, Joshua Rutsohn. 
Publication 2948.627

Publication 2948.628

Publication 2948.629

630 Response To Pain and Sucrose Analgesia in Neonates With or Without Iron Deficiency (ID). Yunyi He, Ming Li, Betsy Lozoff. 
Publication 2948.630
2948  

2949  

Brain Imaging Methodology

36* Cranial Ultrasound Derived ‘Thalamic Area’ as a Marker for Brain Growth in Premature Infants and Comparison With Similar Fetal Measures*. Anil Kopuri, Mohammad Yaqub, Sylvia Rueda, Kenny McCormick, Peter B. Sullivan, J. Alison Noble. Publication 2949.636

367* Cerebral Metrics Comparison between Brain MRI and Ultrasound in Preterm Infants. Philippe Vo Van, Gratiana Mac, Saturnin Viatonou, Patrice Morville, Nathalie Bednarek. Publication 2949.637

368* Brain Templates for Neonates With Congenital Heart Defects: Preliminary Results from an International Consortium. Jue Wu, Peter Schwab, Arastoo Vossough, James Gee, Daniel Licht. Publication 2949.638


640* Cortical Morphology in Infants With Congenital Heart Disease Pre- and Post-Surgery. Pim Moekops, Manon Benders, Andreas Buchman, Beatrice Latal, Walter Knirsch, Linda de Vries, Cornelis Hagmann, Ivana Isgum, Michael Von Rhein. Publication 2949.640


642 MR Spectroscopy Analyses: Comparable at Long but Not Short Echo Times. Kathryn Hope, Hunter Moss, Denise Mulvihill, Truman Brown, Dorothy Jenkins. Publication 2949.642

643* Imaging the Developing Brain at the Bedside. Silvina Ferradal, Steve Liao, Adam Eggebrecht, Joshua Shimony, Terrie Inder, Joseph Culver, Christopher Smyser. Publication 2949.643


647 Negative Visual Activation on Functional MRI (fMRI) in Healthy Term Infants. Stephanie L. Merhar, Jean A. Tkach, Elveda Nabi-Burza, Sybil Murphy, Stacia Finch, Scott K. Holland. Publication 2949.647


2950 Neonatal Neurocritical Care

652* 8 Years in the NICU: the Impact of a Neonatal Neurocritical Care Service. Theresa M. Czech, Malaika Cordeiro, An N. Massaro, Taeun Chang. Publication 2950.652


General Pediatrics & Preventive Pediatrics

2951 Tobacco

654* A Novel Measure of Socioeconomic Status Using Individual Housing Data in Asthma Research. J. Gauger, M. Bachman, J. Rand-Weaver, E. Krusemark, S. Katusic, Y. Juhn. Publication 2951.654


658 Happiness and Smoking Cessation: Are Parents Happier after Quitting Smoking?. Jeremy E. Drehmer, Bethany Hipple, Deborah Ossip, Emarra Nabi-Burza, Sybil Murphy, Stacia Finch, Jonathan Winickoff. Publication 2951.658
Epidemiology of RSV Hospitalizations and Association With Regional RSV Activity. Alexander F. Gluck, Stephanie Kjelleren, Annika M. Hofstetter, Anupama Subramony. Publication 2952.676


Analysis of Direct Admissions and Referrals To a Tertiary Care Pediatric Hospital. Emily C. Webber, Benjamin D. Bauer, Chrisy K. Marcum, Mara E. Nitu, Michele S. Sayasana. Publication 2952.678


Parents’ Interest in Using Mobile Technology To Communicate With Inpatient Medical Teams. Anupama Subramony, Patricia Hametz, Jennifer Atlas, Karen Wish, Coleen McCarthy, Margaret M. Murray, Melissa Stockwell. Publication 2952.681

Azithromycin Use in Children Hospitalized With Acute Asthma Exacerbations. O. Fakeye, E. Fieldston, L.C. Douglas. Publication 2952.682

Demographic Factors Associated With Bronchiolitis Readmission. Jeffrey Riese, Russell McCulloh, Brian Alverson. Publication 2952.683

Triage of Intermediate Care Patients in Pediatric Hospitals. Christiana M. Russ, Michael S.D. Agus. Publication 2952.684

Randomized Controlled Trial of the Efficacy of Nebulized 3% Saline Without Bronchodilators for Infants Admitted With Bronchiolitis: Preliminary Data. Alyssa H. Silver, Ilir Agalliu, Gabriella Azzarone, Lindsey Douglas, Diana S. Lee, Sheila Liewehr, Joanne Nazif, Hai Jung Rhim, Susan Villegas, Nora Esteban-Cruciani, Katherine O’Connor. Publication 2952.685

Rates of Co-Existing Bacterial Meningitis in Neonates With Febrile Urinary Tract Infection. Sowdhamini Wallace, Danielle Brown, Andrea Cruz. Publication 2952.686

Bad To the Bone: A Relative Cost Analysis of Pediatric Osteomyelitis Management. Chang L. Wu, Daniel C. Williams, Terry C. Dixon, Kt N. Simpson, Annie L. Andrews. Publication 2952.687

Physician Identification and Management of Overweight and Obese Pediatric Patients Hospitalized in an Academic Center. Marta King, Florly Nkoy, Chris Maloney, Nicole Mihalopoulos. Publication 2952.688

Comparison of Respiratory Status 3 Ys 4 Hours After Bronchodilator Therapy in Hospitalized Asthmatics. Vincent Uy, Alyson Smith, Paulo Pina, Rubin David, Daniel Eriehsen. Publication 2952.689


694 MyPICS: Photo Identification Cards of a Medical Team on an Inpatient Pediatric Ward. Patrick Peebles, Sabrina Santiago, Nicole Learned, Kerin Arora Gaudet, Katherine Ort, Santellia Rose, Erin Verrier, Katherine Padrez, Emily Roth, Gleen Rosenbluth. Publication 2952.694


696 Utilizing a Distance-Based Institutional Partnership To Build Local Quality Improvement Capacity. Hadley S. Sayers, Melissa N. Keene, Claire C. Marr, Dawn S. Tuell, William M. DeVoe, Jeffrey M. Simmons, Craig H. GOSDIN. Publication 2952.696


700 Pediatric Observation Units in the U.S.: Survey of Care Delivery. Leticia A. Shanley, Carla Hronek, Matt Hall, Evan S. Fieldston, Elizabeth R. Alpern, Paul D. Hain, Samir S. Shah, Rustin B. Morse, Michelle L. Macy. Publication 2952.700

701 Asthma Discharge Contract: Improving the Transition To Outpatient Care for Patients Hospitalized With Asthma. Eric K. Zwerner, Elizabeth Moulton, R. Grant Rowe, James Moses, Fabienne Bourgeois. Publication 2952.701

702 The Utility of 6-Hour Rebound Bilirubin Levels in Otherwise Healthy Neonates Admitted for Phototherapy. Adam Berkowitz, Rachel Osborn, Matthew Grossman. Publication 2952.702

703 If You Have Seen One Pediatric Hospitalist: Variation in Practice Management. Frank Cipriano, Irene Kocolas, Nicole Langston, Bryan Stone, Michelle Hofmann. Publication 2952.703


705 Clinical Perceptions of A Pediatric Rapid Response Team Program: Are We Improving Care?. Jennifer Reese, Beth Wathen, Jennifer Roth, Katherine Ward, Danielle Mashburn, Gunville Cameron, Emily Dobyns. Publication 2952.705

706 Impact of Body Mass Index on Inpatient Status Asthmaticus. Jessica Bettenhausen, Henry Puls, Mary Ann Queen, Christina Peacock, Stephanie Burrus, Ashley Daly, Chris Miller, Amy Lee, Jeffrey Colvin. Publication 2952.706

707 Multisite Study of Enablers and Barriers of Clinical Team Situation Awareness. Patrick W. Brady, Suzanne Campanella, Elizabeth Biddell, Efua E. Prah, Linda M. Goldenhar. Publication 2952.707

708 Evaluating the Implementation of a Family-Centered Rounding Checklist. M.M. Kelly, A. Xie, Y. Li, R. Cartmill, E.D. Cox, R. Carayon. Publication 2952.708

709 The Effect of 0.45NS Versus 0.9NS on Iatrogenic Hyponatremia in Pediatric Hospitalized Patients With Gastroenteritis. Waheeda Samady, George Lales, Craig Garfield. Publication 2952.709


711 Hyperchloremic Non-Anion Gap Metabolic Acidosis Following Infusion of Isotonic Versus Hypotonic Parenteral Solutions in Children. Panagiotis Kastrideminos, Ioannis Koutronis, Filipina-Filia Dimitriadi, Geoffery Lim, Janice Lichtenberger, Margaret C. Fisher. Publication 2952.711


713 Late-Night Eating in Hospitalized Children. Ashley G. Sutton, Ellen L. Cowherd, Jennifer O. Vincent, Michael S. Humphries, Stacie Bonin, Eliana M. Perrin, Michael J. Steiner. Publication 2952.713

714 The Impact of Default Dosages on Providers Caring for Pediatric Pyleonephritis. Stephanie A. Burrus, Yui-Yee R. Chan, Stephen A. Delurgio. Publication 2952.714


716 Infant Sleep Safety on a Pediatric General Medical Unit. David A. Wathen. Publication 2952.716


721 Evaluation of Nebulized Hypertonic Saline Without Bronchodilators in a Bronchiolitis Treatment Pathway. Publication 2952.721

722 Intervention To Improve Rapid Response Team Communication, Teamwork, and Understanding. Jaclyn N. Kline, Daniel T. Coghlin. Publication 2952.722

723 Underserved

724 Asthma Identification and Medication Administration Forms in NYC Schools. Marina Reznik, Jill S. Halterman. Publication 2953.723

725 Adverse Childhood Experiences (ACES) in an Urban Latino Community: A Qualitative Study. Lee M. Pachter, Yasmin Bahora, Marcy Witherspoon, Martha Davis, Carolynn Smith-Brown, Bruce A. Bernstein. Publication 2953.724

726 Hospital Characteristics of Admissions for Low Income Children. Jeffrey Colvin, Matt Hall, Paul Chung. Publication 2953.726
727 Is Maternal Depression Associated With Decreased WIC Receipt and/or Use?. Sarah Toy, Yorghos Tripodis, John Cook, Arvin Garg. Publication 2953.727

728 A Successful Program for Training Parent Mentors To Provide Assistance With Obtaining Health Insurance for Uninsured Children. Glenn Flores, Candice Walker, Hua Lin, Tony Fierro, Monica Henry, Ken Massey, Alberto Portillo. Publication 2953.728


734* The Mother Baby Personal Health Record: Development of a Novel Tool for Connecting Mothers, Babies and Providers. John Scholefield, Aimee Abu-Shamsieh. Publication 2953.734

735 Hispanic Parents’ Preferences for Terminology Used in Pediatric Weight Counseling. Shanna Knierim, Alanna Rahm, Matthew Haemer, Silvia Raghunath, Sophia Newcomer, Christina Clarke, Leslie Wright, Simon Hambidge, Leora Mogilner, Geoffrey Collins. Publication 2953.735

736 Off the Mat: Piloting a Mindfulness Based Curriculum With Adolescents in East Harlem. Maureen Braun, Brenda Levy, Leora Mogilner, Geoffrey Collins. Publication 2953.736

737* Understanding Social Determinants of Asthma Health: Children's Hospital Primary Care Pilot Assessment. Lucy Schulson, Linda Haynes, Rachael Grant, Joanne Cox, Faye Holder-Niles. Publication 2953.737

738* A Novel Measure of Socioeconomic Status Using Individual Housing Data in Health Disparities Research among Children in a Mixed-Urban Rural Setting. Hussam Ghawi, Chung II Wi, Elizabeth A. Krusemark, Jennifer Rand-Weaver, Jennifer St. Sauver, Timothy Beebe, Jeff Sloan, Barbara Yawn, Brian Lahr, Debra Jacobson, Young Juhn. Publication 2953.738

739* Early Childhood Screen Time and Obesity in a Low-Income Latino Population Attending WIC. Karin Asplund, Yassar Arain, Laura Kair, Marlene Cervantes, Nicolas Oreskovic, Katharine Zuckerman. Publication 2953.739

740 Assessing Legal Needs of Patients at a Federally Qualified Health Center. Milani Patel. Publication 2953.740

741 Making It Personal - A Qualitative Study of Food Insecurity. Diana Cutts, Mariana Chilton, Stephanie Ettinger De Cuba. Publication 2953.741

742 Examination of Pediatricians on Diagnosis, Treatment, and Resources for Common Mental Health Disorders in a Rural State. Ken L. Cheyne, Hayden L. Smith, Kelly D. Schifsky, Ethan C. Pettit. Publication 2953.742


743A Parental Perceptions To the Use of Electronic Health Records in Resident General Pediatric Clinics. Lucy C. Holmes, Fred D. Archer. Publication 2953.743A

743B Younger Parental Age May Be a Stronger Predictor for Caregiver Internet Access for Medical Information Than Income or Race. Lucy C. Holmes, Fred D. Archer. Publication 2953.743B

2954 Global Health

744* How Many Mosquito Nets Are Necessary To Protect a Family from Malaria?. Andrew C.L. Sherman, Claude A. Aligne, Jesse D. Matthews, Aaron K. Blumkin, Peter G. Szilagyi. Publication 2954.744

745 Causes for Early Neonatal Death in Rural Uganda. Eisha Grant, Florence Beinempekha, Robert Bortolussi, Noni MacDonalld. Publication 2954.745


748 Predictors and Outcomes of Referral of Neonates from Rural Communities To a Higher Level of Care in Nagpur, India. Archana Patel, Camille Raynes-Greenow, Amber Prakash, Patricia Hibberd. Publication 2954.748

749* Evaluating Adherence To IMCI Treatment Guidelines and Associated Factors Among Mid-Level Healthcare Workers in Rural Kenya. Mihir Vyas, Moka Lantum, Lilly Marouf, Omolara Uwemedimo. Publication 2954.749


752* Evaluation of a Malnutrition Management Program in Gujarat, India. Reena Patel, Flory Nkoy, Chris Maloney, Bernhard Fassel. Publication 2954.752

753* Educational Assessment of Helping Babies Breathe Training in a Community Hospital in Honduras. Teresa L. Seto, Srirama Josyula, Juan Carlos Vasquez, Beena D. Kamath-Rayne. Publication 2954.753


756* Assessing Mothers’ Knowledge Before and After an Early Childhood Health and Development Intervention in Guatemala. Gretchen Domek, Maureen Cunningham, Brittny Macdonald, Catherine Cooper, Madiha Abdel-Maksoud, Stephen Berman. Publication 2954.756
2955 Environmental Health

771 Prenatal Benzophenone-3 Exposure in Relation To Prenatal Testosterone and Male Infant Anogenital Distance. Sheela Sathyaranayana, Shanna Swan. Publication 2955.771

772 The Influence of Prenatal Smoke Exposure on Growth Differences Between Boys and Girls at 9 Months. Susan M. Braid, Jenny Bernstein. Publication 2955.772

773* Environmental Smoke Reduction in a Sheltered Homeless Population. Terrell N. Stevenson, Elizabeth Baca, Janine Bruce, Lisa Chamberlain. Publication 2955.773

774* Does Aluminum Exposure Affect Neurodevelopment? Findings from DIALS: the Development in Infants and Aluminum Levels Study. Mateusz Karwowski, David Bellinger, Kathleen Gura, Nicole Quinn, Alan Woolf. Publication 2955.774

775 Relationship Between Wind Direction and a Temporal Kawasaki Disease (KD) Cluster. James J. Burns, Raid Amin, Tangra Broge, Salim Hommeida, Patricia Onuegbu, Sneha Taylor. Publication 2955.775

776 Growing Healthy Soil for Healthy Communities. Sheri Johnson, Dalila Cardona, Benjamin Gramling, Chelsea Hamilton, Ray Hoffmann, JoAnne Sabir, Doug Soldat, Steve Ventura. Publication 2955.776

Developmental Biology

2956 Cell Fate & Organogenesis

777 Notch Signaling Regulates Pulmonary Surfactant Proteins Production in Fetal Mouse Lungs. Po-Nien Tsao, Shu-Chen Wei. Publication 2956.777


780 The Impact of SSRI Exposure on Murine Cardiac Development. Sarah Haskell, Cecilia Lo, Kenneth Volk, Veronica Peotta, Benjamin Reinking, Robert Roghair. Publication 2956.780

781 Elastin Regulates Parenchymal Cell Fate and Signaling During Lung Alveolarization. Alwiya M. Ahmed, Cassandra M. Kelleher. Publication 2956.781

782 Insights into Neonatal Hypoxic Injury from a Zebrafish Genetic Model. Farhad B. Imam. Publication 2956.782

783 New Human Retinal Pigment Epithelial Cell Models for Interrogating Molecular Mechanisms of Pediatric Retinopathies. Devaraj Sambalingam, Xiaoming Gong, Meredith Harell, Dianne Mitchell, Lewis Rubin. Publication 2956.783


785* Toluene Disruption of L1 Function: Investigating Mechanisms Behind Fetal Solvent Syndrome. Kimberly M.R. White, Julia Sabatino, Ningfeng Tang, Min He, Cynthia F. Bearer. Publication 2956.785
Pulmonary Vascular Disease

2958 - Pulmonary Vascular Disease

799 - Endothelin-1 Production Regulates Normal Fetal Pulmonary Artery Smooth Muscle Cell (PASMC) Growth and Increases Proliferation of PASMC from Fetal Sheep With Chronic Intrauterine Pulmonary Hypertension. Jason Gien, Logan Brock, Katherine N. Kuhn, Nancy Tseng, Steven H. Abman. Publication 2958.799

800* - Cellular Redox Status Affects Thioredoxin (TRX) System in a Fetal Lamb Model of Persistent Pulmonary Hypertension of the Newborn (PPHN). Ruchi Singla, Ru-Jeng Teng, Annie Eis, Girija Ganesh Konduri. Publication 2958.800

801 - Nogo-B Receptor (NgBR) Expression Modulates the Pulmonary Artery Smooth Muscle Cell (PASMC) Function in Developing Lungs. Kent S. Tadokoro, Ujala Rana, Girija G. Konduri, Robert Q. Miao, Ru-Jeng Teng. Publication 2958.801

802 - Hydrocortisone Effects on Pulmonary Vasculature in a Murine Model of Bronchopulmonary Dysplasia (BPD) Associated Pulmonary Hypertension. Marta Perez, Keng Jin Lee, Gina A. Kim, Joann M. Taylor, Kathryn N. Farrow. Publication 2958.802

803 - Resveratrol Prevents Hypoxia-Induced Arginase II Expression and Proliferation of Pulmonary Artery Smooth Muscle Cells Via Akt-Dependent Signaling. Bernadette Chen, Jianjing Xue, Xiaomei Meng, Andrea E. Calvert, Louis G. Chioine. Publication 2958.803


805 - Thrombin-Induced Pulmonary Vascular Constriction in Pulmonary Arteries and Veins Isolated from Postnatal Lambs With Normal and Increased Pulmonary Blood Flow. Jun Maki, Wenhui Gong, Christine Sun, Rebecca Johnson, Michael Johengen, Gary Raff, Sanjeev Datar, Peter Oishi, Jeffrey Fineman. Publication 2958.805

806 - Sildenafil Decreases Pulmonary Arterial Reactive Oxygen Species, Increases eNOS and Improves Oxygenation in Persistent Pulmonary Hypertension of the Newborn (PPHN). Stephen Wedgwood, Satyan Lakshminrusimha, Kathryin Farrow, Robin Steinhorn. Publication 2958.806

807* - Extracellular Growth Restriction Alter eNOS Promoter Region Epigenetic Characteristics in Rat Pulmonary Vascular Endothelial Cell. Lii Zhang, Lili Tang, Lizi Licong. Publication 2958.807

808 - Does Fetal Growth Restriction Alter the Cardiopulmonary and Cerebral Hemodynamic Response To Early Surfactant Treatment? Atul Malhotra, Suzanne L. Miller, Elise B. Coia, Graham Jenkin, Stuart B. Hooper, Arvind Sehgal, Andrew W. Gill, Martin Kluckow, Graeme R. Polglase. Publication 2958.808

809* - Overweight and Obesity May Alter Immune Responses To Influenza Vaccine in Children. Justin E. Paulson, Heather A. Paich, Elisa M. Perrin, Michael J. Steinic, Ping-jie Xiao, Michael G. Hudgens, Melinda A. Beck, Terry L. Noah. Publication 2958.809
810  Substantial Variations in Care and High Readmission Rates Among Children With Tracheostomies Hospitalized for Bacterial Lower Respiratory Tract Infections. Christopher J. Russell, Sheree M. Schrager, Joyce Koh, Vivian Lee, Susan Wu. Publication 2959.810


812  How Do Preterm Infants Respond To Inhaled Nitric Oxide According To B-Type Natriuretic Peptide (BNP) Levels? Sariya Prachukthum, Elizabeth So, Jeremy D. Marks, Michael D. Schreiber. Publication 2959.812

813*  Sleep Disordered Breathing Is Associated With Increased Cardiometabolic Risk in Severely Obese Adolescents. Abigail R. Strang, Thao-Ly T. Phan, George Datto, Samuel Gidding, Aaron Chidekel. Publication 2959.813


816  Increased Ventilatory Demand During Sleep in Children With Cystic Fibrosis. Shrutti M. Paranjape. Publication 2959.816


2960  Asthma

818  Risk of Asthma at Birth and in Young Adulthood Among Children Born Pre-Term or Late Pre-Term. Helsinki Medical Birth Registry Study. Pieta Nasanen-Gilmore, Suvi Turkka, Anneli Pouta, Marja Vaarasmaki, Mika Gissler, Eero Kajantie, Petteri Hovi. Publication 2960.818

819*  Sustained Increase in Airway Reactivity Is Dependent on Severity of Neonatal Hypoxemic Exposure in Mice. Harris U. Onugha, Akua F.A. Abrah, Catherine A. Mayer, Peter M. MacFarlane, Y.S. Prakash, Richard J. Martin. Publication 2960.819

820*  Asthma Specialty Clinics Decrease Emergency Department Visits in Inner-City Children Hospitalized for Asthma Exacerbation. Elena Aragona, Justin Wang, Tessa Scheckelhoff, Trevor Scheckelhoff, Assata Hyacintie, Gustavo Nino, Dinesh K. Pillai. Publication 2960.820

821*  Impact of Obesity on Clinical Outcomes in Inner-City Children Hospitalized for Asthma Exacerbation. Elena Aragona, Justin Wang, Tessa Scheckelhoff, Trevor Scheckelhoff, Assata Hyacintie, Gustavo Nino, Dinesh K. Pillai. Publication 2960.821

822  Self-Reported Sleep Disordered Breathing Is Associated With Probable Asthma and Asthma Severity in Minority Adolescents. Stephanie O. Zandieh, Amaris S Cepedas, Adam Ciareligto, Wallace Bourgeois, Tiffany R. Soetikno, David M. Rapoport, Jean-Marie Bruzzese. Publication 2960.822

823*  Heterogeneity of Lower Airway Inflammation in Children With Severe Persistent Asthma. Caitlin E. O'Brien, Alfn G. Vicencio. Publication 2960.823

824*  Safety of Continuous Albuterol in the Treatment of Status Asthmaticus Outside of the Intensive Care Unit. Erica Roesch, Michelle Stevenson, Adrian O’Hagan, Sara Muilter. Publication 2960.824

Medical Education

2961  Clinical Education


827  The Evaluation of a Night Float Hospital Experience During the Third Year Pediatric Clerkship. Maria N. Kelly, Erik W. Black, Justin J. Hendricks, Shelley W. Collins. Publication 2961.827

828*  Medical Student Clinical Decision Making in the Precepted Clinical Encounter: A Qualitative Study. Pamela Fazzio, Martin V. Pusic, Zeena Audi, Andrew Mutnick, Robert Best, Lindsey Tilt. Publication 2961.828


831*  Continuity vs. Diversity of Experience: Comparing Two Ambulatory Pediatric Clerkship Scheduling Models. Rochelle Remus, Jamie Sutherrell, Marta King. Publication 2961.831

832  Family Empowerment Actions During Patient and Family-Centered Rounds. Sarah H. Vepaskas, Michael C. Weissgerber, Heather Toth, Anjali Sharma, Christabel F. Yamouh. Publication 2961.832

833  Do Pre-Clinical Experiences Adequately Prepare Medical Students for Their Pediatrics Clerkship: Medical Student Perceptions. Melissa Held, Adam R. Weinstein, Linda Lewin, Kathleen Gibbs, Blair Hammond, Jennifer M. Jackson. Publication 2961.833


835*  The Impact of Family-Centered Rounding on Resident Education and Autonomy. Katie K. Wolfe, Cynthia Castiglioni. Publication 2961.835


Pharmacology

2962  Clinical Focus

837*  Neonatal Abstinence Syndrome and Management With Morphine Therapy in the NICU. Nicole Hollinger, Christopher Hvisdas, Maria Samohod, Lindsey Roke, Tara E. DeCerbo, Marie Roke Thomas, Kristin J. McKenna, Janet Larson. Publication 2962.837
838* Population Pharmacokinetics/Pharmacodynamics of Vancomycin in Adolescent Patients. Tian Yu, Alfred H. Balch, Michael G. Spigarelli, Catherine M.T. Sherwin. Publication 2962.838

839* Psychotropic and Non-Psychotropic Prescription Use Among Children With Autism Spectrum Disorders in Northern New England; Regional Variation and Comparison To the General Population. Samantha A. House, Chiang-Hua Chang, Jared R. Wasserman, David C. Goodman, Nancy E. Morden. Publication 2962.839


842 Correlation between the Number of Wet Nights and the Level of Morning Urinary Osmolality Level With a High Dose of DDAVP ODT (Oral Disintegrating Tablets) for the Treatment of Mono-Symptomatic Nocturnal Enuresis (MNE). Hirokazu Ikeda, Tsuneki Watanebe, Keichi Isayama. Publication 2962.842


844* Do Preterm Infants With in Utero Exposure To SSRIs or Venlafaxine Require More Respiratory Support? T. Ashleigh N. N. Hogue, Mary Temple-Cooper, Qamar U. Zaman, Melissa Lagzdins, Jeffery Schwersenski, Firas A. Saker. Publication 2962.844

845 Taking into Account Postconceptional Age (PCA) and Gender Improves Doxapram (Dox) Pharmacokinetics and Efficacy in Premature Infants. Emily Greze, Melinda Benard, Isabelle Hamon, Charlotte Casper, Marie-Jeanne Boutroy, Jean-Michel Hascoet. Publication 2962.845


2963 Laboratory / Animal


848 Effects of Caffeine and/or Ketorolac on Notch Signaling in Human Retinal Endothelial Cells Exposed To Hypoxia With Intermittent Hypoxia. Jacob V. Aranda, Charles L. Cai, Vadim Bronshtein, Taimur Ahmad, Gloria B. Valencia, Douglas R. Lazzaro, Kay D. Beharry. Publication 2963.848

849 Effect of Concurrent Administration of Clonidine With Hypothermia on Apoptosis After Hypoxia-Ishemia in the Newborn Piglet Brain. Shadi Malaeb, Jane McGowan, Juan Ballesteros, Panagiota Kratimenos, Maria Delivoria-Papadopoulos. Publication 2963.849

850* Mechanism of Hypoxia-Induced Expression of Ca*+/CaM-Dependent Protein Kinase-Kinase in Neuronal Nuclei of the Cerebral Cortex of Newborn Piglets. Fredrick Dapaah-Siakwan, Wassem Akhter, Juan Ballesteros, Qazi M. Ashraf, Maria Delivoria-Papadopoulos. Publication 2963.850

851* Effect of Src Kinase Inhibition on Interleukin-1 Beta (IL-1B) Production Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Dimitrios Angelis, Shadi Malaeb, Tania D. Fontanez-Nieves, Shruti Fadia, Maria Delivoria-Papadopoulos. Publication 2963.851


853 Long Term Effect of Src Kinase Inhibition on Caspase-2 Expression Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Qazi M. Ashraf, Nicholas Obiri, Juan Ballesteros, Waseem Akhter, Maria Delivoria-Papadopoulos. Publication 2963.853

854* Effect of Src Kinase Inhibition on Long Term Src Kinase Activity Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Lynn E. Zeits, Dimitrios Angelis, Andy Wang, Rosic Flite, Maria Delivoria-Papadopoulos. Publication 2963.854

855* Long Term Effect of Src Kinase Inhibition on Expression of Protein Tyrosine Phosphatase 1B Following Hypoxia in the Cerebral Cortex of Newborn Piglets. Teresa J. Witcher, Waseem Akhter, Panagiota Kalogeroudis, Qazi M. Ashraf, Maria Delivoria-Papadopoulos. Publication 2963.855
Monday, May 5

7:00-8:00 am

APA Regional Breakfast
Pan Pacific Vancouver

3020 Region 1 Gazebo I
3022 Region 11 Oceanview 6
3024 Region 11 Oceanview 8
3026 Region 1V Oceanview 1
3028 Region IX and X Oceanview 7
3030 Region V Oceanview 5
3032 Region VI Oceanview 2
3034 Region VII Oceanview 3
3036 Region VIII Oceanview 4

7:00 am – 8:00 am

3040A D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes
PES Workshop
Vancouver Convention Centre - West 301-305

Co-Leaders: Maria G. Vogiatzi and Philip Scott Zeitler

This workshop will present a synopsis of the PES Drugs and Therapeutics Committee’s work in two important clinical areas: Use of hemoglobin A1c test in the diagnosis of type 2 diabetes in children and; vitamin D toxicity in children.

7:00 am – 8:00 am

3050A Pediatric Council 2014 Legislative Breakfast: Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding
PPC Hot Topic
Vancouver Convention Centre - West 111-112

Chairs: Richard Lee Bucciarelli, University of Florida, Gainesville, FL and Scott Denne, Indiana University, Indianapolis, IN

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and from non-profit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

7:00 Introduction
Scott Denne, MD, FAAP, Professor of Pediatrics, Indiana University, Indianapolis, IN

7:05 Pediatric Innovation: Partners in Progress
Charles Thompson, Pfizer Inc., New York, NY
Ron Portman, Bristol-Myers Squibb, New York, NY

7:25 Foundation Funding – A Viable Option
Shale Wong, Robert Wood Johnson Foundation, Denver, CO

7:35 Discussion
The Society for Pediatric Research has established a national coaching program for junior investigators who have embarked on a career in pediatric research. The purpose of the program is to connect junior faculty members conducting child and adolescent health research to successful investigators in the appropriate research field, thereby increasing opportunities for mentoring, networking, collaboration, and funding.

### 2014 Recipients and Coaches

- Nicole Brown, Montefiore – Desmond Runyan, UC Denver
- Pui-Ying Ir Ho Tan, University of Minnesota – Carrie Byington, University of Utah
- Vishal Kapadia, UT Southwestern – Ola Didrik Saugstad, Oslo University Hospital, Norway
- Sarah Landsman, University of Florida – Bonnie Halpern-Felsher, UCSF
- Danielle Rios, Texas Childrens – Istvan Seri, USC
- Jean Welch, Emory – Shari Barkin, Vanderbilt

### 2014 Recipients and Coaches

**3052 SPR Young Investigator Coaching Program**

**SPR Committee**

**Vancouver Convention Centre – West 219**

Co-Chair: Jake Kushn & Bonnie Halpern-Felsher

The Society for Pediatric Research has established a national coaching program for junior investigators who have embarked on a career in pediatric research. The purpose of the program is to connect junior faculty members conducting child and adolescent health research to successful investigators in the appropriate research field, thereby increasing opportunities for mentoring, networking, collaboration, and funding.

### Target Audience:

Clinicians, academicians and health services researchers involved to quality improvement and health system transformation.

### Objectives:

- Identify useful measures of structure, process and outcome that can drive change in child health practice
- Explain how child health measures can be used to drive change within practices, networks or statewide systems
- Describe gaps in child health measurement on which measure developers should focus their efforts

### Chairs:

- Charles J. Homer, National Initiative for Children’s Healthcare Quality, Boston, MA
- Mark A. Schuster, Boston Children’s Hospital, Boston, MA

CHIPRA, the Affordable Care Act and the Alternative Quality Contract are all based on the assumption that we can use measurement to drive high-quality, team-based care, focused on the needs of the child and family, linking family, community and subspecialty services. Children are not just little adults, however, and measuring the structure, process and outcome of practice transformation in pediatric practice must respect differences in development, dependency, demography, disease epidemiology and dollars (the 5 Ds). This session will explore ways in which we can measure performance and outcome in child health practice, focusing on the use measurement to drive change. In addition, we will discuss challenges unique to child health measures and identify measurement gaps that are ripe for measure development.

<table>
<thead>
<tr>
<th>8:00</th>
<th>Pediatric Practice and Child Health Systems in the Age of Health Reform: Why Measurement Matters</th>
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<td>Charles J. Homer, National Initiative for Children’s Healthcare Quality, Boston, MA</td>
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| 8:05 | Mind the Gap: Child Health Measures Needed to Drive Change |
|      | Mark A. Schuster, Boston Children’s Hospital, Boston, MA |
One of the most feared disorders in neonatal medicine is necrotizing enterocolitis (NEC). The interaction of nutrition and NEC is a major dilemma for the neonatologist. Despite sound experimental and clinical evidence showing that parenteral nutrition and failure to provide enteral nutrients reduce gut development, enteral feeding remains implicated in the pathophysiology of NEC. The causes of NEC are multifactorial, and the relationship with enteral feeding remains one of association. Despite evidence that human milk reduces the risk of NEC, an optimal approach to enteral feeding that eliminates NEC has not been developed. The goal of this Session is to review enteral feeding practices and their relationship to the risk of NEC and suggest guidelines for optimizing enteral feeding that promote gut development and health, reduce gut injuries, and reduce the risk of NEC.

8:00 Why Do We Still Link Enteral Feeding to NEC in Preterm Infants and What Can We Do to Resolve the Problem?
Frank R. Greer, University of Wisconsin and Meriter Hospital, Madison, WI

8:05 A Key to Preventing NEC during Enteral Feeding Is Optimization of the Gut Microbiome, Which Requires Changes in Medical and Nutritional Practices
Josef Neu, University of Florida, Gainesville, FL

8:35 Prevention of NEC with Mother’s Own Milk Feeding, Including Alternative Strategies When Mother’s Milk Is Limited. Rich Schanler
Richard J. Schanler, Cohen Children’s Medical Center of New York, New Hyde Park, NY

9:05 Different Feedings and Feeding Practices Have Different Impacts on the Development of NEC; Which Is Optimal and What Are the Risks as Well as Benefits?
Camilla Rivera Martin, BIDMC, Boston, MA

9:35 NEC in Preterm Infants Is Related to Enteral Feeding, but the Mechanisms Remain Uncertain and Have Changed over Time
Michael S. Caplan, North Shore University Health System, Evanston, IL

Jr: William W. Hay, University of Colorado School of Medicine, Aurora, CO, and Frank R. Greer, University of Wisconsin and Meriter Hospital, Madison, WI

Rising healthcare costs have led to increasing constraints on governments, payers and providers in delivering health care services. There is tremendous pressure to deliver better quality care, while reducing costs, thus causing hospitals and health systems to reexamine their current practice methods in order to think more explicitly about efficiency and waste. This symposium brings together neonatology experts in the fields of clinical trials, quality improvement, health policy and economics to discuss how two important drivers of clinical practice, clinical epidemiological evidence and quality improvement, can help us best to provide care given current fiscal constraints. These approaches are emphasized in the recent American Academy of Pediatrics Section on Perinatal Pediatrics “Top Five” list of tests and procedures that have an insufficient evidence base and use resources unnecessarily.

8:00 Introduction
Dmitry Dukhovny, Beth Israel Deaconess Medical Center, Boston, MA

8:10 What Is Value in Medicine?
John A.F. Zupancic, Harvard Medical School, Boston, MA

8:35 Top 5 Wasteful Tests/Procedures in Neonatology
DeWayne M. Pursley, Beth Israel Deaconess Medical Center, Boston, MA

9:00 Clinical Trials: How Do Clinical Trials Address Efficiency?
Haresh Murli Kirpalani, Children’s Hospital of Philadelphia, Philadelphia, PA

9:25 How Do Quality Improvement Efforts Inform Efficiency?
Jeffrey D. Horbar, Vermont Oxford Network, Burlington, VT

9:50 Discussion

Kawasaki Disease: New Paradigms

Target Audience: General pediatricians, infectious disease, immunology, and cardiology specialists.

Objectives:
- To gain new knowledge of the pathogenesis of Kawasaki disease
- To appreciate the recent progress in host genetic factors of Kawasaki disease
- To understand new data regarding external factors influencing Kawasaki Disease

Chairs: Michael A. Portman, Seattle Children’s Research Institute, Seattle, WA, and Toshiro Hara, Graduate School of Medical Sciences, Kyushu University, Fukuoka City, Japan

Kawasaki Disease is an acute vasculitis with predilection for the coronary arteries. Despite treatment with intravenous gamma globulin, KD can leave coronary aneurysms and stenoses and has emerged as the most common acquired heart disease in children. These abnormalities can cause lifelong disability and death. The epidemiology for this syndrome is ever changing, and may provide clues to determining the cause. Recent population based studies in KD have been augmented in recent years by genetics, histopathological investigations, and even atmospheric evaluations. These investigations will lead to new diagnostic and treatment modalities. The faculty for this symposium will outline these investigations which have created new paradigms for our understanding, diagnosis, and treatment of this disease.

8:00 Genome Wide Association Studies and Kawasaki Disease
Yoshihiro Onouchi, Chiba University, Chiba, Japan

8:20 The Etiology of Kawasaki Disease: A Paradigm Shift
Toshiro Hara, Graduate School of Medical Sciences, Kyushu University, Fukuoka City, Japan

8:40 Clinical and Histopathological Correlates in Kawasaki Disease
Jan M. Orenstein, George Washington University, Washington, DC

9:00 Wind, Climate, and Kawasaki Disease
Jane C. Burns, UCSD School of Medicine, La Jolla, CA

9:20 Diet, Immune Function, and Kawasaki Disease
Jeffrey D. Horbar, Vermont Oxford Network, Burlington, VT

9:40 Discussion

Jointly sponsored by the Academic Pediatric Association, American Pediatric Society and the Pediatric Academic Societies
8:00am-10:00am

**3125A March of Dimes Basil O’Connor Symposium**

**Platform**

*Vancouver Convention Centre – West 214*

Target Audience: Mature scientists and young investigators whose research is focused on prematurity, complications of pre-term birth, developmental biology, or genetics.

Objectives:
- Will hear 8 funded research presentations from Basil O’Connor awardees as examples of MOD funding interests
- Will see how genetics can be used to predict outcomes
- Will benefit from the integration of basic and translational research presentations

Chairs: Margaret K. Hostetter, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, and Joe Leigh Simpson, March of Dimes, White Plains, NY

This symposium, now proposed for the third time, features young investigators who are concluding their second year of support on Basil O’Connor Awards from the March of Dimes. Both MDs and PhDs are represented. Presented research covers a range of topics that are areas of focus for the March of Dimes: pregnancy and prematurity, complications of preterm birth, developmental biology, genetics, etc. Members of the PAS Program Committee have attended the past two symposia and have been very complimentary regarding the breadth and excellent of the science.

8:00 *Human Rhinovirus Is the New Predominant Virus Detected in Severe Respiratory Disease of Premature Infants.* E. Kathryn Miller, Jodell Linder-Jackson, Romina Libster, Lucrecia Bossi, Gabriela Bauer, Tatayana E. Plachco, Fernando P. Polack. Published 3180.1

8:20 *Estrogen Signalling in Placental Angiogenesis.* Ana C. Zovein. Published 3180.2

8:40 *Mechanism for Clonal Enrichment of Congenital Disease Mutations in Adult Spermatogonial Stem Cells.* Laura A. Martin, Nicholas Assif, Marco Scandell. Published 3180.3

9:00 *A Combination of Ci and tran Ret Signaling Controls Development of Rapidly Adapting Mechanoreceptors.* Michael Fleming, Wenzin Luo. Published 3180.4

9:20 *Development of a Therapeutic Strategy for Lysosomal Neurodegenerative Disorders of Childhood.* Michela Palmieri, Marco Sardiello. Published 3180.5

9:40 *Human Fibrodyplasia Ossificans Progressiva iPS Cells Show Increased Mineralization Activity.* Emilie Barruet, Christopher Schlieve, Hannah Kim, Ashley Urrutia, Mark White, Christina Theodoris, Marcela Morales, Wint Lwin, Deepak Srivastava, Edward C. Hsiao. Published 3180.6

8:00am-10:00am

**3135 Recommendations from the RWJF Commission to Build Healthier America: The Role for Pediatricians**

**PAS Special Symposium**

*Vancouver Convention Centre – East Ballroom B*

Target Audience: Physicians, health professionals, advocates, faculty and trainees interested in population health, the social determinants and child health disparities.

Objectives:
- Describe the recommendations made by the RWJF Commission to Build a Healthier America
- Provide the evidence and policy rationale for each recommendation
- Discuss action steps to address the recommendations and the role for pediatrics and pediatricians in advancing the health of all Americans

Chair: Douglas Jutte, UC Berkeley, School of Public Health, Berkeley, CA

The Robert Wood Johnson Foundation convened a “Commission to Build a Healthier America” to provide strategies to improve the nation’s health. Commissioners called for collaborative action by leaders across sectors: health and medicine, community and economic development, education, government and others. To break the vicious cycle of poor health across generations, they emphasized that we must provide support for our youngest children. Parental support and involvement is critical. Achieving better health for all Americans, especially those most vulnerable, requires strategies that address influential social factors including education, jobs and income, and community opportunities.

Summary of Commission Recommendations:
1. Make investing in America’s youngest children a high priority.
2. Fundamentally change how we revitalize neighborhoods, fully integrating health into community development.
3. Broaden the mindset, mission, and incentives for health professionals and healthcare institutions from treating illness to helping people lead healthy lives.


8:10 *Overview of the Commission to Build a Healthier America* David Williams

8:20 *Prioritizing Early Childhood* Marla Salmon, University of Washington, Seattle, WA
8:40 Integrating Health and Community Development  
David Erickson, Federal Reserve Bank of San Francisco, San Francisco, CA

9:00 Bridging Health & Healthcare  
Mark McClellan, Brookings Institution, Washington, DC

9:20 A Call to Action for Pediatrics and Pediatricians: Discussion of Next Steps  
James M. Perrin, Harvard Medical School, Boston, MA

8:00am-10:00am

3140 Stigma, Ostracism and Bullying: Dangers, Prevention and Interventions  
PAS Topic Symposium  
Vancouver Convention Centre - East 8

Target Audience: Residents, Fellows, General Pediatrics Faculty, Specialists in Endocrinology, Adolescent Medicine, Developmental-Behavioral Pediatrics, School Health, Obesity.

Objectives:  
- Define concepts of stigma, ostracism, and bullying and their manifestations  
- List three deleterious outcomes of stigmatization  
- Describe three components of successful bullying prevention programs

Chair: Ellen C. Perrin, Tufts Medical Center, Boston, MA

Stigma is defined as “an attribute that is discredited” and results in ostracism and bullying. Its potential harm to children has been noted by child health and mental health professionals, teachers, parents, and governmental agencies because of its association with threats to self esteem, depression, anxiety disorders, aggressive behavior, and impaired quality of life. Stigma marks certain individuals as less worthy than others, marginalizes them, and impedes access to needed services. Concern and research addresses stigma associated with, e.g., mental health conditions and services, religion, physical disabilities, learning disabilities, gender dysphoria, obesity, race, language ability, and sexual orientation. We will present and discuss evidence of deleterious effects of stigma on children and families, using data about specific stigmatized conditions. The symposium will conclude with a summary of recent attempts to overcome stigma and bullying.

8:00 Definitions, Demonstrations, and Dangers of Stigma  
Ellen C. Perrin, Tufts Medical Center, Boston, MA

8:15 Discrimination and Stigmatization of Children of Color  
Adiasha Spinks-Franklin, Texas Children’s Hospital/ Baylor College of Medicine, Houston, TX

8:35 Discrimination and Stigmatization of Children Who Are Overweight or Obese  
Eliana M. Perrin, University of North Carolina at Chapel Hill, Chapel Hill, NC

8:55 Discrimination and Stigmatization of Children with Developmental-Behavioral Disabilities  
Conway F. Saylor, The Citadel, Charleston, SC

9:15 Discrimination and Stigmatization of Children with Non-Typical Gender Identity or Sexual Orientation  
Mark L. Hatzenbuehler, Columbia University, New York, NY

9:35 Possibilities and Programs to Prevent Stigma, Ostracism, and Bullying  
Joseph L. Wright, Children’s National Medical Center, Washington, DC

9:55 Discussion  
Jointly sponsored by the Academic Pediatric Association, Society for Developmental & Behavioral Pediatrics, Society for Pediatric Research and the Pediatric Academic Societies

8:00am-10:00am

3152 Top-Down ‘Big’ Science and Investigator-Initiated ‘Small’ Science: Opportunities, Controversies and Implications for Pediatric Research  
PAS Topic Symposium  
Vancouver Convention Centre - West 109

Target Audience: The target audience is current and aspiring clinical, basic science, translational pediatric researchers.

Objectives:  
- Understand the controversies of top-down driven ‘big’ science vs. investigator-initiated ‘small’ science in driving pediatric research  
- Provide insights into funding options and challenges for ‘big’ vs. ‘small’ science through government, industry, institutes and nonprofit entities  
- Provide career development guidance for researchers regarding ‘big’ and ‘small’ science options, how to proceed and succeed in research

Chairs: Debra L. Weiner, Harvard University, Boston, MA and John Schreiber, Floating Hospital for Children, Tufts Medical Center, Boston, MA

This era of exciting and unprecedented scientific knowledge and opportunities for scientific discovery offers the potential to dramatically advance the health of children and the care of ill and injured pediatric patients. High research costs and diminishing funding, however, impose increasing challenges that have intensified the controversial discussion regarding the role of top-down driven ‘big’ science vs. investigator-initiated ‘small’ science to advance research
findings. This symposium will explore and debate the opportunities and challenges of the ‘big’ science vs. ‘small’ science approaches in the context of the current pediatric research agenda; debate the priorities, programs, and funding potential of government and private entities and the potential implications for pediatric research investigators in an era of constrained funding. The session will combine presentations, discussion, debate and questions.

8:10 ‘Big’ and ‘Small’ Science: Opportunities and the SPR
Steven P. Miller, The Hospital for Sick Children, Toronto, ON, Canada

8:25 The Case for ‘Big’ and ‘Small’ Science
TBD

8:50 Industry Funding and Collaboration: Goals, Opportunities and Relationships with Academia for ‘Big’ and ‘Small’ Science Research
Samuel D. Maldonado, Janssen Pharmaceuticals, Raritan, NJ

9:15 Surviving Sequestration: Embracing Your Inner Entrepreneur
Diana W. Bianchi, Floating Hospital for Children @ Tufts Medical Center, Boston, MA

9:40 Panel Discussion: Topics for Panelists Will Include Appropriate Balance of ‘Big’ and ‘Small’ Science, Role of Federally Funded Agencies, Institutes, Industry, and Nonprofits; Implications for the Future of Pediatric Career Scientists and Pediatric Research, SPR Role and Role of SPR Members in Research Advocacy
Debra L. Weiner, Harvard University, Boston, MA

9:55 Summary and Conclusions
Debra L. Weiner, Harvard University, Boston, MA and John R. Schreiber, Tufts Univ School of Med and the Floating Hospital for Children, Boston, MA

Jointly sponsored by the Consortium Child Health Oversight Committee and the Pediatric Academic Societies

8:00am-10:00am

3155 What’s Hot in Pediatric Research: Highlights of the Annual Review Issue
PAS State of the Art Plenary
Vancouver Convention Centre - West 212-213

Target Audience: Scientist and clinicians involved in the investigation, diagnosis and treatment of pediatric diseases. The appeal of this symposium is that the basic mechanisms addressed apply or can be applied to a broad range of diseases.

Objectives:
- Understand the application of cutting edge research strategies to pediatric disease
- Comprehend novel basic mechanisms of cellular, molecular and developmental biology and their application to pediatric disease
- Appreciate how identification of basic biological mechanisms provide insight into novel therapeutic development for pediatric disease

Chairs: Sherin U. Devaskar, Mattel Children's Hospital UCLA, Los Angeles, CA, and Ofer Levy, Boston Children's Hospital, Boston, MA

As the Journal of the IPRF, APS-SPR, and ESPR, Pediatric Research is a CA, and Ofer Levy, Boston Children's Hospital, Boston, MA

Appreciate how identification of basic biological mechanisms provide insight into novel therapeutic development for pediatric disease

Debra L. Weiner, Harvard University, Boston, MA and

John R. Schreiber, Tufts Univ School of Med and the Floating Hospital for Children, Boston, MA

Jointly sponsored by the Consortium Child Health Oversight Committee and the Pediatric Academic Societies

8:00am-10:00am

3160 Clinical Bioethics
Platform
Vancouver Convention Centre - Room West 110

Chairs: David Boyle and Brian Carter

8:00 Impact of Assisted Reproductive Technologies and Artificial Insemination on Maternity Costs in California 2009-2011.
T. Allen Merritt, Mitchell R. Goldstein, Andrea Rodriguez, Ricardo Peverini. Publication 3160.1

8:15 IRB Variability and Parental Acceptance of Passive Consent in a Multicenter Pediatric Study.

8:30 Venus and Mars: Mothers and Fathers View of Disability and End-of-Life Decisions. Annie Janvier, Barbara Farlow. Publication 3160.3

8:45 Parental Suffering and Children's Best Interests in End-of-Life Care for Newborns. Dick Willems, Eric van Wijlick, Eduard Verhagen. Publication 3160.4

9:00 Evolution of Ethical Decision-Making Policies in European Maternity and Neonatal Units from 2003 To 2012: Result from the EPICE Project. Mercedes Bonet, Jennifer Zeitlin. Publication 3160.5


9:30 Prenatal and Postnatal Choices Following a Diagnosis of Hypoplastic Left Heart Syndrome. Brian Carter, Tara Swanson, Jennifer Linebarger, Lori Erickson, Tonja Spencer. Publication 3160.7

9:45 Advocating a Trial of Therapy Is the Most Accurate Way To Counsel Parents of Infants Born at the Border of Viability. Bree Andrews, Patrick Myers, Joanne Lagatta, William Meadow. Publication 3160.8

8:00am - 10:00am

3165 General Pediatrics: Medical Homes
Platform
Vancouver Convention Centre - Room East 11

Chairs: Matilde Irigoyen and Eduardo Ochoa

8:00 Do Care Coordination and Meaningful Use Improve the Transition of Youth With Special Health Care Needs: the Results of a Periodic Survey. Niraj Sharma, Kitty O’Hare, Karen G. O’Connor, Umbereen S. Nehal, Megumi J. Okumura. Publication 3165.1

8:15 Implementation of a Primary Care Re-Design Preventive Service Bundle in Academic Pediatric Primary Care Centers. Zeina M. Samaan, John F. Morehous, Courtney M. Brown, Mona E. Mansour. Publication 3165.2
8:30 Relationship between Medical Home at Hospital Admission and Readmission after Discharge. Ryan J. Collier, Thomas S. Klitzner, Adrianna Saenz, Carlos F. Lerner, Bergen Nelson, Sungmee Park, Paul J. Chung. Publication 3165.3

8:45 Family-Reported Health Service Needs of Children With Medical Complexity. Dennis Kao, Melinda Morin, Laurie Glader, Jay Berry, Sarah Johansingmies, John Gordon. Publication 3165.4

9:00 Asthma Population Management: An Innovative Model for Chronic Disease Management. Faye Holder-Niles, Linda Haynes, Madeline Beauregard, Helen D’Couto, Rachael Grant, Sheila Petrosino, Joanne Cox. Publication 3165.5


9:45 Associations between Medical Homeness and Health Care Utilization among Publicly Insured Children. Anna Christensen, Joseph Zickafoose, Brenda Natzke, Stacey McMorrow, Henry Ieys. Publication 3165.8

8:00am-10:00am

3170 Hospitalist Medicine II
Platform
Vancouver Convention Centre - Room East Ballroom A

Chairs: Marta King and Tamara Simon

8:00 High Flow Nasal Cannula for Bronchiolitis Outside the Intensive Care Unit. Jaime Pittenger, Jeffrey Bennett, Elizabeth Seelbach, Philip Westgate, Erich Maul. Publication 3170.1


8:30 Clinicians No Better Than Chance at Predicting Response To Albuterol in Children With Bronchiolitis. Christopher L. Carroll, Kathleen Sala, Craig M. Schramm. Publication 3170.3


9:00* Differences in Blood Culture Time To Positivity by Causative Organism and Culture Source. Laura Brower, Karen Jerardi, Angela Statille, Jason Weiser, Joel Mortensen, Samir Shah. Publication 3170.5

9:15 Management of Bacterial Urinary Tract Infections in Infants Less Than 3 Months of Age. Alan R. Schroeder, Mark Shen, Heidi Roman, Pearl Chang, Sai Medi, Tara Greenhow. Publication 3170.6

9:30 Diagnostic Yield & Test Performance Measures of Renal Ultrasound for Infants < 2 Months of Age With Febrile Urinary Tract Infection. Sowdhamini Wallace, Nadia Mahmoud, Jennifer Williams, Andrea Cruz, Charles Macias, Ricardo Quinonez, Robert Orth. Publication 3170.7

9:45* Treatment of Urinary Tract Infections in Neonates <60 Days Old. Mark S. Needles, Jason G. Newland, Brian R. Lee. Publication 3170.8

8:00am - 10:00am

3175 Hypertension Research in 2014
Platform
Vancouver Convention Centre - Room West 211

Chairs: Rae-Ellen Kavey and Amy Wilson

ASPN Trainee Research Award
Carmen Halabi

8:00* Effect of Chronic Pharmacologic Therapy on Vascular Stiffness and Hypertension in Elastic Insufficiency. Carmen M. Halabi, Robert P. Mecham, Beth A. Kozel. Publication 3175.1


8:45* Blood Pressure Variability in Children With Primary vs. Secondary Hypertension. Daniel Leisman, Nataliya Chorny, Rachel Frank, Lullute Infante, Christine B. Sethna. Publication 3175.4

9:00 Can Normal Casual Blood Pressure Predict Normal ABPM? Mark Mitsnifes, Chris Pierce, Joseph Flynn, Joshua Samuels, Janis Dionne, Susan Furth, Bradley Warady. Publication 3175.5

9:15 Ambulatory BP Monitoring Improves Medication Management in Children With Hypertension. Karen Redwine, Mohammad Ilyas, Laura James, Christopher Swearingen, Thomas Wells. Publication 3175.6

9:30* Exercise Blood Pressure in Pediatric Hypertension. David M. Brennen, Rae-Ellen W. Kavey, Marc B. Lande. Publication 3175.7

9:45 Cystatin C Predicts Abnormal Systolic and Diastolic Function Over Time in Children With Chronic Kidney Disease (CKD). Tammy Brady, Kelly McDermott, Michael Schneider, Christopher Cox, Bradley Warady, Susan Furth, Mark Mitsnifes. Publication 3175.8

8:00am - 10:00am

3185 Neonatal Host Defense
Platform
Vancouver Convention Centre - Room West 223-224

Chairs: Joseph M. Bliss, Alpert Medical School of Brown University, Women & Infants Hospital, Providence, RI and Jörn-Hendrik Weitkamp, Vanderbilt University & Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN

8:00* Passive Immunization Against Group B Strepococcus Promotes Clearance from the Female Genital Tract. Jackie A. Baker, Tara M. Randis, Emma L. Lewis, Leah Byland, Adam J. Ratner. Publication 3185.1


8:45* Group B Streptococcus-Stimulated Neonatal Neutrophils Promote Inflammatory Programming of CD4 T Cells and T Regulatory Cells. Jianguo Lin, Stephen J. Barenkamp, Ryan P. Weisert, Larisa Loresnet, Guanyong Peng, Joyce M. Koenig. Publication 3185.4

9:00* Human Umbilical Cord Blood Derived Mesenchymal Stem Cells Transplantation Significantly Attenuates Brain Injury Induced by Escherichia coli Meningitis in the Newborn Rats. Hye Sun Kim, So Yoon Ahn, Ye Rim Park, Dong Kyung Sung, Soon Young Nam, Se In Sung, Hye Soo Yoo, Yun Sil Chang, Won Il Oh, Won Soon Park. Publication 3185.5


9:45* Neonatal NET-Inhibitory Factors Improve Survival in Murine Models of Sepsis. Jared A. Wallace, Mark J. Cody, Robert M. Campbell, Adriana Viera-de-Abreu, Claudia V. Araujo, Christian C. Yost. Publication 3185.8

8:00am–10:00am 3190 Nutrition, Brain Growth & Neurodevelopment Platform

Vancouver Convention Centre - Room West 220

Chairs: Jonathan Mintzer and Paul Rozance

8:00 Fetal-Neonatal Iron Deficiency Alters the Methylation of the Adult Rat Hippocampus. Phu V. Tran, Rebecca A. Simmons, Michael K. Georgieff. Publication 3190.1

8:15* Impact of Aggressive Parenteral Protein Nutrition (PPN) on Brain Structural Growth in Extremely Low Birth Weight Infants (ELBW). Vaishali Singh, Mohammed Najjar, Susheel Muradilhan, Fabien G. Eyal, Michael M. Zayek. Publication 3190.2


8:45 Perinatal Iron Deficiency and Its Treatment Alters Glucose Transporter 1 Expression in the Rodent Hippocampus in Adulthood. Raghavendra Rao, Kathleen Ennis, Barbara Felt, Michael Georgieff. Publication 3190.4

9:00 Fetal Brain Sparing in IUGR and Neurodevelopment at 3 Years. Agnese M. De Carl, Luca A. Ramenghi, Monica Fumagalli, Anna Martinelli, Odorado Picciolini, Ida Sirigiovanni, Sofia Passera, Sara Uccella, Irene Cetin, Fabio Mosca. Publication 3190.5


9:30 Neurodevelopmental Outcome at School Age of Low-Risk Neonates With and Without Hypoglycemia. Mikhail Raisio, Kai Eriksson, Kati Rantanen, Heidi Koponen, Sanna Suomalainen, Tiina Luukkaala, Ouli K.T. Tammela. Publication 3190.7

9:45* Degree of Anemia Impacts Hippocampal mTOR Signaling in Neonatal Mice. Tara G. Zamora, Diana Wallin, Katte Ennis, Ariel Stein, Raghu Rao, Michael Georgieff. Publication 3190.8

8:30am-11:30am 3220 A Competency-Based Approach to Delivering, Teaching, and Evaluating Shared Decision Making in Pediatrics PAS Workshop Vancouver Convention Centre - East 7

Target Audience: students, residents, fellows, and faculty interested in delivering, teaching, and evaluating shared decision making in pediatrics.

Objectives:
- Participants will understand the basic principles of shared decision making
- Participants will recognize ways in which health care professionals may bias their patients’ decision making
- Participants will report greater confidence in their ability to a) engage in a shared decision making process, b) teach learners how to engage in shared decision making, and c) evaluate shared decision making using a validated checklist

Leader: William Brinkman, Co-Leaders: Alex Fiks, Margaret Lawson

Shared decision making (SDM) has emerged as a best practice when there are medically reasonable options from which to choose. Unfortunately, many pediatricians lack requisite skills and training for SDM which can lead to misdiagnosis of patient/family preferences, unwarranted practice variation, and can threaten patient safety. Decision aids are practical evidence-based tools, which facilitate SDM by augmenting physician communication with pictures and words that provide information on the benefits and harms of options and help people clarify and communicate their personal values so that a more informed and personally congruent decision can be made. This workshop will cover key concepts of SDM including the role of physician bias and preference misdiagnosis. Participants will use simulated patient encounters to practice 1) engaging in SDM with different types of decision aids and 2) evaluating and providing feedback on SDM using a direct observation checklist.

8:30am-11:30am 3222 Clinical Breastfeeding Medicine for the Busy Academic Pediatrician PAS Workshop Vancouver Convention Centre - East 13

Target Audience: Any pediatrician or pediatric trainee who cares for breastfeeding babies or their parents.

Objectives:
- Formulate evidence-based solutions for common breastfeeding medicine issues in pediatric hospital medicine practice
- Differentiate medically necessary supplementation from elective formula use; examine methods for non-bottle supplementation
- Experiment with information resources for management of breastfeeding medicine problems and medications in lactation

Leader: Alison Holmes, Co-Leaders: Tara Williams, Bonny Whale, Kim Hamlin

It’s not news that breastfeeding is important for maternal and child health, but we are not always prepared for certain clinical breastfeeding issues. When your local lactation consultant says she thinks the cause of failure to thrive in the breastfed 1 month old you are caring for is tongue-tie, should you believe her? And should you release the tongue with a frenotomy? What do you tell a breastfeeding mother when she wants to know which anti-depressant will affect her baby least? What if she is taking an array of medications for another serious medical condition? For a long time, lactation was generally considered an issue to be managed primarily by nursing staff. It is clear now that there is a significant amount of breastfeeding medicine in pediatric medicine; neonatal hypoglycemia, hyperbilirubinemia, ankyloglossia, maternal medications, poor weight gain of the breastfed infant are just the beginning. In this interactive workshop we will work through numerous cases, search reliable medication databases, work hands on with supplementation aids and clip a lingual frenulum.
3224  **Direct Observation, Competency-Based Assessment and Learner-Centered Feedback: Making the OSCE Work for You**  
PAS Workshop  
Vancouver Convention Centre - East 9

**Target Audience:** Residents, fellows and senior, mid-level and junior faculty interested in utilizing simulation and direct observation to assess the clinical competence of residents and students.

**Objectives:**
- Design an OSCE to accomplish competency-base assessment of student and resident clinical, interpersonal and communication skills and professionalism is a worthwhile strategy to accomplish LCME and ACGME mandates for competency-based assessments by direct observation. Although implementing an OSCE is labor and resource intensive, it can be effectively used throughout undergraduate and graduate medical education to assess a range of competencies essential to successful patient encounters. The OSCE, including pediatric simulated patients, has been used for more than 20 years at Rutgers-New Jersey Medical School as a component of student and resident assessment. Through small and large group sessions, participants will learn to design an OSCE, construct an encounter, recruit and train simulated patients, predict common pitfalls in implementation, overcome barriers and provide written and videotaped learner-centered feedback. Copies of OSCE cases utilized by workshop leaders will be provided to all participants.

**Leader:** Christin Traba, Co-Leaders: Susan Mautone, Sophia Chen

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3226  **Effective, Efficient and Innovative Medical Student and Resident Teaching: Who Says It Can’t Be Done?**  
PAS Workshop  
Vancouver Convention Centre - West 121/122

**Target Audience:** Faculty, fellows, and residents interested in improving their time-constrained teaching skills.

**Objectives:**
- Develop a repertoire of creative, effective, and efficient teaching techniques  
- Recognize the importance of orientation in setting the teaching and learning agenda  
- Understand differences between feedback and evaluation

**Leader:** Lewis First

With increasing pressures to treat patients as efficiently as possible, teaching of medical students and residents has become more of a burden or even an afterthought and less of a major priority in the clinical setting. In addition, the introduction of the electronic health record (EHR) has introduced added complexity in trying to teach while also staying focused on the patient and not the screen interface. Effective, efficient, and innovative teaching strategies are needed. This workshop will provide attendees with such strategies to aid in the recruitment, faculty development, and retention of preceptors. Mock teaching codes, videotapes, and other live demonstrations and discussions will be used to highlight the techniques and innovations to be introduced and then used by participants. Content areas will be learner/attendee centered and focus on the importance of a good orientation, feedback, evaluation, and include a variety of creative and efficient teaching techniques that will resolve conflicts with time constraints and EHR demands in the inpatient and outpatient setting while making teaching fun and a true learning experience for all involved.

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3228  **E-Learning 101: Best Practices for Developing and Curating Successful Self-Directed Teaching Modules**  
PAS Workshop  
Vancouver Convention Centre - West 116

**Target Audience:** Medical Educators seeking to expand e-learning and distance learning capabilities.

**Objectives:**
- To correlate design principles, e-learning principles, and learning theory in the context of effective e-learning  
- To design & construct an e-learning module in an interactive web-based flash/html5 format  
- To appraise different e-learning techniques used to teach the same concept

**Leader:** Todd Chang, Co-Leaders: Pavan Zaveri, Shilpa Patel, Priya Gopwani, Cara Doughty, Dewesh Agrawal, Sonny Tat, Mohsen Saidinejad, Nazreen Jamal, David Mathison, Brad Sobolewski

This interactive workshop allows participants to learn strategies and methods for creating narrated, interactive online educational teaching lessons. We will discuss key learning principles from multimedia learning theory that differentiates more effective e-learning from poorly crafted ones. The participants will then work in small groups to design, build, and publish a short self-directed narrated module, viewable on a web browser. The workshop is a mixed teaching-and-doing style and facilitators will assist the build process. After publishing the modules as Flash/HTML5, participants will provide peer review and feedback to one another. The workshop will conclude with a brief discussion of more advanced tools and how to incorporate this educational style into the participants’ home institution. It is recommended that participants have a laptop computer with Microsoft PowerPoint 2007 or newer.

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3230  **Helping Teachers Create Better Healthcare Simulations for Their Learners**  
PAS Workshop  
Vancouver Convention Centre - East 17

**Target Audience:** Senior residents, junior and mid-level faculty, program directors.

**Objectives:**
- Use a blueprint and case template to create effective standardized patient cases  
- Use a case template to create mannequin based simulation cases  
- Develop feedback (debriefing) techniques for the scenarios you have created

**Leader:** Joseph Lopreiato, Co-Leaders: Marc Auerbach, Mary Ottolini, Aisha Davis, Taylor Sawyer

This workshop is designed for faculty who want to create and deliver better simulation scenarios to learners across the continuum. Pediatric simulation methods have been refined over the past several years and many standardized techniques and methods are now available. However, some simulation-minded faculty may not be aware of these techniques. Workshop leaders are experienced educators who have created simulation scenarios for local and national examinations. We will introduce the concept of templates and blueprinting and allow participants to create standardized patient and mannequin cases reviewed by experts to take home and use.
**PAS/ASPR 2014**

**Daily Programming**

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**3232 Keys to Successful Manuscript Writing, Journal Submission, Peer-Review, and Publication**

**PAS Workshop**

Vancouver Convention Centre - East 19

**Target Audience:** Fellows, residents, students, scientists, and clinicians, including faculty at all career levels, who are interested in writing successful manuscripts for publication in appropriate journals.

**Objectives:**
- Identify the keys to good writing, and incorporate the basic principles of scientific writing and formatting to improve the value of your manuscript and increase its potential for acceptance
- Describe the purpose, process, and importance of peer-review, and review the steps involved from submission of a manuscript to publication of an article
- Recognize the role of choosing the appropriate journal for one's manuscript and the importance of reading and adhering to a particular journal's Guide for Authors

**Leader:** Thomas Welch, Co-Leaders: Robert Wilmott, Sarah Long

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**3233 Analyzing Conflicts in Family Medicine**

**PAS Workshop**

Vancouver Convention Centre - East 18

**Target Audience:** Residents, fellows, and faculty members interested in teaching trainees/doing primary care.

**Objectives:**
- Identify situations in which conflict poses serious health risk
- Identify primary care situations where parent choice and clinician recommendations may create conflict
- Practice communication strategies that mitigate conflict by negotiating with parents to promote child health
- Identify situations in which conflict poses serious health risk

**Leader:** Gregory Blaschke, Co-Leaders: Tanvi Hathiwala, Dawn Nolt, Carrie Phillips, Sarah Green, Sara Taub, Eric Crossen, Thomas Valvano, Melissa Weddle

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**3234 Promotion of Positive Parenting during Pediatric Visits**

**PAS Workshop**

Vancouver Convention Centre - East 18

**Target Audience:** student/residents, faculty members interested in teaching trainees/doing primary care.

**Objectives:**
- Describe brief interventions to support the parent-child relationship in pediatric primary care
- Explain how to use video and teachable moments to help trainees hone their parent-child observational skills
- Analyze how research interventions that address common parent-child interaction concerns can be applied in the primary care setting

**Leader:** Nerissa Bauer, Co-Leaders: Alan Mendelsohn, Rahul Briggs, Robert Needlman, Andrew S. Garner and Susan Berger

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**3235 Tackling Social Media in Medical Education**

**PAS Workshop**

Vancouver Convention Centre - East Parkview 1

**Target Audience:** Program directors, assistant program directors, chief residents, fellowship directors, medical school administrators, medical students, residents, fellows.

**Objectives:**
- Learners will identify common pitfalls for learners in the use of social media, and discuss the impact of improper use on attaining professionalism milestones
- Learners will describe expectations of professional behavior on social media platforms, and after reflective evaluation, choose consensus positions
- Learners will apply their consensus positions (in the form of a policy statement) to relevant scenarios illustrating the pitfalls identified above

**Leader:** Michael Holland, Co-Leaders: David Hong, Co-Leaders: Brian Flaherty, Lahia Yemane and Rebecca Blankenburg

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**3236 Social Media and Medical Education Programs: Policy, Professionalism, and Opportunity in the Age of Facebook**

**PAS Workshop**

Vancouver Convention Centre - East Parkview 1

**Target Audience:** Fellows, residents, students, scientists, and clinicians, including faculty at all career levels, who are interested in writing successful manuscripts for publication in appropriate journals.

**Objectives:**
- Analyze how research interventions that address common parent-child interaction concerns can be applied in the primary care setting
- Identify primary care situations where parent choice and clinician recommendations may create conflict
- Practice communication strategies that mitigate conflict by negotiating with parents to promote child health
- Identify situations in which conflict poses serious health risk

**Leader:** Gregory Blaschke, Co-Leaders: Tanvi Hathiwala, Dawn Nolt, Carrie Phillips, Sarah Green, Sara Taub, Eric Crossen, Thomas Valvano, Melissa Weddle

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**Notes:**

*First Author is Trainee (fellow, house officer or student)*

**Website:** www.pas-meeting.org

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Leaders include pediatricians who practice in general pediatrics and adolescent health, newborn and hospitalist medicine, infectious diseases, developmental behavioral and child abuse pediatrics with interests in community pediatrics, ethics, education and advocacy.

8:30am-11:30am

3240  Time Management for Physicians – 101 or 911?
PAS Workshop
Vancouver Convention Centre - West 221

Target Audience: Generic life skill development for all physicians especially trainees, junior and mid faculty.

Objectives:
- To share the essential components of effective time management
- To describe and apply a few specific time management strategies
- To encourage ongoing self-reflection on time management behaviours

Leader: Hema Patel, Co-Leader: Catherine Nolin

Whether you are looking for an introduction or an acute intervention, this workshop is focused on optimizing your time management behaviours. Tried and true principles and strategies of effective time management, well known to the business world, have been adapted to world of medicine in this highly interactive workshop. Practical tips are emphasized for: daily work, meetings, interruptions and procrastination. Bring your agenda/e-calendar! Whether you are looking for an introduction or an acute intervention, this workshop is focused on optimizing your time management behaviours. Tried and true principles and strategies of effective time management, well known to the business world, have been adapted to world of medicine in this highly interactive workshop. Practical tips are emphasized for: daily work, meetings, interruptions and procrastination. Bring your agenda/e-calendar! Whether you are looking for an introduction or an acute intervention, this workshop is focused on optimizing your time management behaviours. Tried and true principles and strategies of effective time management, well known to the business world, have been adapted to world of medicine in this highly interactive workshop. Practical tips are emphasized for: daily work, meetings, interruptions and procrastination. Bring your agenda/e-calendar! Whether you are looking for an introduction or an acute intervention, this workshop is focused on optimizing your time management behaviours. Tried and true principles and strategies of effective time management, well known to the business world, have been adapted to world of medicine in this highly interactive workshop. Practical tips are emphasized for: daily work, meetings, interruptions and procrastination. Bring your agenda/e-calendar!

8:30am-11:30am

3244  Your Educational Scholarly Project:
From Idea to Design to Dissemination
PAS Workshop
Vancouver Convention Centre - West 204

Target Audience: Residents/fellows and faculty who are interested in developing scholarly educational research projects.

Objectives:
- Differentiate the key types of scholarship and standards of excellence in scholarship as they apply to medical education
- Develop a SMART (Specific, Measurable, Achievable, Relevant and Timely) question and specific aims for your scholarly project
- Identify appropriate study designs and outcome variables to address your specific aims

Leader: Jean Petershack, Co-Leaders: Mary E. Rocha, Su-Ting Li, Heather McPhillips, Errika Abramson, Caroline Paul, Patty J. Hicks, Margarita Vasquez, Linda Tewksbury, Meghan Treitz, Janet Fischel, Janet Serwint, Tai M. Lockspeiser and Jennifer Trainor

Faculty at academic medical centers are challenged to develop their educational ideas and innovations into scholarship. This workshop is designed to advance your knowledge and skills in producing quality educational research and scholarship. We will begin with a review of Boyer’s and Glassick’s conceptual frameworks for types of scholarship and standards for assessing scholarship. You will work in facilitated small groups to develop your own scholarly project using an educational scholarship planning tool. The components of a SMART (Specific, Measurable, Achievable, Relevant and Timely) research question will be reviewed. You will develop your own research question, converting it into specific aims. We will review study designs and a framework for choosing a design to match your specific aims. You will identify study designs and outcome variables best suited to your project. Outlets for dissemination of scholarship including alternatives to traditional journals will be provided.
**Global Health**
APA Special Interest Group
Vancouver Convention Centre - West 122

Chairs: Mirzada Kurbsac, mirzada.kurbasic@louisville.edu, and Suzinne Pak-Gorstein, spakgor@uw.edu

Title: Successful Approaches and Partnerships to Address Chronic Conditions and Non-Communicable Diseases in Developing Countries

Children face immense challenges in receiving routine care for chronic non-communicable conditions such as developmental disabilities, diabetes, sickle cell disease, and cancer, as well as chronic infectious diseases such as tuberculosis and HIV. The APA Global Health SIG program will highlight successful models and strategies to address these problems. The keynote speaker Isaac Odame, will discuss actionable steps to mitigate the high burden of non-communicable diseases in LMICs. A panel of international leaders, Bob Armstrong, Toni Moran, Siawata Camanor, and Katie Armstrong, will discuss key ingredients for effective international collaboration tackling chronic conditions.

8:30 WELCOME & Announcement of the GLOBAL HEALTH RESEARCH AWARD
2014 GH Research Awardee: Dr. Ruth Namazzi from Uganda.

8:45 KEY NOTE SPEAKER
Isaac Odame, MB ChB, MRCP(UK), FRCPath
"Addressing Chronic Conditions and Non-Communicable Diseases in Developing Countries through Partnerships"
Medical Director, Global Sickle Cell Disease Network (GSCDN), PGPR
Co-Director, Haemoglobinopathy Program, Hospital for Sick Children, University Toronto

9:30 GLOBAL HEALTH PANEL
"What are the Priority Challenges and Key Ingredients to Successful International Collaborations addressing Chronic Diseases? Voices from Pediatric Leadership"
Robert Armstrong, MD, PhD, FRCP - Kenya
Addressing developmental disabilities in Sub-Saharan Africa
Dean of Medicine, Chief Academic Officer, Aga Khan University, Nairobi, Kenya
Past President, American Academy of Cerebral Palsy and Development Medicine

Siawata Camanor, FC PAEDS (SA) - Liberia
Local Challenges and Solutions to Care for Children with Chronic Diseases in Liberia
Director, Pediatric Chronic Illness Clinic, JFK Medical Center, Liberia
Chair, Faculty of Pediatrics, Liberia College of Physicians and Surgeons

Antoinette Moran, MD - U Minn/Uganda partnership
Diabetes and other Endocrine Diseases - Challenges and Sustainable partnerships
Professor, Division Chief, Pediatric Endocrinology and Diabetes, Univ Minnesota

11:20-11:30 Discussions and Closing

Presenters: Kate Armstrong, Siawata Camanor, Isaac Odame, Robert Armstrong, Antoinette Moran, and Ruth Namazzi

8:30am-11:30am

**Health Literacy**
APA Special Interest Group
Vancouver Convention Centre - West 114

Chairs: H. Shonna Yin, hsiang.yin@nyumc.org, and Lee M. Sanders, lsanders@stanford.edu

The APA’s Health Literacy SIG aims to provide a collaborative environment for interdisciplinary research, teaching, and policy around the theme of health literacy.

The SIG aims are as follows: (1) To develop and foster an agenda for health literacy research which promotes high quality pediatric care and improved child health outcomes, including research to support the development of novel interventions to reduce the literacy-burden within healthcare settings, (2) To develop and promote the dissemination of clear, reader-friendly child health information, (3) To cultivate collaborative projects to improve health literacy training for medical students, pediatric residents, and practicing pediatricians, and (4) To provide evidence-based, health literacy-informed guidance to policy-making agencies and other national organizations concerned with improving child health.

8:30am-11:30am

**Injury Control**
APA Special Interest Group
Vancouver Convention Centre - West 113

Chairs: Veronica L. Gunn, vgunn@chw.org, and Kieran J. Phelan, kieran.phelan@chcmc.org

The Injury Control SIG welcomes Drs. Lynne Haverkos, Fred Rivara and Mike Dean who will be introducing the new Pediatric Trauma and Critical Illness Branch (PTCI) at NICHD. These three leaders in injury research will present an overview of this new branch, its members, mission, and accomplishments. Participants will engage in dialogue afterward to discuss research topics of interest. Presenters: Lynne Haverkos, J. Michael Dean and Fred Rivara

8:30am-11:30am

**Obesity**
APA Special Interest Group
Vancouver Convention Centre - East 10

Chairs: Sandra Gibson Hassink, shassink@nemours.org, and Sarah Hampl, shampil@cmh.edu

This year’s SIG will focus on Practical Strategies in Obesity Management: From Primary to Tertiary Care. Please come to hear Victoria Rogers, MD and Michael Dedekian, MD from the Barbara Bush Children’s Hospital at Maine Medical Center/5210 Let’s Go! Program and Stephen Pont MD, MPH, Dell Children’s Hospital/Chair of the AAP Provisional Section on Obesity, discuss “Next Steps for the Next Generation of Pediatric Obesity Treatment”, a new resource for those interested in obesity research. Participants will engage in dialogue afterward discussing research topics of interest. Presenters: Victoria Rogers, Stephen Pont, John Moore, and Michael Dedekian

8:30am-11:30am

**Quality Improvement/Race in Medicine**
APA Special Interest Group
Vancouver Convention Centre - East 20

Chairs: Alex R. Kemper, alex.kemper@duke.edu, Caryn R.R. Rodgers, caryn.rogers@einstein.yu.edu, Angela Ellison, ellisona@email.chop.edu, and Ricardo Quinonez, quinonez@bcm.edu

Vulnerable and underserved populations can suffer from significant health disparities. Quality improvement methods can be one way to address issues dealing with disparities. This combined session offered the SIG on Quality Improvement and the SIG on Race in Medicine will highlight quality improvement work aimed at tackling issues of importance to underserved populations. Published work as well as work in progress will be presented by experienced researchers in this area. A poster/abstract session will follow the scientific presentations.

Presenters: Andrew Beck, Jeffrey M. Simmons, Jean Raphael

8:30am-11:30am

**Serving the Underserved/Teaching in Community Settings**
APA Special Interest Group
Vancouver Convention Centre - East Parview #2

Chairs: Tyler K. Smith, tylersmith8@aol.com, Margaret Tomcho, margaret.tomcho@dhha.org, Scott D. Krugman, scott.krugman@medstar.net, Steven G. Federico, steve.federico@dhha.org, and Chris Pelletier, Chris.Peltier@chcmc.org

This year the Teaching in Community Settings and Serving the Underserved SIGs are combining forces to present a unique and informative program: “Teaching the Social Determinants of Health by example.” The program will begin with...
an overview on teaching social determinants of health to residents and students and then provide information on recent research about food insecurity. A panel discussion will conclude the program and provide real life examples of teaching programs that have successfully implemented teaching of social determinants of health into a variety of clinical settings including community health centers, private practices, academic continuity clinics and school based health centers.

Presidents: Andrew Beck, Melissa Klein

8:30am-11:30am

3275A  “Urine the Know” Best of Pediatric Nephrology in 2013-14
ASPN Workshop
Vancouver Convention Centre - West 201

Target Audience: Pediatric Nephrologists.

Objectives:
- Outline the premium papers in the field to provide new knowledge to the attendee
- Provide a venue to discuss controversies in Pediatric Nephrology
- Open lines of communication to like minded individuals in terms of ongoing or potential collaborative research

Co-Leaders: Allison A. Eddy, David Berrey Kershaw

One of the primary roles of the academic physician is to do research and disseminate the findings. With the conflicting responsibilities of clinical coverage, administrative work, teaching, our own research and family obligations, it can be challenging to keep up with the most important research findings outside of our own spheres. This workshop is intended to present the findings of the top advances in pediatric nephrology in 2013-14. The goal is to have 2 papers each in the fields of Acute Kidney Injury, Chronic Kidney Disease, Dialysis and Transplantation presented by their authors.

8:30-8:40 Introduction to the session – Drs. Eddy and Kershaw

AKI
8:40-9:00

University of Virginia

9:00-9:20

Yale University

CKD/Dialysis
9:20-9:40

Columbia University

9:40-10:00

University of Pennsylvania

10:00-10:20

Johns Hopkins University

10:20-10:40

University of Pennsylvania

Transplant
10:40-11:00

Medical University of South Carolina

11:00-11:20

Stanford University

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

10:00am-12:00pm

3295  APA Childhood Poverty Task Force Meeting
APA Committee Special Interest Group
Pan Pacific Vancouver - Crystal Pavilion A
10:40  E. MEAD JOHNSON AWARDS FOR RESEARCH IN PEDIATRICS AND LECTURES

Atul Butte, Associate Professor of Pediatrics and Genetics, and by courtesy, Medicine, Pathology, and Computer Science, Stanford University, Stanford, CA

Nominated by Hugh O’Brodovich

Translating 300 Trillion Points of Data into New Diagnostics and Therapeutics for Children

Dr. Butte has shown how to translate hundreds of billions of publicly-available molecular, clinical, and epidemiological measurements into novel diagnostics, drugs, and insights into human disease.

By intersecting gene expression data on diseases and drugs, Dr. Butte’s team has discovered novel receptors associated with type 2 diabetes, that can be targeted with drugs, as well as finding novel uses for existing drug, known as computational drug repositioning. In receiving the White House Champion of Change award in 2013, Dr. Butte has shown the value and potential of publicly-accessible data.

John V. Williams, Associate Professor of Pediatrics, Associate Professor of Pathology, Microbiology, and Immunology, Monroe Carell Jr. Children’s Hospital at Vanderbilt, Vanderbilt University School of Medicine, Nashville, TN

Nominated by Terence S. Dermody

Human Metapneumovirus: A Journey of Discovery

Dr. Williams has advanced the understanding of human metapneumovirus (MPV), a paramyxovirus discovered in 2001, by a) describing the clinical features and epidemiology of MPV in children; b) discovering that RGD-binding integrins serve as receptors for MPV; c) identifying the fusion (F) protein as the sole target of protective antibodies; d) developing candidate vaccines and monoclonal antibodies; and e) finding that MPV and other acute respiratory viral infections cause impairment of lung CD8+ T cells via PD-l signaling, a pathway previously associated with chronic infections and cancer.

Dr. Williams’ research has advanced the field in numerous basic and clinical areas.

11:14  INTRODUCTION, MAUREEN ANDREW MENTOR AWARD

Jake A. Kushner, Co-Chair SPR Mentoring Committee, Baylor College of Medicine/ Texas Children’s Hospital, Houston, TX

Bonnie L. Halpern-Felsher, Co-Chair SPR Mentoring Committee, University of California, San Francisco, CA

MAUREEN ANDREW MENTOR AWARD

Kathryn M. Edwards, Vanderbilt University School of Medicine, Nashville, TN

Nominated by Terence S. Dermody

11:32  PRESIDENTIAL ADDRESS

The Test of Our Progress

Steven P. Miller, Head, Division of Neurology and the Centre for Brain & Mental Health, The Hospital for Sick Children

Blouview Children’s Hospital Chair in Paediatric Neuroscience, Professor, Department of Paediatrics, University of Toronto

12:00  SPR AWARDS RECEPTION – West Ballroom D

Members, special guests and colleagues of the SPR awardees, please join the SPR President and Council for an awards celebration honoring all the SPR awardees. This includes those listed in the SPR Presidential Plenary in addition to those below. The celebration will be held in West Ballroom D, immediately following the SPR Presidential Plenary Session. Refreshments and light snacks will be provided.

MARY ELLEN AVERY NEONATAL RESEARCH AWARD

John A. Clements, (retired) University of California, San Francisco, CA

Nominated by Richard D. Bland

Student Research Awards

Rebecca Currier, University of Cincinnati, Cincinnati, OH

Nominated by Ardythe L. Morrow

Willemina Foppen, Boston Children's Hospital, Harvard Medical School, Boston, MA

Nominated by Ofer Levy

Andrew J. Greshel, The Children's Hospital of Philadelphia, Philadelphia, PA

Nominated by Janet Liow

Kelsey Lee, University of British Columbia, Vancouver, Canada

Nominated by Pascal M. Lavoie

Blair T. Stocks, Vanderbilt University, Nashville, TN

Nominated by Daniel J. Moore and William E. Russell

Marie Strobl, Aachen University, Aachen, Germany

Nominated by Scott Rivkees

House Officer Awards

Joshua J. Bear, University of California San Francisco, San Francisco, CA

Nominated by Yvonne Wu

Kriti Puri, Cincinnati Children’s Hospital, Cincinnati, OH

Nominated by Sahu S Kallapur

Regina K. Rowe, Children’s Medical Center, Dallas, TX

Nominated by Michelle A. Gill

Fellow Basic Research Awards

Rebecca Johnson, University of California, San Francisco

Nominated by Jeffrey Fineman

Aparna Patra, Women & Infants Hospital of Rhode Island and The Alpert Medical School of Brown University, Providence, RI

Nominated by Barbara S. Stonestreet

David P. Sparling, Columbia University Medical Center, New York, NY

Nominated by Sharon Oberfield

Fellows’ Section Basic Research Awards

Daniel T. Swarr, The Children’s Hospital of Philadelphia

Nominated by Edward E. Morrisey and Scott Lorch

Hitesh Deshmukh, University of Pennsylvania, Philadelphia, PA

Nominated by G. Scott Wortthen and Scott Lorch

Fellow Clinical Research Awards

Melanie Cree-Green, University of Colorado, Aurora, CO

Nominated by Kristen Nadeau

Brittany P. Jones, Icahn School of Medicine at Mount Sinai, NY, NY

Nominated by James W. Tsang

Justin E. Paulson, University of North Carolina, Chapel Hill, NC

Nominated by Terry Noah

Fellows’ Section Clinical Research Awards

Vishnu Priya Akula, Stanford University School of Medicine, Palo Alto, CA

Nominated by Krisa Van Meurs

Birja A. Shah, Women and Infants Hospital of Rhode Island, Alpert Medical School of Brown University, Providence, RI

Nominated by James F. Padbury

Japan Pediatric Society Fellow Awards

Kimihiko Banno

Osaka University School of Medicine, Osaka, Japan

Yukiko Kuroda

Kanagawa Children’s Medical Center, Yokohama, Japan

Keiko Matsubara

National Research Institute for Child Health and Development, Tokyo, Japan

European Society for Pediatric Research Young Investigator Award

Magnus Gram

Lund University, Lund, Sweden

Richard D. Rowe Award in Basic Research

Jessica H. Moulcdeux, Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN

Nominated by Bill Walsh

David G. Nathan Award for Clinical Research

Elizabeth C. Swanson, University of Minnesota Medical School, Minneapolis, MN

Nominated by Mark R. Schleiss

Douglas K. Richardson Award for Perinatal & Pediatric Healthcare Research

Mark A. Schuster, Boston Children’s Hospital & Harvard Medical School, Boston, MA

Nominated by Gary R. Fleisher

SPR Public Service Award

The Honorable Dianne Feinstein, Senator (Democrat, California), The United States Senate, Washington, DC

Nominated by the SPR Advocacy Committee

*First Author is Trainee (fellow, house officer or student)
3325 Educating Physicians for the Future

PAS Topic Symposium

Vancouver Convention Centre - East 11

Target Audience: This session will be of general interest to anyone in academic medicine or involved with the education of physicians.

Objectives:
- Describe key aspects of medical education required to equip physicians for a changing healthcare system
- Explain limitations of the current medical education system for achievement of the Triple Aim
- Discuss new educational approaches that would better prepare physicians to meet the needs of our society

Chair: Lindsey Lane, Children's Hospital Colorado, Aurora, CO

The session will have 4 twenty minute presentations each followed by 10 minutes of discussion.
1. Shaping the curriculum to equip doctors for the Triple Aim: Better care for individuals, better health for populations, lower per capita costs.
2. Applying evidence based educational principles to the preparation of physicians across the continuum.
3. Examining how scoring and grading affect medical education and how alternative assessments might improve physician capability.
4. Linking competency based education to workplace outcomes.

In the context of a rapidly changing health care system, we must re-examine every aspect of medical education to ensure that we anticipate and prepare for the needs of the future. This will entail rethinking the structure and time-line of medical education; refocusing the content of learning; restructuring the approach to assessment to ensure competent physicians; revising models of pre-clinical and clinical teaching; and engaging patients and communities to guide curricular emphases.

10:30 Shaping the Curriculum to Equip Doctors for the Triple Aim: Better Care for Individuals, Better Health for Populations, Lower Per Capita Costs
Lindsey Lane, Children's Hospital Colorado, Aurora, CO

11:00 Applying Evidence Based Educational Principles to the Preparation of Physicians across the Continuum
Tai M. Lockspeiser, University of Colorado, Denver, CO

11:30 Examining How Scoring and Grading Affect Medical Education and How Alternative Assessments Might Improve Physician Capability
Janice L. Hanson, University of Colorado School of Medicine, Aurora, CO

12:00 Linking Competency Based Education to Workforce Outcomes
Thomas A. Parker, University of Colorado School of Medicine, Aurora, CO

10:30am-12:30am

3330 Rare Diseases: Where Are We; Where Are We Going: Why Does It Matter?

PAS State of the Art Plenary

Vancouver Convention Centre - West 109

Target Audience: Clinicians and scientists at all career stages.

Objectives:
- Understand how current technologies are applied in strategies for rare disease drug development
- Comprehend the challenges of clinical trial design for rare diseases
- Articulate key aspects of the regulatory pathway and the special considerations for orphan drug approval

Chairs: Nancy S. Green, Columbia University Medical Center, New York, NY, and Lisa M. Guay-Woodford, Children's National Medical Center, Washington, DC

The Orphan Drug Act of 1983 incentivized pharmaceutical companies to develop and commercialize drugs to treat rare diseases, so-called orphan drugs. Thus, the terms “rare disease” and “orphan disease” are often used interchangeably. In the United States, the Rare Diseases Act of 2002 defines a disorder as “rare” based on population prevalence, i.e., a disease or condition that affects less than 200,000 persons or about 1 in 1,500 people. Rare diseases typically involve single gene defects and thus can present at any point along the life course, although most manifest symptoms early in life. This symposium will focus on the current state-of-the-art in rare disease research, with emphasis on strategies for drug development, new methodologies for clinical trial design, and approaches to effectively navigate the regulatory pathway for drug approval.

10:30 Rare Diseases: The 2013 Terrain
Lisa M. Guay-Woodford, Children's National Medical Center, Washington, DC

10:55 Drug Development for Rare Diseases: Challenges and Solutions
John C. McKew, National Center for Advancing Translational Sciences, Bethesda, MD

11:20 Statistical Challenges in Study Design for Rare Disease Trials
Avital Cnaan, Children's National Medical Center, Washington, DC

11:45 The Regulatory Pathway for Rare Diseases: Lessons Learned
Robert “Skip” Nelson, Food and Drug Administration, Silver Spring, MD

12:10 Discussion

10:30am-12:30pm

3335 Beyond Transition Plans for Youth with Chronic Health Conditions: International Perspectives, Program Development, Shared Care with Adult Providers, Youth Engagement

PAS Hot Topic

Vancouver Convention Centre - West 220

Target Audience: Specialist pediatrics, general pediatrics, health care leaders and administrators, trainees, medpeds, hospitalists, advocacy and policy makers, researchers.

Objectives:
- To compare and contrast different approaches to transition from different countries and health systems
- To articulate integration of systematic transition best practices into the transfer experience using QI methodology and IHI Triple Aim framework
- To develop strategies for one's own practice to support advocacy, youth engagement, and collaboration with family practitioners and adult specialists

Chairs: Sandy R. Whitehouse, University of British Columbia, Vancouver, BC, Canada, and Lisa Tuchman, Children's National Health System, Washington, DC

Transition planning and preparation has been the foundational framework to support youth with chronic health conditions moving from pediatric to adult care and is well described. Despite this transition is hampered by health care system issues, particularly with respect to collaboration with primary care and adult providers. Additionally, youth engagement is critical to transition success. This Hot Topics seminar will present: a) a multifaceted, international perspective on new and innovative programs to improve the transition from pediatric to adult care. b) Simple or complex transition? One size does not fit all. c) Strategies for youth engagement and advocacy to promote successful transition. d) Processes to engage with and support primary care physicians and adult specialists. The gp/internist perspective will be discussed by providers regarding their experiences from a shared care perspective and opportunities to improve transition processes. e) Discussion on potential collaborative initiatives to move the field forward internationally.

10:30 Simple and Complex Transition – One Size Does Not Fit All.

Addressing the Variability of Transition Needs through Appropriate Program Design and Supports Using the Triple Aim Framework
Sandy R. Whitehouse, University of British Columbia, Vancouver, BC, Canada

10:45 Introduction – Future Directions and Considerations in the Transition Process
Lisa Tuchman, Children's National Health System, Washington, DC

Lisa Tuchman, Children's National Health System, Washington, DC

11:10 Promotion of the Transition of Adult Patients with Childhood-Onset Chronic Diseases among Pediatricians in Japan
Yuko Ishizaki, Kansai Medical University Takii Hospital, Osaka, Japan
11:25  Design, Technology and Connecting – Youth Advocacy Strategies to Improve Youth Engagement with Transition
Miriam Kaufman, Hospital for Sick Children Toronto, Toronto, ON, Canada

11:40  Innovative Statewide Programs for Transition Care in NSW, Australia – The Experience with Spina Bifida
TBD

11:55  The Adult Perspective-Supporting Adult Providers to Ensure Sustainable, Quality Long Term Health Care through Developing Condition Specific Long Term Guidelines
Lynn Straatman, Vancouver General Hospital, UBC, Vancouver, BC, Canada

12:10  Complex, Chronically Ill Youth Are Not For Every Family Doctor – Developing Strategies to Appropriately Align Primary Care Practitioners with Patients Using the Triple Aim Framework
Dean Brown

Jointly sponsored by the Society for Adolescent Health and Medicine and the Pediatric Academic Societies

10:30am-12:30pm

**3340  Environmental Hazards: How big is the global burden of disease?**
PAS Mini Course
Vancouver Convention Centre - West 212-213

Chairs: David C. Bellinger, Boston Children's Hospital, Boston, MA, and Ruth Ann Etzel, Joseph J. Zilber School of Public Health, Milwaukee, WI

10:30  Global Burden of Disease from Mercury and Lead
David C. Bellinger, Boston Children’s Hospital, Boston, MA

11:00  Burden of Disease from Aflatoxins and Other Mycotoxins
John Groopman, Johns Hopkins University, Baltimore, MD

11:30  Global Burden of Disease from Tobacco
Michael Weitzman, New York University School of Medicine, New York, NY

10:30am-12:30pm

**3345  Evaluation and Management of Infants and Children with Pulmonary Hypertensive Vascular Disease**
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom A

Target Audience: Physician-scientists, scientists, and clinicians at all stages of their career who treat or study children with cardiopulmonary diseases. We anticipate broad appeal given the recent progress in the field and surge of interest in the categorization and treatment of this condition with high associated morbidity and mortality.

Objectives:
- List and characterize the causes of pulmonary hypertensive vascular disease in pediatric patients
- Summarize the current therapeutic approaches to care for the child with pulmonary hypertensive vascular disease
- Summarize the forthcoming guidelines (AHA/ATS joint guidelines) on the approach and care of the child with pulmonary hypertensive vascular disease

Chairs: Eric Austin, Vanderbilt University, Nashville, TN, and S. H. Abman, University of Colorado School of Medicine, Aurora, CO

Pulmonary vascular disease refers to a constellation of disorders of the pulmonary vasculature, many but not all of which manifest with pulmonary hypertension. While in adults the causes and natural history of pulmonary hypertension are well understood, including the risk for right ventricular failure and death, the pediatric field has tremendous room for growth. However, recent translational work has emerged, including a comprehensive guideline document for the approach to and care of the pediatric patient with pulmonary vascular disease (AHA/ATS joint document). In this Symposium, we will present the current guidelines for the classification and management of pediatric pulmonary hypertension. But, additional progress on the clinical, genetic and molecular risk factors in the pathogenesis of pulmonary vascular disease is needed; thus, this Symposium will also highlight not only areas of progress, but future approaches underway to propel the field forward.

10:30  Introduction to Pulmonary Hypertensive Vascular Disease
S. H. Abman, University of Colorado School of Medicine, Aurora, CO

10:35  Update on the Classification of Pulmonary Hypertensive Vascular Disease in Children
Ian Adatia, University of Alberta, Edmonton, AB, Canada

10:55  Pathobiology and Treatment of Pulmonary Vascular Disease Associated with Congenital Heart Disease
Jeffrey R. Fineman, University of California, San Francisco, San Francisco, CA

11:15  Approach to the Infant with Developmental Lung Hypoplasia and Pulmonary Hypertensive Vascular Disease
Robin H. Steinhorn, UC Davis Children’s Hospital, Sacramento, CA

11:35  BPD-Associated Pulmonary Hypertension: From NICU to Childhood
Peter M. Mourani, University of Colorado Denver, Aurora, CO

11:55  Genetics and Genetic Testing in Pediatric Pulmonary Hypertension
Eric Austin, Vanderbilt University, Nashville, TN

12:15  Discussion

10:30am-12:30pm

**3347  Every Newborn Part 1: PAS Launch of Every Newborn**
PAS State of the Art Plenary
Vancouver Convention Centre - East Ballroom A

Chairs: Barbara Stoll and Miriam Claeson

This is the first part of a two part series on the Every Newborn Action Plan, which is the critical strategy document for targets and priorities post-2015 for newborn survival, linked to the UN’s Every Woman Every Child strategy and to A Promise Renewed. The MDGs have catalyzed a revolution for maternal and post-neonatal child deaths, but neonatal mortality has reduced at less than half this pace. There are now 3 million newborn deaths every year globally, with an additional 2.7 million third trimester stillbirths, plus a major impact on child health and development – a huge loss for human development and for families around the world. Accelerated action is needed to provide care for every newborn as well as every woman and every child. The plan provides a template for action around the world to 2035. The barriers for universal coverage of newborn care are highest in the countries with the highest burden, but the plan also highlights actions needed to close equity and quality gaps in every country. Prof. Joy Lawn, Director of the MARCH Centre at the London School of Hygiene & Tropical Medicine, and Director Evidence and Policy Saving Newborn Lives/Save the Children and Prof. Zulfiqar Bhutta, Robert Harding Chair in Global Child Health at SickKids Toronto and President-elect of the International Pediatric Association, with Dr Liz Mason of WHO and Dr Gary Darmstadt of the Bill & Melinda Gates Foundation will launch The Every Newborn with new data regarding global burden, data for action, evidence based interventions with lives saved and cost, and country led implementation and challenges.

10:30  IntroductionBarbara Stoll (AAP president) and Miriam Claeson
Bill & Melinda Gates Foundation

10:40  Every Newborn: Ending Preventable Newborn Deaths Within a Generation
Joy Lawn

11:10  Every Newborn: How Many Lives Saved and at What Cost?
Zulfiqar Bhutta

11:40  Every Newborn: A Decade of Learning to Inform Accelerated Action
Gary Darmstadt

11:55  Every Newborn: Who is Holding the Newborn?
Liz Mason

12:10  Discussion

10:30am-12:30pm

**3350  Innovative Models in Pediatric Health Care Delivery**
PAS Topic Symposium
Vancouver Convention Centre - West 119-120

Target Audience: All pediatric clinicians and scientists.

Objectives:
- Describe innovative models for pediatric health care delivery
- Describe innovative payment models in pediatric health care delivery
- Present outcome data that supports sustainable change
Oxidative stress (OS) is a disturbance in the balance of reactive oxygen species (ROS) and antioxidants that leads to damage of lipids, proteins, and nucleic acids. All types of biomolecules can be damaged by ROS, and OS have now been shown to be associated with diverse human diseases or pathological conditions including pediatric disorders. Therefore, the whole sphere of OS in children is becoming an increasingly important clinical knowledge for child healthcare professionals including pediatricians.

### Objectives:

- To describe and summarize knowledge of the effects of oxidative stress on health and development in childhood
- To review the data and discuss issues regarding the significance of melatonin as an antioxidant
- To describe and summarize knowledge of the effects of oxidative stress and immunological disorders in children
- Be familiar with useful biomarkers to assess the oxidative stress in children

### Target Audience:

Pediatricians, general pediatricians, pediatric endocrinologists, developmental physicians, neonatologists and child healthcare providers.

### Oxidative Stress in Pediatric Disorders – Current Concept for Clinical Practice

**Topic Symposium**

**Vancouver Convention Centre – West 118**

**Chairs:** Akihiro Yachie, School of Medicine, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Kanazawa, Ishikawa, Japan, and Kazunari Kaneko, Kansai Medical University, Moriguchi, Osaka, Japan

### 10:30 The Transformation of Pediatric Health Care

Jane Frances Knapp, Children’s Mercy Hospitals and Clinics, University of Missouri-Kansas City School of Medicine, Kansas City, MO

### 10:50 Developing Community-Based Pediatric Health Services by Tackling Financials First

Bob Finuf, Children’s Mercy Pediatric Care Network, Kansas City, MO

### 11:10 Partners for Kids

Kelly J. Kelleher, Nationwide Childrens Hospital, Columbus, OH

### 11:30 Transforming Pediatric Ambulatory Care: The Physician’s Extension Team

Andrew R. Hertz, University Hospitals Rainbow Babies and Children’s Hospital, Shaker Heights, OH

### 11:50 Partnering with Parents, the Medical Home, and Community Providers to Improve Transition Services for High-Risk Preterm Infants in Rhode Island

Betty R. Vohr, Women & Infants’ Hospital, Providence, RI

### 12:10 Discussion

10:30am - 12:30pm

**3357A Pediatric Infectious Diseases Guidelines: Issues and Controversies**

**PIDS Topic Symposium**

**Vancouver Convention Centre – East Ballroom B**

**Chairs:** Preeti Jaggi, Nationwide Children’s Hospital – The Ohio State University, Columbus, OH

This session will discuss recent pediatric guidelines on UTI and sinusitis with a focus on the evidence behind the recommendations and the knowledge gaps that call for future research. In addition, new infection prevention guidelines on cystic fibrosis and infants in the NICU will be presented.

### 10:30 Guideline on Urinary Tract Infection: After 24 Months? What’s Next?

Alejandro Hoberman, Children’s Hospital of Pittsburgh, Pittsburgh, PA

### 11:00 Guideline on Sinusitis: Treatment Conundrum

Ellen R. Wald, University of Wisconsin School of Medicine and Public Health, Madison, WI

### 11:30 Infection Prevention and Control Guideline for Cystic Fibrosis: 2013 Update

Jane D. Siegel, University of Texas Southwestern Medical Center, Dallas, TX

### 12:00 CDC and HICPAC Guidelines for the Prevention of Infection in the NICU

Alexis Marie Elward, Washington University School of Medicine, Saint Louis, MO

### 10:30 Clinical Scholar Awardee Introduction

Mitch Geffner, MD, Children’s Hospital Los Angeles, CA

### 10:35 Clinical Scholar Award: Insights from Genomic Investigations of Short Stature

Andrew Dauber MD, MMSc, Division of Endocrinology, Children’s Hospital Boston, MA

### 10:45 PES Presidential Lecture: What We Know Standing on the Shoulders of Giants

Morey W. Haymond, Baylor College of Medicine, Houston, TX

### 11:30 Introduction: Pinchas Cohen, MD, David Geffen School of Medicine at UCLA, Los Angeles, CA

**Judson J. Van Wyk Award Presentation**

Ron Rosenfeld, MD, Lucile Packard Foundation For Children’s Health, Palo Alto, CA

### 11:45 Robert M. Blizzard Lecture Introduction

Mitch E. Geffner, MD, Children’s Hospital Los Angeles, CA

### 11:50 Robert M. Blizzard Lecture

Thomas P. Foley, Jr., MD, University of Pittsburgh, Children’s Hospital of Pittsburgh, Pittsburgh, PA
**Daily Programming**

10:30am - 12:30pm

**3365 Developmental Biology**

Platform: Vancouver Convention Centre - Room West 111-112

Chairs: Praveen Ballabh and Christiane Dammann

10:30* Plac1 (Placenta-Specific 1) Is Essential for Normal Neuronal and Axonal Development. Juan M. Fuentes Guerra, Xiaoyuan Kong, Michael Fant. Publication 3365.1

10:45 A Novel In Vitro Platform for Studying the Cellular Basis of Neurodevelopmental Disorders. Anca M. Pasca, Sergiu P. Pasca, Chul-Hoon Kim, Jon Bernstein, Joachim Hallmayer, Ricardo E. Dolmetsch. Publication 3365.2

11:00 Transgenerational Molecular and Phenotypic Characterization of the Perinatal Nicotine Exposure-Induced Effects on Bone Marrow-Derived Mesenchymal Stem Cells. Jie Liu, Reiko Sakurai, Sumair Husain, John S. Torday, Virender Rehan. Publication 3365.3

11:15* DNA Methylation (DNAm) Evidence Links Periconceptual Smoking in Mothers With Pre- and Post-Natal Growth. J. Ng, C. Kelton, D. Olson. Publication 3365.4

11:30 Chronic Intraventricular Pulmonary Hypertension Induces Main Pulmonary Artery Stiffening Due to Altered Collagen Deposition and Elastin Fiber Distribution in Fetal Sheep. R. Blair Dodson, Matthew Morgan, Gregory Seedorf, Steven H. Abman. Publication 3365.5

11:45* Hyperoxia Interacts With Circadian Disruption To Worsen Neonatal Lung Injury Through Modulation of Rev-erba. Shao Nengdu, Guang Yang, Alex Saadremali, Hayato Go, Phyllis A. Denney. Publication 3365.6

12:00* Mechanisms Underlying Inflammation-Induced 'Maturation' of the Fetal Lung. Melinda J. Dolan, Timothy J.M. Moss, Annie R.A. McDougall, Timothy J. Cole, Megan J. Wallace. Publication 3365.7

12:15 Activation of ERK and p38 by TGF-β and Activin Are Reduced by Deletion of the Type I but Not the Type II TGF-β Receptor. Matt K. Lee, Susan M. Smith, Aimin Li, Parviz Minoo. Publication 3365.8

10:30am - 12:30pm

**3370 Disparities in Health Care by Demographics, Condition & Community Characteristics**

Poster Symposium Session

Vancouver Convention Centre - Room West 223-224

Viewing: 10:30am - 11:00am

Discussion: 11:00am - 12:30pm

Chairs: Alyna Chien and James Guevara

Discussant:


2 In Medicaid, Five Percent of Child Enrollees Constitute One-Half of Total Spending and Nearly All Spending on Hospital Care. Jay Berry, Eyal Cohen, Denise Goodman, Dave Rubin, Ken Mandl, Chris Stille, Matt Hall, Naomi Bardach, Dennis Kuo, Rishi Agrawal, Jacqueline Kueser, John Neff. Publication 3370.2

3* Prescription Drug Use Among Children of Northern New England by Payer Type and by Hospital Service Area. Shelsie J. Weinstein, Samantha A. House, Chiang-Hua Chang, Jared R. Wasserman, David C. Goodman, Nancy E. Morden. Publication 3370.3


5 Racial Disparities in Narcotic Administration Among Pediatric Patients Diagnosed With Appendicitis in Emergency Departments. Monika K. Goyal, Nathan Kuppermann, Sean D. Cleary, Stephen J. Teach, James M. Chamberlain. Publication 3370.5

6 Characteristics of Rural Children Admitted To Children's Hospitals: Implications for Their Care After Discharge. Marjorie Lee White, Chang L. Wu, Matt Hall, Jay G. Berry. Publication 3370.6

7 Predictors of Burnout: Results from the Pediatrician Life and Career Experience Study (PLACES). Mary Pat Frintner, Amy J. Starmer. Publication 3370.7

8* Clarifying the Predictive Value of Family-Centered Care and Shared Decision-Making Measures on Healthcare Outcomes Using the Medical Expenditure Panel Survey. O. Lindly, K. Zuckermandl, K. Mistry. Publication 3370.8


10 Access To Medical Homes for Children in Foster Care. Suzette N. Brown, Nicole M. Brown. Publication 3370.10

11* Analysis of Long-Stay Patients in Pediatric Intensive Care Units. Orkun Baloglu, Shi Zhao, Sergey S. Tarima, Matthew C. Scanlon. Publication 3370.11

3:30pm - 5:30pm

**3372 Emergency Medicine II**

Platform: Vancouver Convention Centre - Room East Ballroom A

Chairs: David Brousseau and Suzanne Schuh

3:30 Results of a Randomized Controlled Trial of Lorazepam Versus Diazepam for Pediatric Status Epilepticus. James Chamberlain, Pamela Okada, Majia Holsti, Prashant Mahajan, Jill Baren, Kathleen Brown, Cheryl Vance, Victor Gonzalez, Richard Lichenstein, Rachel Stanley, David Brousseau, Roger Zemek, David Johnson, Joseph Grubenhoff. Publication 3372.1


4:30* Telemedicine Is a Valid Tool To Assess the Severity of Respiratory Distress in Children With Asthma. Rajender K. Gattu, Joey Scollan, Amita Desouza, Devereaux Danieller, Weaver Holli, Agthe Alexander. Publication 3372.5

4:45 Management of Asthma Exacerbations in Children and Adolescents: Differences between Pediatric and General Emergency Departments. James M. Chamberlain, Stephen J. Teach, Katie L. Hayes, Gia Badolato, Monika K. Goyal. Publication 3372.6

APA Fellow's Research Award

Maren Lunoe

5:00* A Randomized Clinical Trial of Jet Injected Lidocaine (j Tip) To Reduce Venipuncture Pain for Young Children. Maren M. Lunoe, Amy L. Drendel, Michael N. Levas, Steven J. Weisman, Raymond G. Hoffmann, David C. Brousseau. Publication 3372.7

5:15 Pain Related Morbidity after Emergency Department Discharge. Amy L. Drendel, Keri R. Hainsworth, Martha W. Stevens. Publication 3372.8

*First Author is Trainee (fellow, house officer or student)
11:30 Neuroprotective Effects of DHA After Neonatal Asphyxia. Ronnaug Solberg, Mariangela Longini, Fabrizio Proietti, Ola Didrik Saugstad, Giuseppe Buonocore. Publication 3375.4


12:00 Neuropathologic Changes in a Nonhuman Primate Model of Perinatal Asphyxia. Bobbi Fleiss, Leslie Schwendimann, Ronald McPherson, Pierre Gressens, Sandra Juul. Publication 3375.6

12:15 The Role of Microglia in Myelination: A Friend or a Foe? Yi Pang, Abhay Bhatt, Lir-Wan Fan, Xuemei Dai, Lu-Tai Tien, Praveen Kumar. Publication 3375.7

10:30am – 12:30pm
3380 General Pediatrics: Data Driven Change Platform Vancouver Convention Centre - Room East 12


11:45 Minimum Clinically Important Difference (MCID) of the Pediatric Asthma Control and Communication Instrument (PACCI). Sande O. Okelo, Cecilia M. Patino-Sutton, Andrew L. Bilderback, Gayane Venokyan, Michelle N. Eakin, Kristin A. Riekert. Publication 3380.6


12:15 The Transition from ICD-9-CM To ICD-10-CM: Challenges for Pediatric Practice. Rachel Caskey, Jeffrey Zaman, Yves Lussier, Andrew Boyd. Publication 3380.8

10:30am – 12:30pm
3390 Kids & Germs: Public Health & Infectious Disease in 21st Century Platform Vancouver Convention Centre - Room West 119-120

Monday, May 5


11:45 MoSAIC: Mobile Surveillance for ARI and ILI in the Community. Melissa S. Stockwell, Carrie Reed, Celibell V. Vargas, Aaron Garretson, Luis Alba, Philip LaRissa, Lyn Finelli, Elaine Larson, Lisa Saiman. Publication 3390.2

11:00 Missed Opportunities for Tuberculosis Screening in Primary Care. Yuri F. van der Heijden, William J. Heerman, Sara McFadden, Barron Patterson. Publication 3390.4


11:45* Vaccine Refusals and Requests for Alternate Vaccine Schedules (AVS): National Surveys of Pediatricians. Catherine Hough-Telford, David Kimberlin, Karen G. O’Connor. Publication 3390.6


Publication 3390.1
Publication 3390.2
Publication 3390.3
Publication 3390.4
Publication 3390.5
Publication 3390.6
Publication 3390.7
Publication 3390.8

Publication 3380.1
Publication 3380.2
Publication 3380.3
Publication 3380.4
Publication 3380.5
Publication 3380.6
Publication 3380.7
Publication 3380.8

220
11:45am-12:45pm

**3425A  ASPN CPC Fellow’s Luncheon: Battle of the Brains**
ASPN Symposium
Vancouver Convention Centre – West 211

Target Audience: Nephrology fellows.

Objectives:
- Evaluate pediatric renal pathology specimens
- Understand treatment controversies and research opportunities in a variety of renal diseases
- Participate in networking amongst pediatric nephrologists
- Stimulate interactions between fellows and members of the society
- Encourage broad discussions of renal pathology, pathophysiology, and treatment conundrums
- Stimulate the development of potential research questions

Chairs: Victoria F. Norwood, University of Virginia, Charlottesville, VA and Patrick D. Walker, Nephropathology Associates, Little Rock, AR

Interactive clinical and renal pathology session for fellows and selected pediatric nephrology and pathology faculty in which cases will be presented for evaluation and spirited discussion.

Supported by an unrestricted educational grant from Nephropath

11:45am-12:45pm

**3430A  ICD-10 for Pediatric Nephrologists Luncheon**
Vancouver Convention Centre – West 219

11:45  ICD-10 for Pediatric Nephrologists
Mark W. Joseph, Phoenix Children’s Hospital, Phoenix, AZ

12:00pm-1:00pm

**3435A  31st Annual Audrey K. Brown Kernicterus Symposium**
Vancouver Convention Centre – East Ballroom B

Target Audience: Practitioners who take care of newborn infants or follow them up after birth.

Objectives:
- Know how phototherapy works
- Know how to use phototherapy for extremely low birth weight infants
- Achieve maximum phototherapy efficiency and avoid potential phototoxicity in extremely low birth weight infants

Chairs: David K. Stevenson, Stanford University School of Medicine, Palo Alto, CA, and Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA and William A. Cashore

The Kernicterus Symposium is offered annually as a didactic educational session designed to provide the most up-to-date information about important topics related to neonatal jaundice and its prevention or treatment.

12:00  A Biophysicist’s View of Phototherapy: Action Spectrum and Hematocrit Dependence
Angelo A. Lamola, Stanford University School of Medicine, Palo Alto, CA

12:30  Phototherapy for Neonatal Jaundice – Still Room for Improvement?
Thor Willy Ruud Hansen, , Oslo University Hospital, Oslo, Norway and Finn Ebbesen, Aalborg University Hospital, Aalborg, Denmark

1:00  Discussion

12:00pm-1:00pm

**3437A  Directors of Research in Pediatrics**
Vancouver Convention Centre – East 8

Speaker: De-Ann M. Pillers, University of Wisconsin-Madison, Madison, WI and Nina G. Schor

12:00pm-1:00pm

**3440A  Pediatric Hospital Medicine: AAP Section on Hospital Medicine**
Vancouver Convention Centre – East 13

Target Audience: Appeal will be to everyone who provides inpatient pediatric care.

Chair: Daniel Rauch, Elmhurst Hospital Center/Ichan School of Medicine at Mt. Sinai, Elmhurst, NY

12:00  Why a PHM Club
Daniel Rauch, Elmhurst Hospital Center/Ichan School of Medicine at Mt. Sinai, Elmhurst, NY

12:05  Discussion

Jointly sponsored by the American Academy of Pediatrics and the Pediatric Academic Societies

12:00pm-1:30pm

**3450  APA Fellows Luncheon**
Pan Pacific Vancouver – Oceanview 5

12:00pm-1:30pm

**3455  APA Region Chairs Luncheon**
Pan Pacific Vancouver – Oceanview 4

12:00pm-1:30pm

**3460  APA SIG Chairs Luncheon**
Pan Pacific Vancouver – Oceanview 2

12:00pm-1:30pm

**3465A  Bioethics Interest Group**
Vancouver Convention Centre – West 201

Target Audience: All pediatric health care professionals or others interested in ethical issues in pediatrics and in ethics in general

Objectives:
- To review current brain death criteria
- To outline recent cases where the use of brain death criteria have caused conflict between families and health care providers
- To debate the validity and the utility of brain death criteria

Chairs: Susan G. Albersheim, University of British Columbia, Vancouver, BC Canada

This will be a debate with an initial brief outline of the issue, presentation of Pro and Con stances, rebuttal by speakers, and ample time for audience participation and discussion.

**Is Brain Death Really Death? McMath, Munoz and Benson Revisited**

12:00  Introduction
Susan G. Albersheim, University of British Columbia, Vancouver, BC Canada

12:10  Pro
Benjamin Wilfond, University of Washington School of Medicine, Seattle, WA

12:30  Con
Robert D. Truog, Children’s Hospital Boston, Boston, MA

12:50  Rebuttals

1:00  Discussion

*First Author is Trainee (fellow, house officer or student)
12:00pm-1:00pm

**3470 SPR Awards Reception**
Vancouver Convention Centre - West Ballroom D

Members, special guests and colleagues of the SPR awardees, please join the SPR President and Council for an awards celebration honoring all the SPR awardees. The celebration will be held immediately following the SPR Presidential Plenary. Refreshments and light snacks will be provided.

12:30pm-1:00pm

**3475A ISCHE Business Meeting**
Vancouver Convention Centre - West 214

Chair: Ruth Ann Etzel, Joseph J. Zilber School of Public Health, Milwaukee, WI

12:30pm-2:00pm

**3480A PIDS Blue Ribbon Session**
PIDS Original Science Platform Session
Vancouver Convention Centre - East Ballroom C

Chairs: Paul W. Spearman, Emory University School of Medicine, Atlanta, GA

**SPR Fellows’ Section Basic Research Award**
Hitesh Deshmukh

1:00* The Microbiota Regulates Neutrophil Homeostasis and Host Resistance To Escherichia coli Sepsis in Neonatal Mice. Hitesh Deshmukh, G. Scott Worthen. Publication 3570.18


1:40 Pentoxifylline for Treatment of Late-Onset Sepsis in Preterm Infants: A Randomized Controlled Trial. Abd Elazeez A. Shabaan, Nehad A. Nasef, Basma U. Shouman, Islam A. Nour, Abeer M. Abd Elhamed, Hesham E. Abdel-Hady. Publication 3570.20


2:20 Group B Streptococci Induce Proinflammatory Responses Via a Protein Kinase D1-Dependent Pathway. Kirtikumar N. Upadhyay, Joong-Eun Park, Young-In Kim, Elizabeth Meals, Ajay J. Talati, B. Keith English, Ae-Kyung Yi. Publication 3570.22

**SPR David G. Nathan Award in Basic Research**
Elizabeth Swanson

2:40* A Combination Glycoprotein B (gB) and pp65 (GP83) Vaccine Against Congenital Cytomegalovirus Infection Using Modified Vaccinia Virus Ankara (MVA): Addition of pp65 To gB Vaccine Reduces Antibody Titers But Both Vaccines Protect Against Congenital Transmission and Disease. Elizabeth C. Swanson, Claudia Fernandez-Alarcon, Jason C. Zabeli, Felix Wussow, Donald J. Diamond, Mark R. Schleiss. Publication 3570.23

1:00pm-3:00pm

**3500A Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology**
Vancouver Convention Centre - East Ballroom A

Please join us for the March of Dimes Prize Lecture by a pioneering scientist whose work has opened new approaches to the prevention and treatment of many intractable neurological disorders, including Rett Syndrome and inherited muscle control disorders.

Dr. Huda Y. Zoghbi, professor at Baylor College of Medicine, discovered that mutations of the X-linked MECP2 cause Rett syndrome. Her genetic studies provided an understanding of the role MeCP2 plays in various neurons and how its dysfunction leads to various neuropsychiatric traits.

Dr. Zoghbi left her native Lebanon in 1976, during that country’s civil war. She transferred from the American University of Beirut to Meharry Medical College in Tennessee. She trained in pediatrics and genetics at Baylor, joined the faculty and has remained for more than three decades.

The March of Dimes Foundation is the leading nonprofit organization for pregnancy and baby health. The March of Dimes Prize in Developmental Biology has been awarded annually since 1996 to investigators whose research has profoundly advanced the science that underlies our understanding of birth defects.

**Rett Syndrome and MECP2 Disorders: From the Clinic to Genes and Neurobiology**

**Huda Y. Zoghbi, M.D.**

Investigator, Howard Hughes Medical Institute
Professor, Departments of Pediatrics, Molecular and Human Neurology, and Neuroscience, Baylor College of Medicine
Director, Jan and Dan Duncan Neurological Research Institute
Texas Children’s Hospital
Houston, Texas

Presented by the March of Dimes Foundation

1:00pm-3:00pm

**3505 Beans and Bones: FGF-23 in Metabolic Bone Disease**
PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Pediatric Nephrologists, geneticists, endocrinologists and translational investigators.

Objectives:
- Become familiar with how FGF23 regulates phosphorus in the kidney
- Identify the salient components of the role FGF23 plays in skeletal physiology and vascular disease
- Update FGF23 regulation in metabolic bone diseases, including in endocrine and chronic kidney conditions

Chairs: Anthony A. Portale, University of California San Francisco, San Francisco, CA, and Rachel I. Gafni, National Institutes of Health, Bethesda, MD

FGF-23 has joined Vitamin D and PTH as a key hormone in the regulation of metabolic bone disorder. As chronic kidney disease worsens, these hormones impact bone mineralization and vascular disease. This session will highlight the basic science and clinical activity of FGF23 and explore how an understanding of its regulation may impact treatment options for metabolic bone diseases including MBD-CKD.

1:00 FGF-23: The Assay and Overview
Rachel I. Gafni, National Institutes of Health, Bethesda, MD
1:15  FGF23 and the Regulation of Phosphorus by the Kidney
Farzana Perwad, UCSF, San Francisco, CA

1:40  FGF23 Activity in Bone Metabolism and Vascular Biology
Katherine Wesseling, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:05  FGF23 in Metabolic Bone Disease of Endocrine Origin
Erik A. Imel, Indiana University School of Medicine and Riley Children’s Hospital, Indianapolis, IN

2:30  FGF23 in the Clinical Management of CKD-MBD
Mary B. Leonard, The Children’s Hospital of Philadelphia, Philadelphia, PA

Jointly sponsored by the American Society of Pediatric Nephrology, Pediatric Endocrine Society, Society for Pediatric Research, Society and the Pediatric Academic Societies. Supported by an unrestricted educational grant from Amgen, Inc. Supported by an unrestricted educational grant from Sanofi-Aventis U.S.

1:00pm-3:00pm

3510  Ethical Challenges Conducting Research in Newborns to Better Define Standard of Care: Lessons from SUPPORT
PAS Hot Topic
Vancouver Convention Centre - West Ballroom B

Target Audience: Clinicians, Junior and Senior Investigators, Pre- and Post-Doctoral Fellows, and undergraduate students interested in learning about the ethical issues related to Neonatal Research and comparative effectiveness research and opportunities to improve the parental permission process and oversight of clinical research.

Objectives:
- Understand the rationale for various study designs, the approach to parental permission, and relevant study outcomes
- Explore the complexities of key judgments about risk necessary for NICU research comparing standard interventions
- Consider how research regulators can maintain public trust and advance quality of care when complex ethical concerns are present

Chairs: Benjamin S. Wilfond, University of Washington, Seattle, WA, and Jonathan Michael Davis, The Floating Hospital for Children at Tufts Medical Center, Boston, MA

The fundamental ethical challenge when clinicians lack evidence to know how best to care for children, is whether research enrollment exposes children to additional risk, preventing them from receiving accepted treatments for which the evidence base is lacking. The SUPPORT Study, which compared different oxygen saturations targets in premature infants was controversial because of a lack of consensus about key issues related to risk, parental permission, and the role of oversight. This session will explore these issues and questions and discuss opportunities to improve the process. How can the approach to parental permission be reconceived to focus on helping parents make decisions consistent with their values and preferences? How can federal regulators solicit stakeholder input to protect the rights and welfare of research subjects and to advance research to improve patient care?

1:00  Opportunities to Improve Research in Children by Conducting Research about the Ethical Concerns Related to Research
Benjamin S. Wilfond, University of Washington, Seattle, WA

1:05  The Challenges of Study Designs to Assess Standard Interventions in the NICU and Implications for Risk Assessment: Lessons from SUPPORT
Waldermar A. Carlo, University of Alabama at Birmingham, Birmingham, AL

1:25  Assessing Risks in Pediatric Research and Clinical Care: Where Does Comparative Effectiveness Research Fit
David Wendler, NIH Clinical Center, Bethesda, MD

1:45  Engaging Families and the Public about Clinical Research
John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

2:05  Enhancing Regulatory Oversight for Challenging Clinical Trials: Lessons from the FDA
Robert Meland Nelson, Food and Drug Administration, Silver Spring, MD

2:25  New Models to Approach Parental Permission in Pediatric Clinical Trials
S. Hirschfeld, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD

2:45  Discussion

1:00pm-3:00pm

3520  Home Safe Home
PAS Mini Course
Vancouver Convention Centre - West 214

Target Audience: Clinicians and policymakers interested in housing and child health

Objectives:
- Identify prevention strategies for 3 common household hazards
- Know how to find and use the new National Housing Standards

Chairs: Lynn Rose Goldman, George Washington University School of Public Health and Health Services, Washington, DC and Ruth Ann Etzel, Joseph J. Zilber School of Public Health, Milwaukee, WI

Housing plays an important and often under-appreciated role in child health. This session will focus on aspects of the home environment that influence the health of the occupants: building conditions such as water damage and mold, exposures to pesticides, cleaning materials, toys, arts and crafts, cosmetics, and pollutants in indoor air. The session will highlight sources of exposure to these hazards in the house, health effects of exposure and methods of avoiding exposure. Newly-released housing standards from the National Center for Healthy Housing and APHA will be described.

1:00  Exposures in the home associated with childhood leukemia and other health
Mark Miller, University of California at San Francisco, CA

1:20  Lead in the Home
Bruce Perrin Lanphear, Simon Fraser University, Vancouver, BC, Canada

1:40  Water Damage and Mold in the Home
Ruth Ann Etzel, Joseph J. Zilber School of Public Health, Milwaukee, WI

2:00  New Housing Standards from the National Center for Healthy Housing & the American Public Health Association
David E. Jacobs, National Center for Healthy Housing, Washington, DC

2:20  Exposure to Pesticides: Effects on Child Health and Development
Catherine Karr, University of Washington, Seattle, WA 2:40

Public Policy to Protect Children

Jointly sponsored by the International Society for Children’s Health and the Environment and the Pediatric Academic Societies

1:00pm-3:00pm

3525  How and When to Treat Posthemorrhagic Ventricular Dilatation: Have We Found the Answer?
PAS Topic Symposium
Vancouver Convention Centre - West 118

Target Audience: Scientists and clinicians at all career stages interested in neonatal brain injury and improving developmental outcomes.

Objectives:
- To understand the mechanisms for development of posthemorrhagic ventricular dilatation (PHVD) after intraventricular hemorrhage (IVH) in the preterm infant
- To identify treatment and timing of intervention to reduce need for ventriculoperitoneal shunt and to improve motor and cognitive outcomes
- To understand long term outcome of preterm infants with PHVD and the possibilities for prediction

Chairs: Seetha Shankaran, Children’s Hospital of Michigan, Detroit, MI, and Terrie E. Inder, Brigham and Womens Hospital, Boston, MA

A severe intraventricular hemorrhage remains one of the most serious complications of very preterm birth and infants with PHVD have high rates of severe motor and cognitive impairment. There is still no agreement about how and when best to treat PHVD. This Symposium will discuss the mechanisms for development of PHVD, the outcome of two randomized controlled trials, and the long-term neurodevelopmental sequelae of PHVD. Finally, novel avenues for prevention of PHVD will be presented.
Target Audience: Scientists and clinicians involved with gastroenterology, nutrition, and health services from Asia and USA.

Objectives:
- Understand the problems of malnutrition in Asia
- Discuss the problems of malnutrition in Asia
- Discuss the future solutions for malnutrition in Asia

Chairs: Tahmeed Ahmed, Centre for Nutrition and Food Security, Dhaka, Bangladesh, and Yoshikazu Ohtsuka, Juntendo University School of Medicine, Tokyo, Japan

Although there has been some reduction in rates of childhood malnutrition, Asia still grapples with very high rates of malnutrition. The absolute numbers of children with malnutrition are much higher in Asia than in all other continents combined. Stunting or chronic malnutrition, wasting or acute malnutrition as well as underweight are common manifestations of malnutrition. Fetal growth restriction is an important cause of malnutrition in subsequent years. Deficiencies of micronutrients are pervasive in Asia and account for a substantial loss in mental and physical productivity as well as gross domestic product. In 2012, the Federation of the Societies of Pediatric Gastroenterology, Hepatology and Nutrition published a report about malnutrition in the world. The malnutrition problems of Asia particularly low birth weight, severe acute malnutrition, stunting, micronutrient deficiencies and overweight and obesity should be discussed in the light of the report for specialists in the ASPR and PAS joint symposium.

1:00  Low Birth Weight: A Major Risk Factor for Child Malnutrition in Asia
George J. Fuchs III, Univ AR for Med Sci and Arkansas Children’s Hospital, Little Rock, AR

1:25  Severe Acute Malnutrition in Asia
Tahmeed Ahmed, Centre for Nutrition and Food Security, Dhaka, Bangladesh

1:50  Overweight and Obesity in Asia
Yoshikazu Ohtsuka, Juntendo University School of Medicine, Tokyo, Japan

2:15  The Burden of Maternal and Child Undernutrition in Asia: Challenges and Opportunities
Zulfiqar A. Bhutta, Aga Khan Universty, Karachi, Pakistan

2:40  Discussion
Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

1:00-3:00pm

3530  Malnutrition in Asia
PAS Topic Symposium
Vancouver Convention Centre - West 220

Chairs: Tahmeed Ahmed, Centre for Nutrition and Food Security, Dhaka, Bangladesh, and Yoshikazu Ohtsuka, Juntendo University School of Medicine, Tokyo, Japan

Although there has been some reduction in rates of childhood malnutrition, Asia still grapples with very high rates of malnutrition. The absolute numbers of children with malnutrition are much higher in Asia than in all other continents combined. Stunting or chronic malnutrition, wasting or acute malnutrition as well as underweight are common manifestations of malnutrition. Fetal growth restriction is an important cause of malnutrition in subsequent years. Deficiencies of micronutrients are pervasive in Asia and account for a substantial loss in mental and physical productivity as well as gross domestic product. In 2012, the Federation of the Societies of Pediatric Gastroenterology, Hepatology and Nutrition published a report about malnutrition in the world. The malnutrition problems of Asia particularly low birth weight, severe acute malnutrition, stunting, micronutrient deficiencies and overweight and obesity should be discussed in the light of the report for specialists in the ASPR and PAS joint symposium.
1:00  The Clinical Competency Committee: Current Perspective and Challenges to Implementation  
Robert J. Vinci, Boston University School of Medicine, Boston, MA

1:15  Faculty Development: Strategies for Preparing Faculty for Successful Integration into a Clinical Competency Committee  
John G. Frohna, University of Wisconsin, Madison, WI

1:40  Strategies to Consider When Formulating a Program-Specific Clinical Competency Committee  
Heather A. Fagan, University of Chicago, Chicago, IL

2:05  The Clinical Competency Committee: Pitfalls and Challenges with Determining a Trainees’ Level of Performance  
Ann Guillot, University of Vermont College of Medicine, Burlington, VT

2:30  Discussion

Jointly sponsored by the Association of Pediatric Program Directors and the Pediatric Academic Societies

1:00pm–3:00pm

3540  Assessment of Ventilatory & Cardiovascular Outcomes
Platform  
Vancouver Convention Centre - Room West 121-122

Chairs: Anna Maria Hibbs, Haresh Kirpalani and Scott Lorch

1:00  Physiologic Effects of Inspiratory Versus Expiratory Tidal Volume Targeting in a Newborn Animal Model.  
Andrea L. Lampland, Angela Brey, Cathy Worwa, Marc C. Mammel.  Publication 3540.1

1:15*  Observational Study Comparing Non-Invasive Respiratory Support To Non-Invasive NAVA in Preterm Infants.  
Philip Y. Cheng, Raymond J. Ward, Gregory P. Heldt.  Publication 3540.2

1:30  Feasibility of Mid-Frequency Ventilation in Infants With Respiratory Distress Syndrome: a Randomized Crossover Pilot Trial.  

1:45  The Effect of Prophylactic CPAP on the Outcomes of Very Low Birth Weight (VLBW) Infants in South America.  
Scott A. Lorch, Jose R. Zubizarreta, Guillermo Marshall, Ivonne D’Apremont, Jose L. Tapia.  Publication 3540.4

2:00  Impact of Repeated Ventilation and Corticosteroid Courses on Neonatal Outcome in Infants With Birth Weights (BW) < 1000g.  
Kevin C. Dysart, Kelcya Fredrickson, Michael Kornhauser, Zubair Aghai, Jay S. Greenspan.  Publication 3540.5

2:15  Pulmonary Function in Extremely Low Birth Weight Infants With Bronchopulmonary Dysplasia Before Hospital Discharge.  
Cindy T. McEvoy, Diane Schilling.  Publication 3540.6

2:30*  Fetal Markers of Severity in Congenital Diaphragmatic Hernia (CDH) Predict Persistence of Neonatal Pulmonary Hypertension (PH).  
Katherine C. Wai, Leslie A. Lusk, Amaya M. Basta, Anita J. Moon-Grady, Roy A. Filly, Roberta L. Keller.  Publication 3540.7

2:45*  Echocardiographic Assessment of Pulmonary Hypertension (PH) Predicts Outcomes in Infants With Congenital Diaphragmatic Hernia (CDH).  
Leslie A. Lusk, Katherine C. Wai, Anita J. Moon-Grady, Roberta L. Keller.  Publication 3540.8

1:00pm–3:00pm

3545  Endocrinology II: Clinical
Platform  
Vancouver Convention Centre - Room West 301-305

Chairs: Carla Demeterco-Berggren and Nancie MacIver

1:00  Hippocampal Neuroanatomy in Young Children With Type 1 Diabetes.  
Daniel X. Peng, Paul Mazaika, Naama Barnea-Goral, Mira Raman, Matthew J. Marzelli, Julie Coffey, Bruce A. Buckingham, Nelly Mauars, Stuart A. Weinzimer, Neil H. White, Tamara Hershey, Katrina J. Ruedy, Craig Kollman, Peiyao Cheng, Allan Reiss.  Publication 3545.1

1:15  High HbA1c Variability Increases Risk for Microalbuminuria in Children With Type 1 Diabetes Mellitus.  
Sripriya Raman, Hongying Dai, Mitchell Barnes, David Williams, Stephen DeLurgio, Mark Clements.  Publication 3545.2

1:30  Changes in Fetal 1,25(OH)D3 (1,25VD3) Synthesis at Fetal 25(OH)D3 Concentrations (F-25VD3) Below an Apparent Sufficiency Value of 18 ng/mL Indicate Optimal Maternal [25VD3] During Pregnancy To Be \( \geq 40 \) ng/mL.  
Samuel H. Pepkowitz, Calvin J. Hobel, Brett Holmquist, Amy R. Lamb.  Publication 3545.3

1:45  Obesity and Timing of Boys Pubertal Development.  
Joyce M. Lee, Richard Wasserman, Niko Kacirothi, Acham Gebremariam, Jennifer Steffes, Steven Dowshen, Donna Harris, Janet Serwint, Dianna Abney, Lynn Smithmier, Edward Reiter, Marcia E. Herman-Giddens.  Publication 3545.4

2:00  Independent Associations between Visceral Adipose Tissue, Liver Fat and Insulin Sensitivity in Obese Adolescents.  
SooJung Lee, Ruth E. Brown, Ingrid Libman, Michelle Rivera-Vega, Jennifer L. Kuk.  Publication 3545.5

2:15  Follow-Up (FU) of Dysglycemia in Obese Adolescents.  
Kathy Love-Osborne, Kristen Nadeau, Jeanelle Sheeder, Phil Zeitler.  Publication 3545.6

2:30*  Hypertension in Children With Congenital Adrenal Hyperplasia.  
Nadia Maccabe-Ryaboy, William Thomas, Jennifer Kyllol, Aida Leitf, Maria Theresa-Gonzalez, Kyrriakie Sarafoglou.  Publication 3545.7

2:45*  Can Clinical Characteristics Differentiate Malignant from Benign Thyroid Nodules in Children and Adolescents?  
Melissa A. Buryk, Jeffrey P. Simons, Judith Joyce, Nursem Gurtunca, Jennifer Picarsic, Sara E. Monaco, Selma F. Witchel.  Publication 3545.8

1:00pm–2:45pm

3550  Global Pediatric Research: Infection / Inflammation
Platform  
Vancouver Convention Centre - Room West 109

Chairs: Edward Liechty and Judith Palfrey

1:00  Green Banana in the Home Management of Acute and Prolonged Diarrhea in Children: A Randomized Controlled Field Trial in Bangladesh.  
Charles P. Larson.  Publication 3550.1

1:15  Impact of Maternal Antiretroviral Treatment (ART) for Prevention of Mother-to-Child Transmission of HIV on Transplacental Transfer of H. influenzae Type B and Pneumococcal Antibodies.  
Janna C. Patterson, Kenneth Tapia, Michael Chung, Grace John-Stewart.  Publication 3550.2

1:30*  Chlamydia and Gonorrhea in HIV-Infected Pregnant Women and Infant HIV Transmission in NICHD HPTN 040.  

1:45*  Can Digital Chest Auscultation Improve the Specificity of Pneumonia Diagnosis in Children in Nepal?  
Carolyn Srafford, Sudha Basnet, Laxman Shrestha, Shrijana Shrestha, Imran Ansari, Subarna Khatry, Joanne Katz, James Tielsch.  Publication 3550.4

1:00pm–3:00pm
2:30  APA Global Health Research Award: Change in Haemoglobin Concentration of Children With Severe Anaemia at Mulago Hospital: A Prospective Study. Ruth Namazzi.  Publication 3550.7

1:00pm - 3:00pm

3555  Human Milk Platform Vancouver Convention Centre - Room West 110

Chairs: Richard Ehrenkranz and Richard Schanler

1:00*  Effects of Maternal Obesity on Breastmilk Composition and Infant Growth. P.G. Panagos, M.R. Nirupa, S. Sen.  Publication 3555.1


1:30  Fortification of Breast Milk in VLBW Infants: Ready To Feed Liquid or " Should Not Feed" Powder? Jonathan Whitfield, Shelley Blakeney, Heather Hendrikson, Sapna Punjabi Gupta, Jennifer Seale, Monica Bennett, Veeral Tolia.  Publication 3555.3

1:45  Effect of Gestational Age and Lactation Stage on Metabolite and Fatty Acid Profiles of Human Milk. Eimear Downey, Ulrik K. Sundekilde, Elena Guerra, James A. O'Mahony, Maria F. Caboni, Lotte Bach B. Larsen, Carol-Anne O'Shea, Cornelius A. Ryan, Alan Kelly.  Publication 3555.4

2:00  Improving Maternal Milk Feeding in Very Low Birth Weight Infants. Paula M. Sisk, Mario A. Rojas.  Publication 3555.5

2:15  A State-Wide Initiative To Improve Nutritional Practices for Infants < 31 Weeks Gestation Treated at NYS Regional Perinatal Centers (RPCs) Reduces the Incidence of Postnatal Growth Restriction. Timothy P. Stevens, Eileen Shields, Deborah Campbell, Adriann Combs, Michael Horgan, Edmund Lagamma, KuangNan Xiong, Marilyn Kacica.  Publication 3555.6

2:30*  Growth and Early Neurodevelopmental Outcomes in Extremely Low Birth Weight Infants Fed Donor Breast Milk. Laura S. Madore, T. Jumani, A. Dengos, H. Prague, S. Sen.  Publication 3555.7

2:45  Human Milk Intake in Preterm Infants and Neurodevelopment at 18 Months. Talia Jacobi-Polishook, Mandy Belfort, Carmel Collins, Thomas Sullivan, Matthew W. Gillman, Robert Gibson, Maria Makrides.  Publication 3555.8

1:00pm - 3:00pm

3560  Immunizations Delivery Platform Vancouver Convention Centre - Room East 12

Chairs: Kevin Dombkowski, Kristen Feemster and Simon Hambidge

1:00  FluText: Pragmatic Trial of Health Literacy Related Text Message Reminders To Increase Receipt of Second Dose of Influenza Vaccine for Low Income, Urban Children. Melissa S. Stockwell, Annika Hofstetter, Nathalie DuRivage, Angelita Barrett, Nadira Fernandez, Stewin Camargo.  Publication 3560.1


2:00  Adolescent Influenza Vaccination Reminders Using Email. Kevin J. Dombkowski, Bailey M. Waterman, Amanda F. Dempsey.  Publication 3560.4

2:15  Do Point-of-Care (POC) Prompts Increase Adolescent Immunization Coverage? A Randomized Controlled Trial. Sharon Humistion, Peter Szilagyi, Janet Serwint, Aaron Blumkin, Phyllis Vincelli, Nui Dhepyaswan, Cynthia Rand, Stanley Schaffer, Robin Curtis.  Publication 3560.5


2:45  DEVISE: Data Exchange of Vaccine Information between an IIS and EHR. Melissa S. Stockwell, Karthik Natarajan, Rajasekhar Ramakrishnan, Stephen Holleran, David Vawdrey.  Publication 3560.7

2:00pm - 3:00pm

3565  Nephrology: Basic Science Platform Vancouver Convention Centre - Room West 212-213

Chairs: Jennifer Charlton and Douglas Matsell

1:00  Opposing Impact of B Cell Intrinsic TLR7 and TLR9 Signals on Autoantibody Repertoire and Lupus Nephritis Pathogenesis. Shaun Jackson, Nicole Scharping, Nikita Kolhatkar, Charles Alpers, David Rawlings.  Publication 3565.1

1:15*  Dual Loss of Par-1a/b Proteins Alters Notch Signaling and Disrupts Proximal Tubular Epithelial Cell Polarity in Murine Kidneys. Oleh Akchurin, Nadira Ramkellawan, Zhongfang Du, James Pullman, Anne Muesch, Katalin Szurzak, Kimberly Reidy.  Publication 3565.2

1:30*  Osteopontin Null Mice Exposed To a High Phosphate Diet Develop Uremia and Vascular Calcification. Neil J. Palooian, Elizabeth M. Leaf, Cecilia M. Giachelli.  Publication 3565.3

1:45*  Frs2a Mediated Fgfr Receptor Signaling Is Required in Nephron Progenitors. Valeria Di Giovanni, Sunder Sims-Lucas, Daniel Bushnell, Caitlin Schaefer, Carlton M. Bates.  Publication 3565.4

2:00  Loss-of-Function of ARHGDA Leads To Hyperactivation of Rac1 and Nephrotic Syndrome. Indra R. Gupta, Richard Robins, David Auguste, Lamine Aoudjit, Cindy Baldwin, Jasmine El Andalousi, Tomoko Takano.  Publication 3565.5

2:15  DLG1 and CASK Deficiency Results in Glomerulocyst Formation and Proteinuria. Sun-Young Ahn, Yeawon Kim, Jeffrey Miner.  Publication 3565.6


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**Daily Programming**

**3600  Academic Pediatric Association Presidential Plenary and Armstrong Lecture**
Vancouver Convention Centre – West Ballroom A

**3615A Advances in Recognition and Management of Multiple Endocrine Neoplasia**
PES Topic Symposium
Vancouver Convention Centre – West 212-213

**3620 Every Newborn Part 2: PAS Launch of Every Newborn**
PAS State of the Art Plenary
Vancouver Convention Centre – East Ballroom A

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**1:30pm-5:15pm**

**3600 Academic Pediatric Association Presidential Plenary and Armstrong Lecture**

**David Keller**
President
Academic Pediatric Association

Moderator: Mark Schuster, President Elect, Academic Pediatric Association, Harvard Medical School, Boston Children's Hospital, Boston, MA

**1:30 Highest Cost Patients In Children’s Hospitals In 2009: Where Are They Now?**
Alon Peltz, David Rubin, John Neff, Mark Brittan, Matt Hall, Kenneth Mandl, Eyal Cohen, David Hall, Dennis Kuo, Rishi Agrawal, and Jay Berry.

**1:45 Texting, Talking, and Driving: An Observational Survey of Cellular Phone Use among Drivers**
Beth E. Ebel, Annie P. Kirk, Amy Freedheim, Laura Hitchcock, Laura Blanar, Jennifer D. Maeser, Qian Qiu, and Robert Kaufman

**2:00 Neighborhood Housing Code Violation Density is Associated with a Patient’s Risk of Asthma Reutilization**
Andrew F. Beck, Bin Huang and Robert S. Kahn.

**2:15 What Learning Goals Do Residents Develop?**

**2:30 President’s Address: Policy, Politics and Procedure: Our Role in Building Systems that Improve the Health of Children**
David Keller, President, Academic Pediatric Association, Professor, Department of Pediatrics, University of Colorado School of Medicine, Vice Chair of Clinical Affairs and Clinical Transformation, Children’s Hospital Colorado, Aurora, CO

**3:00 Break**

**3:15 APA Health Care Delivery Award: Presented by Jane Knapp to The Department of Pediatrics at Boston Medical Center/Boston University School of Medicine. Program Director, Barry Zuckerman.**

**3:30 APA Research Award: Presented by Cynthia Minkovitz to Alejandro Hoberman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine**

**3:45 Violent Deaths in Children: Opportunities for Prevention at a Children’s Hospital**
Terra Frazier, Denise Dowd, Monica Nielsen, and James Anderst

**4:00 The I-PASS Handoff Study: Effects of Implementing a Multi-site Handoff Bundle on Rates of Medical Errors, Preventable Adverse Events, and Miscommunications**
Amy Starmer and I-PASS Group

**4:15 Can Brief Motivational Interviewing in Practice Reduce Child Body Mass Index? Results of a 2-year Randomized Controlled Trial**
K. Resnicow

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**4:30 Addressing the Social Determinants of Health at Well-Child Care Visits: A Cluster RCT**
Arvin Garg, Sarah Toy, Yorghos Tripodis, and Elmer Freeman

**4:45 Armstrong Lecture: OUTSIDE LOOKING IN, INSIDE LOOKING OUT: Expanding the concept of health**
Karen Hein, MD, Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth, Member, Vermont Green Mountain Care Board

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

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**3:30pm-5:30pm**

**3615A Advances in Recognition and Management of Multiple Endocrine Neoplasia**

Target Audience: Academic general pediatrics, pediatric endocrinologists, pediatric oncologists.

Objectives:
- Understand recent advancements in RET genetics and implications for management as part of MEN2
- Understand current recommendations for screening, monitoring, and treatment of MEN1
- Recall rare endocrine neoplasias that exist beyond classic MEN syndromes

Chairs: Kurt Joseph Griffin, Sanford Health, Sioux Falls, SD, and Steven G. Waguespack, University of Texas M.D. Anderson Cancer Center, Houston, TX

Advances in genetic diagnosis and understanding has brought increased recognition of the spectrum of disease observed in multiple endocrine neoplasia syndromes. Providers need to be aware of advances in screening criteria and testing protocols along with treatment considerations for these rare yet potentially lethal diagnoses. This symposium will update the various components of these syndromes with an emphasis on the implications of increased genotype-phenotype correlations, whom and when to screen, and monitoring of children with known mutations.

**3:30 RET Revisited: Diagnosis, Prognosis and Therapeutic Targeting in an Expanding Oncogenic Portfolio**
Louise Mulligan

**4:10 The Phenotypic Array of Menin Mutations: Implications for Screening and Treatment**
Karell Pacak, NIH, Bethesda, MD

**4:50 Multiple Endocrine Tumor Syndromes beyond MEN**
Maya Lodish, NICHD, NIH, Bethesda, MD

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**3:30pm-5:30pm**

**3620 Every Newborn Part 2: PAS Launch of Every Newborn**

Chair: William J. Keenan, Saint Louis University, St Louis, MO and Mickey Chopra

This the second part of a two part series on the Every Newborn Action Plan. Dr Kim Dickson of UNICEF will present multi-country analyses on the status of newborn are, and the key bottlenecks, of which the most important is skilled workers who can look after small and sick newborns. Dr Mickey Chopra and Dr Kim Dickson of UNICEF and leaders for newborn and child survival, including IPA and regional pediatric associations from global, regional and national level will discuss what is working, and what needs to be done differently, and how to build a lasting movement to ensure we reach every newborn.

**1:00 Every Newborn: Accelerating Access to Care in All Countries**
Kim Dickson

**1:30 Innovations to Enable Scaling Up Care to Reach Every Newborn, Including Simplified Antibiotics**
Vinod Paul

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*First Author is Trainee (fellow, house officer or student)
3:30pm-5:30pm

3630A Predicting Neurological Outcomes of Extremely Low Gestational Age Neonates (ELGANs) is routine in neonatal medicine, for example during antenatal counselling, the NICU stay and at follow-up. Neurological outcomes are predicted for several reasons: (1) to focus follow-up programs, (2) to select babies for early intervention, (3) for quality control, (4) to counsel parents and/or prepare them for the future, or (5) to better understand the effects of prematurity on the brain (research). Predictions are facilitated by using specific clinical variables, neurologic investigations, or infant developmental assessments. Socio-economic variables and parental coping strategies also influence the outcomes of ELGANs. Classifying disability has essentially been done by physicians, not by parents or children / patients. The positive (PPV) and negative (NPV) predictive values, strengths and limitations of various methods used to predict disability in ELGANs will be reviewed, as well as the potential impact of these predictions on parents, patients and families.

Target Audience: Scientist and clinicians involved in the care of extremely preterm infants.

Objectives:
- Review the indications of different investigations used to predict neurological outcomes in preterm infants
- Present the strengths and limitations (PPV and NPV) of various methods used to predict disability in ELGANs
- Discuss the ethical dimension of predictive medicine and the potential impact of neurological predictions on parents, patients and families

Chair: Annie Janvier, University of Montreal, Montreal, QC, Canada, and Thomas Michael O’Shea, Wake Forest School of Medicine, Winston-Salem, NC

3:30pm-5:30pm

3632A Stimulants, Steroids and Sweat Chlorides: Statural Growth in 3 Common Pediatric Conditions

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, adolescent medicine specialists, pulmonologists, rheumatologists.

Objectives:
- Discuss impact of ADHD and stimulant therapy on growth and adult height
- Recall data associated with glucocorticoid induced growth impairment and learn strategies to minimize these effects
- Describe growth outcomes in cystic fibrosis and effectiveness of anabolic agents on growth, puberty and quality of life

Chairs: Bradley S. Miller, University of Minnesota Amplatz Childrens Hospital, Minneapolis, MN, and Dorothy I. Shulman, University of South Florida, Tampa, FL

Chair: Annie Janvier, University of Montreal, Montreal, QC, Canada
Impact on growth and adult height are important outcomes to consider in the management of any chronic pediatric condition. The following symposium will address current knowledge on outcomes and interventions related to growth in children with ADHD with and without stimulant therapy, children who require chronic glucocorticoid therapy, and children with cystic fibrosis.

3:30 Does ADHD or It's Treatment Affect Growth and Adult Height?
A Psychologist’s Viewpoint
James Swanson, University of California, Irvine, Irvine, CA

4:10 Growth Effects of Airway Glucocorticoids: Still an Issue after All of These Years
David B. Allen, University of Wisconsin School of Medicine and Public Health, Madison, WI

4:50 Use of Anabolic Agents in Cystic Fibrosis: Effects on Growth, Puberty and Quality of Life. Where Are We Now?
Michael S. Stalvey, University of Alabama School of Medicine, Birmingham, AL

3:30pm-5:30pm

3635 Striking at the Root Causes of Chronic Disease in Children
PAS Topic Symposium
Vancouver Convention Centre – West 214

Target Audience: Scientists and clinicians involved and interested in prevention and environmental determinants of health—including pollutants & toxins, tobacco & alcohol, firearms, marketing and calorie-dense food.

Objectives:
- List regulations for environmental hazards that are unduly influenced by multinational corporations
- List risk factors for chronic disease in children that are promoted by deceptive marketing practices
- Summarize ways to reduce deceptive marketing practices and the excessive influence of corporations on regulations that promote chronic diseases

Chairs: Bruce Perrin Lanphear, Simon Fraser University, Vancouver, BC, Canada, and James D. Sargent, Geisel School of Medicine, Lebanon, NH

There is mounting evidence that some of the leading risk factors for death (injury, suicide and homicide) and chronic disease (asthma, ADHD, obesity, diabetes and preterm birth) experienced by children in the 21st century are due to consumption of unhealthy consumer products, the built environment, and exposure to guns and environmental toxicants. Moreover, the effects of many of these environmental hazards, which are entirely preventable, persist into adulthood, causing premature deaths from heart disease, cancer, diabetes, and lung disease. It is also becoming clear that our traditional focus on lifestyle choices and anticipatory guidance is insufficient to protect children from these hazards. We must also constrain large, multinational corporations from deceptive marketing of unhealthy consumer products and exerting undue influence on our regulatory systems. This symposium brings together leaders to identify common attributes of these hazards and discuss potential solutions.

3:30 Striking at the Root Causes of Chronic Disease in Children
Bruce Perrin Lanphear, Simon Fraser University, Vancouver, BC, Canada

3:45 Childhood under Siege: How Big BusinessTargets Children for Profit
Joel Bakan, University of British Columbia, Vancouver, BC, Canada

4:05 Industry Tactics to Promote Alcohol, Tobacco and Firearms
James D. Sargent, Geisel School of Medicine, Lebanon, NH

4:25 The Food Industry and the End of Overeating
David Aaron Kessler, University of California San Francisco, San Francisco, CA

Jointly sponsored by the International Society for Children’s Health and the Environment and the Pediatric Academic Societies

4:30 Puberty and Quality of Life: Where Are We Now?
Michael S. Stalvey, University of Alabama School of Medicine, Birmingham, AL

4:50 Use of Anabolic Agents in Cystic Fibrosis: Effects on Growth, Puberty and Quality of Life. Where Are We Now?
Michael S. Stalvey, University of Alabama School of Medicine, Birmingham, AL

3:30pm-5:30pm

3640 The Promise of Pharmacogenomics in Child Health
PAS Topic Symposium
Vancouver Convention Centre – West 306

Target Audience: Scientists and clinicians involved with the care of children. This work crosses all medical disciplines that use drug therapy to manage patients.

The topics of this symposium will also appeal broadly to scientists and clinicians involved in clinical care, genetics, clinical pharmacology, oncology, hematology.

Objectives:
- Describe the utility of pharmacogenomics in the acute and chronic care of children with selected hematological and oncological disorders
- Summarize the development of phenotype-genotype relationship of drug metabolizing enzymes
- Describe the strengths and limitations of using pharmacogenomics to assess risk of chemotherapy toxicities and warfarin disposition in children

Chairs: Shinya Ito, Hospital for Sick Children, Toronto, ON, Canada, and Bruce C. Carleton, British Columbia Children’s Hospital, Vancouver, BC, Canada

A crucial determinant of drug response variability is the significant variability in genes that modulate drug metabolism. In terms of drug effectiveness, most drugs are only effective in 25-60% of patients. In terms of safety, 7-12% of hospital admissions are caused by serious adverse drug reactions (ADRs). Emerging pharmacogenomic data which link individual differences in drug responses to gene variants are transforming conventional clinical practice into pharmacogenomics-based personalized medicine. For example, averting a risk of serious ADRs by avoiding certain drugs, or selecting rational doses, based on a susceptibility gene profile of the patient is becoming a standard of care particularly in adults. Although infants and children are also expected to benefit from the pharmacogenomics-based personalized medicine approach, challenges exist due to factors such as their developmental profiles of gene expression. This symposium will highlight progress in pharmacogenomics in pediatrics, including the best clinical practice for selected gene-drug combinations.

3:30 Introduction
Bruce C. Carleton, British Columbia Children’s Hospital, Vancouver, BC, Canada

3:40 Pediatric Pharmacogenomics: Time for Implementation in Hematology and Oncology
Bruce C. Carleton, British Columbia Children’s Hospital, Vancouver, BC, Canada

4:05 Does a Genotype Predict a Phenotype in Pediatric Drug Therapy?
Shinya Ito, Hospital for Sick Children, Toronto, ON, Canada

4:30 Role of Pharmacogenomics in Doxorubicin Cardiotoxicity
Daniel Bernstein, Stanford University, Palo Alto, CA

4:55 Pharmacogenomics of Warfarin Response in Children
Richard H. Ho, Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN

5:20 Discussion

3:30pm-5:30pm

3645 Vesicoureteral Reflux and UTIs, Is There Anything New?
PAS Topic Symposium
Vancouver Convention Centre – West 220


Objectives:
- Discuss current guidelines for the management of UTI
- Highlight genetic risk factors for VUR and UTI
- Highlight areas for future investigation in VUR and UTI

Chairs: John Spencer, Nationwide Children’s Hospital, Columbus, OH, and Marva M. Moxey-Mims, NIH/NIDDK/DKUH, Bethesda, MD
The management of UTIs and VUR is challenging secondary to conflicting evidence in the literature. Current management guidelines will be discussed. Research findings designed to increase our understanding of the underlying mechanisms and clarify management strategies will be presented.

3:30  Current Guidelines on the Management of UTI
Tej Matoo, Children’s Hospital of Michigan, Wayne State University, Detroit, MI

3:55  In Defense of the Urinary Tract: Innate Mechanisms for Maintaining Sterility
David Sullivan Hains, Nationwide Children’s Hospital, Ohio State University, Columbus, OH

4:20  Genetics of VUR
Rasheed Gbadegesin, Duke University Medical Center, Durham, NC

4:45  Interplay between Vesico-Ureteric Reflux and Kidney Infection in the Development of Reflux Nephropathy
Indra R. Gupta, Research Institute of the McGill University Health Center, Montreal, QC, Canada

3:30–5:30pm  Allergy & Immunology & Rheumatology
Vancouver Convention Centre - Room East 8

Chairs: Rebecca Buckley and Nora Singer

3:30  Upregulation of Non-Coding RNA GASS and Glucocorticoid Receptor Correlates With Thymic Apoptosis in New Born Rats Rendered Intratruncural Growth Restricted.
Qi Fu, Xing Yu, Christopher C. Callaway, Robert H. Lane, Amber V. Majnik.

3:45*  In Vitro Modeling of Neonatal Dendritic Cells Identifies Distinct Synergy Between Toll-Like Receptor and C-Type Lectin Receptor Agonists.

4:00*  Regulatory T Cells in Human Cord Blood of Preterm and Term Infants.
Yuko Hayashi, Yoshiko Asakura, Shoko Matsushita, Mikiya Endo, Shoichi Chida.


3:30–5:30pm  Biomarkers & Clinical Outcomes in Pediatric Critical Care
Vancouver Convention Centre - Room West 223-224

Chairs: James Fortenberry and John McGuire

3:30  Rapid Microfluidic Immunophenotype Assay To Monitor Immune Function in Critically Ill Children.
Walker M. McHugh, Jaming Fu, Katsuo Kurabayashi, Thomas P. Shanley, Timothy T. Cornell.

3:45  Thromboelastography Detects a High Incidence of Hypercoagulability in Pediatric Severe Sepsis.
John C. Lin, Jennifer S. Jaffe, Philip C. Spinella.

4:00*  Increased Serum Biomarkers of Inflammation and Apoptosis Are Associated With Outcome in Pediatric Cardiac Arrest Patients.
Jenny S. Mendelson, Emin Fidan, Hulya Bayir, Patrick M. Koczenek, Ericka L. Fink.

4:15  Not All AKI Is Created Equal! Biomarker Panels Identify AKI Phenotypes.
Rajit K. Basu, Catherine D. Krawczeski, Derek Wheeler, Hector R. Wong, Lakshmir Chawla, Stuart L. Goldstein.

David Selewski, Geoffrey Fleming, David Askkenazi, Brian Bridges, David Cooper, Mark Verway, Matthew Padon, Michael Zappitelli.

4:45  Pilot Results of the eASSIST Study: Prospective Application of an Electronically Integrated Pediatric Severe Sepsis Screening Algorithm for Adolescent Patients.
Samir H. Shah, Kimberley Giles, Sara Warhurst, Amy Guynn, Brian Williams, Peter Mangubat, William N. May, Kanwaljeet S. Anand.

5:00  ECMO Use and Outcomes in Neonates and Children With Trisomy 21:29 Years of International Experience from the ELSO Registry.

5:15*  Evaluation of the New CDC’s Surveillance Definitions for Complications of Mechanical Ventilation in a Pediatric Intensive Care Unit.
Siriporn Phongjistsiri, Satid Thammasitboon, Jorge Coss-Bu, Curtis Kennedy, Jaime Silva, Jeanine Graf.

3:30–5:30pm  Gastroenterology / Hepatology
Vancouver Convention Centre - Room West 121-122

Chairs: Patricia Denning and Julie Khlevner

3:30  Relation between Nonalcoholic Fatty Liver Disease and Metabolic Syndrome in Overweight and Obese Pediatric Patients: A Single Center Experience.
Haamid Chamdawala, Sarah E. Fleet, Faith Dorsey, John Rausch, Joel Lavine, Nadia Ovchinsky.

3:45*  Par-1a/b Proteins Contribute To Bile Duct Formation in Mouse Liver.
Nadira Ramkellawan, Oleh M. Akchurin, Zhongfang Du, Anne Muesch, Kimberly J. Reidy.

4:00*  Hepatic Macrophage-Derived IL11 Suppresses Hepatocyte Sterol Export (Abcg5/8) To Cause Hepatic Phytosterol Accumulation and Cholestasis in a Parenteral Nutrition Mouse Model.
Padade M. Vue, Aimee L. Anderson, Michael W. Devereaux, Natarajan Balasubramaniyan, Frederick J. Suchy, Ronald J. Sokol, Karim C. El Kasmi.


5:00* The Effect of Food Additives and Bacterial antigens upon an In Vitro Model of Intestinal Inflammation. Michaline Edelman, Leahana Rowehl, Anupama Chaval, Grace Gathungu.


3:30pm - 5:30pm

3665 Lung Injury & Novel Targeted Therapies

3:30 In Utero Exposure To Maternal High Fat Diet Increases Fetal Lung Inflammation Impairing Lung Development. Reina S. Mayor, Brenna Hill, Jordan Zehr, Michael Neinast, Eugenia Morselli, Vivek Lal, Lisa Hahnner, Rashmin Savani, Deborah Clegg. Publication 3665.1

3:45 Conditional Deletion of Liver Cytochrome P450 Reductase (CPR) Gene in Mice Leads To Increased Susceptibility To Hyperoxic Lung Injury In Vivo. Bhagavatula Moorthy, Lihua Wang, Xanthis Couroucli, Krithika Lingapan, Weipu Jiang. Publication 3665.2

4:00 Reduced Thymocyte Development and Proliferation in Neonatal Mice Exposed To Hyperoxia. Sowmya Angusamy, Tamer Mansour, Julia Bruckner, John LaPresta, Brian Schutte, Said Omar. Publication 3665.3


4:30 Intratracheal Transplantation of Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells Simultaneously Attenuates Both Lung and Brain Injuries in the Hyperoxic Newborn Rats. Young Eun Kim, So Yoon Ahn, Hee Jin Kim, Ye Rim Park, So Yun Choo, Dong Kyung Sung, Se In Sung, Hye Soo Yoo, Yun Sil Chang, Won Il Oh, Won Soon Park.

4:45 Paracrine Effect of Mesenchymal Stromal Cells on Ventilation Induced Lung Injury in Neonatal Mice. Lannaee Strebbe, Megan O’Reilly, Marius Mobius, Farah Eaton, Moses Fung, Bernard Thebault. Publication 3665.5

5:00* Elafin Inhibits Elastase Activity, Preserves Epithelial Growth Factor (EGF) Signaling and Prevents Apoptosis in Lungs of Mechanically Ventilated Newborn Mice. Miguel Alcalzar, Mark Kaschwich, Stefanie Preuss, Sana Mujahid, Robert Ertse, Marlene Rabinovitch, Richard Bland.


3:30pm - 5:30pm

3670 Neonatal Follow Up: Neurodevelopment

3:30 Late Preterm Children Demonstrate Altered Brain Function and Structure at School Age. Jane E. Brumbaugh, Amy L. Conrad, Eric D. Axelson, Peggy C. Nopoulos. Publication 3670.1

3:45 Infant Neurodevelopmental Outcomes Following Late and Moderately Preterm Birth: A Population-Based Cohort Study. Samantha Johnson, Elizabeth S. Draper, Alun Evans, David Field, Bradley N. Manktelow, Neil Marlow, Lucy K. Smith, Elaine M. Boyle. Publication 3670.2

4:00 Cognitive Profile of Very Preterm and/or Very Low Birth Weight Born Adults: the Bavarian Longitudinal Study. Dieter Wolke, Sana Eryigit-Madzwamuse, Nicole Baumann, Julia Jaekel, Peter Bartmann. Publication 3670.3


4:45* Microbial Invasion of the Amniotic Cavity Is Associated With Impaired Cognitive and Motor Function at School Age in Children Born Preterm. Anna Thorell, Panagiotis Tsiartas, Henrik Hagberg, John Chaplin, Bo Jacobsson, Karin Savman. Publication 3670.6


3:30pm - 5:30pm

3675 Neonatal Seizures


3:45* EEG Power Predicts Seizures in the First 24 Hours in Neonatal Hypoxic Ischemic Encephalopathy Treated With Hypothermia. Siddharth Jain, Amit Mathur, Preethi Srinivasakumar, John Zempel. Publication 3675.2

4:00* Reduction in EEG Amplitude and Propagation of Neonatal Seizures after Phenobarbitone May Explain Electroclinical Dissociation. Sean Matheson, Vicki Livingstone, E CYonne Low, Janet Rennie, Ronit Pressler, Geraldine Boylan. Publication 3675.3

4:15* Neonatal Seizure Incidence in a Tertiary Care NICU With a Neurocritical Care Service. Patrick Mabray, Mahaika Cordeiro, Theresa M. Czech, An N. Massaro, Taeun Chang. Publication 3675.4
3:30p–5:30p

3680 Pediatric Nutrition
Platform Vancouver Convention Centre - Room West 119-120

Chairs: Jason Mendoza and Ekhard Ziegler

3:30* Protein-Energy Undernutrition Induces Striking and Persistent Changes To The Neonate Mouse Metabolome and Intestinal Microbiome. Geoffrey A. Preidis, Mignon A. Keaton, Philippe M. Campeau, Brooke C. Bessard, Margaret E. Conner, Joseph F. Petrosino, Peter J. Hotez. Publication 3680.1

3:45 Fasting-Induced Hypoleptinemia Leads To Epigenetic Modifications and Alterations in T Cell Differentiation That Suppress Immunity. Donte Saucillo, Nancie MacIver. Publication 3680.2

4:00 Galactose in Milk Lactose Maintains Lower Insulin and Glucose During Repeated Feeding Than Glucose or Sucrose Syrups. Sheila M. Innis, Elizabeth M. Novak, Betina Rasmussen. Publication 3680.3

4:15 Maternal DHA Supplementation Ameliorates IUGR-Induced Decreased Hippocampal PPAR, Sirt6 and Wnt3a in Male Juvenile Rats. X. Ke, B. Xing, B. Yu, A. Majnik, R. Lane, L. Joss-Moor. Publication 3680.4

4:30 The Relation of Human Milk Lutein, Choline, and Docosahexaenoic Acid Content To Recognition Memory Abilities of 6-Month-Old Breastfed Infants. Carol L. Cheatham, Julie M. Stegall, Kelly W. Sheppard, Andrea L. Armer, Grace A. Millsap, Susan M. Wernimont, Steven H. Zeisel. Publication 3680.5

4:45* Cognitive Performance of Children 5-6 Years of Age Is Associated With Children’s Docosahexaenoic Acid (DHA), but Not Dietary DHA or Maternal DHA in Pregnancy. Kelly A. Mulder, Sheila M. Innis, Kelly J. Richardson. Publication 3680.6

5:00* Administration of Iron-Replete Lactoferrin To Pre-Weaning Mice Increases Liver Hepcidin Expression. Jeffrey A. Cooper, Elif Memisoglu, Princy Prasad, YiHang Li, Robert E. Fleming. Publication 3680.7

5:15 Differential Effects of Pre- vs. Postnatal Iron Deficiency (ID) on Learning and Neurocognitive Functions in 9-Month-Old Infants. Rosa Angulo-Barroso, Lin Xu, Mingyan Li, Abid Erdem, Julie Sturza, Blair Richards, J.A. Beslow. Publication 3680.8

3:30p–5:30p

3685 Prevention & Health Services
Platform Vancouver Convention Centre - Room East 11

Chairs: Paula Cody and Megan Moreno

3:30 Proactive Parents of Teens: Prepare, Preempt, and Prevent. Vaughn I. Rickert, Amy L. Gilbert, Matthew C. Aalisma. Publication 3685.1

3:45 Are Young Adults Using the Emergency Room for Non-Urgent Reasons? Josephine S. Lau, Charles E. Irwin, Jr, W. John Boscardin, Sally H. Adams. Publication 3685.2

4:00* Willingness To Use an AED During SCA in Community Youth Sports: Simple Education Removes Barriers. Andrew J. Greubel, Janet Lioy, Scott A. Lorch. Publication 3685.3

4:15 Challenges To Adolescent Confidentiality With Family-Centered Rounds in a Children’s Hospital. Hina J. Talib, Sari Bentsianov, Ellen J. Silver, Elizabeth M. Alderman. Publication 3685.4


4:45 Associations Between Health Care Transition Planning and Transition Readiness Among Youth With Cystic Fibrosis. Gregory Sawicki, Olyn Andrade, David Wood, Mark Schuster. Publication 3685.6

5:00 Reproductive Coercion Among Adolescent Females Seeking Care at School-Based Health Centers. Heather L. McCauley, Rebecca Dick, Kelley Jones, Sandi Goldstein, Daniel J. Tancredi, Johanna Jetton, Jay G. Silverman, Samantha Blackburn, Lisa James, Elizabeth Miller. Publication 3685.7

5:15* Too Young To Choose? Sex and Consent in Adolescents. Karina A. Reynolds, Catherine D. Shubkin. Publication 3685.8

3:30p–5:30p

3690 Pulmonary Hypertension
Platform Vancouver Convention Centre - Room West Ballroom B

Chairs: Leif Nelin and Lawrence Rhein

3:30* A Novel Role for Alpha-Fetoprotein in Promoting Pulmonary Endothelial Proliferation and Migration in the Early Alveolar Lung. Elizabeth Foley, Cristiana Hasted, Cristina M. Alvira. Publication 3690.1

3:45* Impact of Sex Hormones on Bone Morphogenetic Protein Signaling in Pulmonary Artery Differed between Testosterone and Estrogen. Hiroaki Ichimori, Kumihiro Takahashi, Ryota Higeno, Hiroki Baden, Nobutoshi Nawa, Shigeto Kogaki, Keiichiro Ozono. Publication 3690.2

4:00 Impaired Pulmonary and Systemic Artery Vasoreactivity in a Model of Intrathecal Growth Restriction in Fetal Sheep. R. Blair Dodson, Paul J. Rozance, Gregory Seedorf, Steven H. Abman. Publication 3690.3

4:15 AMPK Activation Is Required for Hypoxia-Induced Angiogenesis Expression and Proliferation of Human Pulmonary Artery Smooth Muscle Cells. Bernadette Chen, Jianjing Xue, Leif Nelin. Publication 3690.4

4:30* Hypoxia-Induced Pulmonary Hypertension Is Not Worse in Heterozygous SOD2 Mice. Anita Gupta, Keng Jin Lee, Joann M. Taylor, Gina A. Kim, Paul T. Schumacker, Kathryn N. Farrow. Publication 3690.5


4:00  Smad7 Drives Intestinal Immune Dysregulation after Chorioamnionitis. Sarah Coggins, Daniel Moore, Danyvid Olivas-Villagomez, James Wynn, Joann Romano-Keeler, Pranathi Matta, Naoko Brown, Andrew Marshall, Akhil Maheshwari, Jeff Reese, Joern-Hendrik Weitkamp. Publication 3700.3

4:15*  IAP Decreases Lps Bioavailability and TLR4 Expression in a Rat Model of Necrotizing Enterocolitis. Nathan P. Heinzlinger, Jennifer L. Liedel, Scott R. Welak, Katherine Fredrich, David M. Gourlay. Publication 3700.4

4:30  Pro-Inflammatory Breast Milk Causes Increased Intestinal Epithelial NOX1 Activity in Necrotizing Enterocolitis. Scott Welak, David Gourlay, Kirkwood Pritchard, Jr, Lisa Brock, Jennifer Liedel. Publication 3700.5

4:45  Heme Oxygenase-1 Deficiency Perturbs Adaptive Regulatory Immune Response in a Model of Neonatal Intestinal Inflammation. Stephanie Schulz, Flora Kalish, Karen M. Chisholm, Hui Zhao, Yang Yang, Ronald J. Wong, David K. Stevenson. Publication 3700.6

5:00*  Oxytocin Plays an Anti-Inflammatory Role in a Murine Model of Necrotizing Enterocolitis. Karen Gluck, Korey Stevanovic, Michael Gershon, Kara Margolis. Publication 3700.7

5:15  Mitogen-Activated Protein Kinase Phosphatase-1 (MKP-1) Prevents Apoptosis Due To LPS In Immature Rat Intestinal Epithelial Cells. Maria M. Talavera, Nathaniel Krallik, Yi Jin, Leif Nelini. Publication 3700.8

3:30-5:30pm

3720  Do You Agree with National Guidelines?  PAS Workshop
Vancouver Convention Centre - W 114

Target Audience: Residents, sub-specialty fellows, practicing clinicians, academic faculty and policy makers interested in practicing evidence based medicine and creating or appraising guidelines.

Objectives:
- Understand how national evidence-based clinical guidelines are developed and what the ideal features of such guidelines are
- Critically appraise an existing pediatric guideline using the AGREE II instrument
- Be familiar with the GRADE system for grading the quality of evidence and strength of recommendations

Leader: Gautham Suresh, Co-Leader: Vibhuti Shah

National evidence-based guidelines are published to guide clinicians in their practice, to reduce variation, and to avoid excessive healthcare costs. However, many national guidelines do not adhere to criteria that make them valid, credible, and acceptable to practicing clinicians. One such criterion is transparent and explicit inclusion of the evidence supporting the guideline recommendations. Practicing clinicians require skills to critically appraise expert-generated guidelines. In this workshop participants will learn about desirable characteristics of guidelines, and learn to use the AGREE II (Appraisal of Guidelines for Research and Evaluation) instrument to critically appraise one published guideline (the recent American Academy of Pediatrics guideline on urinary tract infection)using the AGREE instrument. Participants will also learn to rank evidence using the Grading of Recommendations Assessment, Development and Evaluation (GRADE) instrument with templates provided. They will come up with either strong or weak recommendations based on GRADE. Working in small groups, they will learn how to resolve differences of opinion and build consensus, key aspects of a guideline development process. National evidence-based guidelines are published to guide clinicians in their practice, to reduce variation, and to avoid excessive healthcare costs. However, many national guidelines do not adhere to criteria that make them valid, credible, and acceptable to practicing clinicians. One such criterion is transparent and explicit inclusion of the evidence supporting the guideline recommendations. Practicing clinicians require skills to critically appraise

*First Author is Trainee (fellow, house officer or student)
expert-generated guidelines. In this workshop participants will learn about desirable characteristics of guidelines, and learn to use the AGREE (Appraisal of Guidelines for Research and Evaluation) instrument to critically appraise one published guideline (the recent American Academy of Pediatrics guideline on urinary tract infection). Using the AGREE II instrument. Participants will also learn to rank evidence using the Grading of Recommendations Assessment, Development and Evaluation (GRADE) instrument with templates provided. They will come up with either strong or weak recommendations based on GRADE. Working in small groups, they will learn how to resolve differences of opinion and build consensus, key aspects of a guideline development process.

3:30pm-5:30pm

**3722 Item Writing Workshop: The Art and Science of Developing Questions for Use on ABP Examinations**

PAS Workshop
Vancouver Convention Centre - West 217

Target Audience: Junior, mid-level, and senior faculty interested in learning how to develop valid, reliable multiple-choice questions; learning about the development of ABP examinations; and potentially submitting questions for future consideration.

Objectives:
- Understand the art and science behind developing valid and reliable multiple-choice questions for use in assessment
- Understand the basic psychometric principles associated with item development
- Learn how to write and submit good questions for use on ABP examinations

Leader: Linda Althouse, Co-Leaders: Laura Brooks, L. Erik Meyer

This workshop will serve two purposes: to educate attendees about the overall examination development process and to teach attendees how to develop valid, reliable multiple-choice questions.

3:30pm-5:30pm

**3724 Navigating the NIH Peer Review Process**

PAS Workshop
Vancouver Convention Centre - West 113


This workshop will serve two purposes: to educate attendees about the overall NIH assessment process and to teach attendees how to develop valid, reliable multiple-choice questions. This workshop will serve two purposes: to educate attendees about the overall NIH examination development process and to teach attendees how to develop valid, reliable multiple-choice questions.

3:30pm-5:30pm

**3726 Neonatal Genetics: The Basics, Effect of Recent Technological Advances and Case Based Learning**

PAS Workshop
Vancouver Convention Centre - West 221

Target Audience: Residents and fellows.

Objectives:
- Review genetic disorders affecting neonates with emphasis on specific neonatal phenotypes of genetic conditions
- Discuss how recent advances such as introduction of microarray based technologies and next generation sequencing have affected the field of neonatal genetics
- Practice the principles of neonatal genetic diagnosis utilizing individual cases in an interactive format

Leader: Christiane Theda

Genetic conditions are prominent in the pediatric population and often present in the neonatal period. The neonatal presentation and features may vary from the fully expressed phenotype seen in older children and described in reference books and other sources. Health issues due to malformations and genetic conditions may be detected prenatally or present unexpectedly at birth which poses a marked challenge for families and health practitioners. Skilled clinical assessment is supplemented by information from clinical databases. Diagnostic approaches and testing have been affected by recent technological advances such as array technologies and next generation sequencing. This workshop will review the basics of neonatal genetics covering clinical features and approach to assessment. Resources and diagnostic tests from basics to new technologies and how they affect clinical practice will be discussed. The session is aimed at trainees and fellows to assist them in the development of their clinical skills and learning (core curriculum). Case based learning will supplement the presentation and add an interactive component to the session. Genetic conditions are prominent in the pediatric population and often present in the neonatal period. The neonatal presentation and features may vary from the fully expressed phenotype seen in older children and described in reference books and other sources. Health issues due to malformations and genetic conditions may be detected prenatally or present unexpectedly at birth which poses a marked challenge for families and health practitioners. Skilled clinical assessment is supplemented by information from clinical databases. Diagnostic approaches and testing have been affected by recent technological advances such as array technologies and next generation sequencing. This workshop will review the basics of neonatal genetics covering clinical features and approach to assessment. Resources and diagnostic tests from basics to new technologies and how they affect clinical practice will be discussed. The session is aimed at trainees and fellows to assist them in the development of their clinical skills and learning (core curriculum). Case based learning will supplement the presentation and add an interactive component to the session.

3:30pm-5:30pm

**3728 Patient Responsibility in Contemporary Medical Education: Yours, Mine, or Ours?**

PAS Workshop
Vancouver Convention Centre - West 219

Target Audience: Students/residents and faculty members interested in graduate medical education.

Objectives:
- Identify educational experiences that encourage trainees to develop an increasing sense of responsibility to their patients
- Develop new assessment methods to measure the extent to which residents’ fellows exhibit an appropriate degree of responsibility for their patients
- Create a strategy for faculty development so that teaching faculty are prepared to set expectations and evaluate residents and fellows with regards to patient ownership

Leader: Debra Boyer, Co-Leaders: James Bale, Jennifer C. Kesselheim

Today’s trainees learn care delivery in an environment which has evolved substantially in recent decades. These trends may reduce trainees’ sense of responsibility over their patients and hinder trainees’ ability to demonstrate patient ownership. This workshop will utilize a novel and highly interactive format that will enable attendees to formulate a definition of patient ownership and describe the challenges in fostering a sense of patient responsibility among training physicians. Participants will identify educational experiences, assessment methods, and faculty development strategies that promote trainee ownership of their patients. By the end of the workshop, attendees will have a collective sense of what ownership means in contemporary medical education and will have identified concrete mechanisms to optimize patient responsibility among trainees.
**PAS/ASPR 2014**  
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### 3:30pm-5:30pm

**3730 Pediatric Biobanking**  
PAS Workshop  
Vancouver Convention Centre – West 117

**Target Audience:** Residents, fellows or physicians who are involved in consenting for biobanking or collecting specimens for biobanking purposes AND researchers who are interested in using patient derived biospecimens.

**Objectives:**
- Overview of Biobanking, attendees should understand the principles and benefits of BioBanking  
- Ethical issues surrounding biobanking in the pediatric population - attendees will learn about different ethical issues that are encountered and are specific to the pediatric setting  
- Methods for acquiring high quality biobank specimens - attendees will learn how biospecimens and clinical data can be acquired for pediatric biobanks, keeping into consideration the often small biospecimen size

**Leader:** Suzanne Vercauteren, Co-Leaders: Tamsin Tarling, Peter Watson

Biobanks are essential resources in modern day academic centres and are defined as a collection of biospecimens and annotated clinical data. Biobanks need to be operated in a systematic, ethical and sustainable matter to allow for better research possibilities, multidisciplinary collaborations, higher profile publications and increased funding opportunities. Pediatric biobanking faces its own difficulties as from an ethical point of view children can not give informed consent. Parents and guardians are involved in decision making and reconsenting of the child at the age of 18 can be considered. In addition, biospecimens obtained from children are often small and more advanced techniques may need to be employed to obtain quantity and quality of pediatric biospecimen to support research. This interactive workshop will outline the process of pediatric biobanking including specific ethical issues such as consent, sample acquisition, storage and distribution as well as sustainability options for pediatric biobanks. The concepts of standardizing and certifying biobanks will also be addressed.

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### 3:30pm-5:30pm

**3734 Applying Self-Determination Theory to Stimulate the Intrinsic Motivation of Teachers and Learners**  
PAS Workshop  
Vancouver Convention Centre – West 202

**Target Audience:** faculty and fellows who supervise and teach residents/students.

**Objectives:**
- Describe the three components of Self-Determination Theory  
- Practice a repertoire of teaching methods that supports these three principles and facilitates the development of lifelong learning skills  
- Propose educational strategies for faculty to help their trainees understand self-determination theory and apply its principles to their everyday work experiences

**Leader:** MacKenzi Hillard, Co-Leaders: Constance Baldwin, Lynn Garfunkel, Caren Gellin, William Verade, Justin Lynn

Studies of Self-Determination Theory (SDT) show that individuals who receive autonomy support are more personally satisfied, pursue self-generated goals, and become higher achievers than those who are motivated by extrinsic rewards and punishments. Our workshop aims to assist educators to develop strategies that will help physicians cultivate intrinsic motivation to pursue life-long learning in independent practice. We will discuss how satisfaction of three basic human needs - autonomy, competence and relatedness - enhances intrinsic motivation. First, small groups will practice autonomy-supportive teaching methods in the context of challenging resident-faculty interaction scenarios (e.g., with passive or overconfident residents). Next, they will discuss educational strategies for faculty to help their residents understand and apply SDT. Practical tips and strategies generated by the small groups will be collated and emailed to all participants.

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### 3:30pm-5:30pm

**3736 Putting Together the Nuts and Bolts of Pediatric Antimicrobial Stewardship**  
PAS Workshop  
Vancouver Convention Centre – West 204

**Target Audience:** Residents, fellows, and faculty interested or involved in pediatric antimicrobial stewardship.

**Objectives:**
- Describe the basic principles of antimicrobial stewardship  
- Identify strategies to improve antimicrobial prescribing in pediatric practice settings  
- Review tools for antimicrobial surveillance and methods for measuring stewardship outcomes

**Leader:** David Hyun, Co-Leaders: Jason Newland, Cecilia Di Pentima, Holly Maples, Debra Palazzi

Antimicrobial stewardship programs minimize antimicrobial resistance and adverse drug reactions by optimizing antimicrobial therapy. All health care providers can play an important role in antimicrobial stewardship. This workshop will introduce concepts of antimicrobial stewardship to participants and provide them with tools and strategies that can be applied in various practice settings and patient populations. Participants will engage in small group discussions to develop cases, strategies, and action plans for antimicrobial stewardship. At the conclusion of this session, participants will be better able to identify opportunities for antibiotic stewardship and equipped with tools to implement stewardship strategies at their own institution.
3:30pm-5:30pm

3738 Using Pediatric Lipid Profile Screening in Lifestyle Counseling
PAS Workshop
Vancouver Convention Centre - West 216

Target Audience: Residents, Fellows, pediatricians in primary care and subspecialties that deal with cardiometabolic comorbidities that relate to lipid metabolism (dyslipidemia, hypertension, NAFLD, PCOS, OSA).

Objectives:
- Learn the prevalence, patterns, and cardiometabolic implications of hyperlipidemia in children
- Formulate a lifestyle care plan for children presenting with hyperlipidemia
- Identify appropriate referrals for lipid lowering therapy for pediatric hyperlipidemia

Leader: Ashraf Harahsheh, Co-Leaders: Sarah Clauss, Michele Mietus-Snyder, Rae-Ellen Webb Kavey

Hyperlipidemia, an under recognized, includes traditional hypercholesterolemia, mixed triglyceride and LDL-cholesterol elevation, and the disordered lipid metabolism of obesity and insulin resistance. The dyslipidemia characteristic of insulin resistance is in particular associated with hypertension and type 2 diabetes. These diseases start early in life. The obesity epidemic is swelling the number of children affected. Pediatricians are faced with the dilemma of identifying, treating and counseling this growing population of children, teens and their families. Up to 42% of overweight youth will present with a lipid profile abnormality and all will need lifestyle counseling, including the <2% who may meet criteria for adjunct medication. This workshop will begin with a discussion of lipid profile abnormalities, including the concept that an unremarkable LDL-cholesterol in the face of hypertriglyceridemia with low HDL-cholesterol can still represent an LDL problem. Working in facilitated small groups, participants will consider a series of representative lipid profiles, and will decide on an evaluation and management plan. Workshop facilitators will then guide a large-group discussion to reinforce evidence-based nutrition and activity lifestyle guidelines, appropriate follow-up, and when to consider lipid lowering therapy.

3:30pm-5:30pm

3740 We All Make Mistakes: How (and Why) to Disclose Them to Patients without Adding Unnecessary Liability Risk
PAS Workshop
Vancouver Convention Centre - West 115

Target Audience: All pediatric physicians who might make a medical error in the future, regardless of level of training or length of practice experience.

Objectives:
- Explain how state legislatures are attempting to reduce barriers to disclosure and apologies
- Demonstrate how effective disclosure policies can improve patient (and family) satisfaction, reduce liability risks, and improve quality of care
- Illustrate effective techniques for communicating disclosures and apologies to families who suffer medical adverse events

Leader: William McDonnell, Co-Leader: Robert Mendelson

More than 30 states have enacted so-called apology laws, designed to encourage and protect physician communications with patients and families after adverse medical events. Nonetheless, pediatricians remain uncomfortable making disclosures and apologies for medical errors. They are concerned about potential legal liabilities, and are unsure how to apologize safely, effectively, and in the best interests of the patient. This session begins with a brief discussion of the problem of adverse events, explaining the purpose and prevalence of apology laws, and the legal implications and effects of disclosure initiatives. Several role-playing scenarios will follow, involving participants demonstrating appropriate and inappropriate disclosure and apology techniques. The audience will provide real-time feedback during the role-playing scenarios. The session concludes with a question and answer session. Workshop attendees will be more confident and empowered in their communications with patients and families who have experienced medical adverse events.
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<td>Late To Care: Baseline Characteristics of Obese Youth Presenting for Weight Management Using National Data from the Pediatric Obesity Weight Evaluation Registry (POWER)</td>
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47 Improvement in Rates of BMI Documentation in an Inner City Academic Pediatric Primary Care Center. Jillian Klein, Harry Atheron, Kenya Simmons, Zeina Samaan, Robert Siegel. Publication 3800.47

48* 'S, 1, 1, 0' Childhood Obesity Prevention Campaign: Preliminary Results an Intervention. R. Robbins, P. Young, J. Hemond. Publication 3800.48

49* Weight in Infancy and Obesity in Preterm Born Children. Tetiana Litvinchuk, Ruchi Singh, Christopher Sheehan, Tetyana L. Vasylyeva. Publication 3800.49

50* Does the Diagnosis of Overweight/Obesity Lead To Intervention in a Pediatric Resident Run Clinic?. Marcelo Rains, Carrie Graves, Stacy Catalon, Nicole Choi, Minwoo Song, Khiet Ngo, Jessica Claridge. Publication 3800.50

3801 Nutrition

51 Breastfeeding Increases Risk for Iron Deficiency (ID) and Iron Deficiency Anemia (IDA) at 9 Months. Katy M. Clark, Ming Li, Jie Shao, Furong Liang, Yueyang Zhang, Niko Kaciroti, Betsy Lozoff, Chai Ji, Bingquan Zhu. Publication 3801.51

52* Improved Vitamin D Prescribing for Breastfed Infants through Education of Medical Providers and Modification of Electronic Ordering Templates. Caroline S. Watnick, Helen J. Binns, Robert S. Greenberg. Publication 3801.52

53 Vitamin D Status at Birth and at 14 Weeks of Life and Effect of Type of Feeding on Vitamin D Status in Infants at 14 Weeks of Life. Nishant S. Chauhan, Amit Upadhya, Vijay Jaiswal, Mamta Malik. Publication 3801.53

54* Fetal and Neonatal Iron Deficiency but Not Copper Deficiency Increases mRNA Levels of Vasculosclerosis-Associated Genes and Blood Vessel Density in the Developing Rat Brain. Thomas W. Bastian, Stephanie Santarriaga, Thu An Nguyen, Joseph R. Prohaska, Michael K. Georgieff, Grant W. Anderson. Publication 3801.54


56 Glass Half Full: A Comparison of Water Delivery Options To Improve Students’ Water Intake in Schools. A.I. Patel, A. Grummon, K.E. Hampton, A. Oliva, C.D. Brindis. Publication 3801.56

57 Early Complimentary Feeding in Preterm Infants. Susan M. Braid, Jenny Bernstein, Nana Matoba. Publication 3801.57

58 To Eat It or Not To Eat It, Why is the Question: How Do Adolescents Perceive “Healthy Food”? . Stephanie E. Hasty, Eliana M. Perrin, Ashley Cockrell Skinner. Publication 3801.58

59* Target Fortification of Breast Milk for Preterm Infants - What Is the Ideal Measurement Frequency?. Niels Rochow, Gerhard Fusch, Bianca Nicole Zapanta, Anaam Ali, Christoph Fusch. Publication 3801.59


62 Cost-Effectiveness of Partially Hydrolyzed Whey Formula in the Primary Prevention of Atopic Dermatitis in Formula-Fed High Risk Infants in the United States. Abhijet Bhanegaonkar, Erica Horodniceanu, Xiang Ji, Jose Saavedra, Laura Czerkies, Marc Botteman. Publication 3801.62


64 Postdischarge Supplemental Nutrition for Breastmilk-Fed Preterm Infants: Primary Care Provider Knowledge and Practice. Yvonne E. Vaucher, Eyla G. Boies, Sheila Gahagan, Christine Williams, Jae H. Kim. Publication 3801.64

65* Understanding the Association of Food Insecurity To Community Developmental Assets Among Youth in a Low-Income Community. Fanyu Yang, Deepak Palalakshappa, Becca Rector, Elizabeth Goodman. Publication 3801.65

66 Growth of Infants Fed a Partially Hydrolyzed Whey-Based Infant Formula Containing Lactobacillus Reuteri. Pamela Cekola, Laura Czerkies, James Roberts, Mei Wang, Jose Saavedra. Publication 3801.66


68* Do Prenatal Vitamins and Sun Exposure Protect Hawai`i Newborns from Vitamin D Deficiency?. Emmanuel Ramirez-Enriquez, Seree Kuo. Publication 3801.68

69* A Pilot Study To Evaluate LIFE(Learning Ideas for Healthy Eating): A 5-Hour Workshop for Parents of Preschoolers. Preethi L. Raghupatrani, Anita Swamy, Helen Binns. Publication 3801.69

3802 Breastfeeding

70 The New Hampshire Ten Steps To Successful Breastfeeding Collaborative: A Statewide Quality Improvement Initiative. Joyce Kelly, Bonny L. Whalen, Alison V. Holmes. Publication 3802.70

71* “Frustrated”, “depressed” and “devastated” Trainees: Academic Medical Centers Fail To Provide Adequate Workplace Breastfeeding Support. Avika Dixit, Kinga A. Szucs. Publication 3802.71

72* Discordant Breastfeeding Plans and Practice: A Longitudinal Qualitative Study. Elizabeth M. Peacock-Chambers, Kaitlin Dicks, Leela Sarathy, Allison A. Brown, Renee Boynton-Jarrett. Publication 3802.72

73 Can We Optimize the Likelihood of Long Term Breastfeeding Duration by Identifying Optimal Exclusive Breastfeeding Thresholds? . Elizabeth Brownell, James Hagadorn, Mary Lussier, Gyuhyeong Goh, Kelly Thelen-Morrison, Trudy Lerer, Victor Herson, Cynthia Howard. Publication 3802.73

74* Maternal Perceptions of Workplace Lactation Support and the Association With Job Satisfaction and Breastfeeding Duration. Whitney M. Waite, Dimitri Christakis. Publication 3802.74

75 A Case-Control Study of Diabetes during Pregnancy and Low Milk Supply. Sarah W. Riddle, Laurie A. Nommsen-Rivers. Publication 3802.75


77 The Impact of a Breastfeeding Support Intervention on Breastfeeding Duration in Jaundiced Infants Admitted To a Tertiary Care Centre Hospital; a Randomized Controlled Trial. Catherine M. Pound, Katherine Moreau, Kristina Rohde, Ken Farion, Nick Barrowman, Mary Aglipay, Amy C. Plint. Publication 3802.77
92 Challenges of Breastfeeding the Early Term Infant: A Comparative Study of Early and Late Term Infants. Lawrence Noble, Ivan Hand, Anita Noble. Publication 3802.78

93 Are Parents’ Own Behaviors Related To Their Children’s Sleep Duration?. Corinna J. Rea, Elsie M. Taveras. Publication 3803.93

94 A Comparison of Weight Loss Among Breast and Bottle Fed Infants in an Inner City Hospital During Their Initial Hospital Stay. Ivan L. Hand, Lawrence Noble, Warren Seigle. Publication 3802.79


97 Barriers To Breastmilk Feeding of Preterm Infants After Discharge: Pediatric Care Provider Perspective. Eyla G. Boies, Yvonne E. Vacher, Sheila Gahagan, Christine Williams, Jae H. Kim. Publication 3802.80


100 Factors Influencing Breastfeeding and Supplementary Feeding in an Inner City Community Setting. Temitope Oladeye, Mario Iraheta, Stefan Hagmann, Ayoade Adebisi, Bhati Priya, Tierelli Marguerite, Russell Barbara, Neugabauer Richard. Publication 3802.82

101 Barriers to Breastfeeding on the Border. Angela Flores, Ines Anchondo, Cindy Huang, Maria Teresa Villanos, Sitratullah Maiyegun. Publication 3802.83

102 A Baseline Assessment of Infant Feeding Practices in the Pediatric Clinic at Children’s Hospital University of Illinois (CHUI) - Year One of a Resident Quality Improvement Project To Increase Breastfeeding Rates. Arlene Espiritu, Sandra Mikulim, Saman Hashmi, Joyce Genson, Vytas Ben Barak, Muhammad Ansari, Ana Claudia Taddei, Marie Lamothe, Alan Schwartz, Jordan Hupert. Publication 3802.84

103 Preventative / Public Health & Health Behavior

107 A Brief Educational Intervention Improves Medication Safety in Grandparents of Young Children: A Pilot Study. Manesha Agarwal, Janice Williams, Demetrios Tavoulareas, Jonathan R. Studnek. Publication 3803.86

108 Emerging Risk of Batteries as Foreign Body Injuries in the Upper-Aero-Digestive Tract in Children: the Susysafe Project Results. Dario Gregori, Solidea Baldus. Publication 3803.87


110 Predictors of Response To an ATV Safety Intervention Among Parents. Mary E. Aitken, Taylor House, Andrea J. Sutton, Samantha H. Mullins, David C. Schwebel, Christopher J. Swearengen. Publication 3803.89


112 Can Practitioners Deliver a Safe Teen Driving Intervention To Parents in Pediatric Offices?. Stacia Finch, Jean Shope, Jennifer Zakrjasek, Ray Bingham, Joe O’Neil, Richard Wasserman. Publication 3803.91

113 Assessing Medical Care Availability for Student-Athletes in a Large Urban School District. Garrett A. Salzman, Rita V. Burke, Valerie M. Muller, Ryan G. Spurrer, Tracy L. Zaslow, Jeffrey S. Upperman. Publication 3803.92

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115 Decolonization in Children After Incision and Drainage Procedure for Mrsa Abscess - A Retrospective Cohort. S. Maria E. Finnell, Marc B. Rosenman, Stephen M. Downs. Publication 3803.104


118 Factors Associated With “Cocooning” Newborn Infants To Prevent Influenza and Pertussis. Sean O’Leary, Jennifer Pyrzanzowski, Sarah Brewer, Juliana Barnard, Brenda Beaty, Meghan Donnelly, Sara Mazzoni, Amanda Dempsey. Publication 3803.102


121 African American Parent Beliefs About Safe Infant Sleep. Kathryn Moseley, Jamie Perryman, Ken Resnicow, Mick Couper. Publication 3803.100

122 Changing Patterns of Distracted Driving Enforcement in Washington State. Beth E. Ebel, Amy Freedheim, Laura Hitchcock, Robert Kaufman, Jennifer D. Maeser, Qian Qiu, Laura Blanar, Annie P. Kirk. Publication 3803.98


124 Factors Associated With “Cocooning” Newborn Infants To Prevent Influenza and Pertussis. Sean O’Leary, Jennifer Pyrzanzowski, Sarah Brewer, Juliana Barnard, Brenda Beaty, Meghan Donnelly, Sara Mazzoni, Amanda Dempsey. Publication 3803.102

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130 Quality Improvement Technique Useful in Encouraging Fluoride Varnish Administration Uptake Into Pediatric Practice. Francis E. Rushton, Lynn Martin. Publication 3803.105


110 Pet Dogs: Child Ally or Allergen? Anne M. Gadomski, Melissa B. Scribani, Nicole Krupa, Paul Jenkins, Zsolt J. Nagykaldi, Ardis L. Olson. Publication 3803.110

111* Long Sleep Duration Is Associated With Fat and Carbohydrate Consumption among Latino Youth. S.M. Martinez, N.F. Butte, J.M. Tschann. Publication 3803.111

112* Physicians’ Lack of Adherence To National Heart, Lung, and Blood Institute Guidelines for Pediatric Lipid Screening. Christopher W. Valle, Angira Patel, Maheen Quadri-Sherriff, Irwin Benuck, Helen Binns. Publication 3803.112

113 Crafting a Recipe for Early Childhood Health: Ascertainment of Parental Preferences for a Home Food Preparation Intervention. Senbagam Virudachalam, Paul J. Chung, Jennifer A. Faerber, Timothy M. Pian, Chris Feudtner. Publication 3803.113


115 Prevention of Behavioral Health Problems Among Filipino Youth Using an Evidence-Based Parenting Intervention Offered in Churches. Joyce R. Javier, Sheree M. Schragger, Dean M. Coffey, Lawrence A. Palinks. Publication 3803.115

116 Receipt of Preventive Dental Care by Children in Immigrant and Non-Immigrant Families: State Medicaid Data 2005-2010. Katherine Yun, Arina Chesnokova, Justine Shults, Andres Pinto, David M. Rubin. Publication 3803.116


119* Implementing a Food Insecurity Screening Tool Using the Electronic Medical Record at Three Academic Primary Care Centers. Deepak Palakshappa, Caitlin Elgarten, Senbagam Virudachalam, Robert Grundmeier, Louis M. Bell, James Massey, Sarah Dziedzic, Alan Tuttle, Mark Ramos, Saba Khan. Publication 3803.119

120 Assessment of Risk Factors and Protective Factors for Oral Disease in Comayagua, Honduras. Laura A. Zajdel, Maria L. Marquez. Publication 3803.120

121 Role of Community Health Workers in Managing Birth Asphyxia: Experience from BRAC’s Maternal, Neonatal and Child Health Project. Md Mosiur Rahman. Publication 3803.121


123* Children’s Home Sleep Environment and Sleep Problems in an Inner City Practice. Hilda Kabali, Michelle King, Stefan F. Mandakovic, Casandra Arevalo, Matilde Irigoyen. Publication 3803.123


125* Evaluating the Effectiveness of a Fresh Food Access Program in a Food Desert. Nova Ashanti, Katie Tran, Kristen Deitchman, Hans B. Kersten. Publication 3803.125

126 Risk Factors for SIDS and Other Sleep-Related Deaths Differ by Age. Jeffrey D. Colvin, Vicki L. Collie-Akers, Rachel Y. Moon. Publication 3803.126

127* Pediatricians and Oral Health: Is It Time To Look at Teeth?. Archana Koirala, Sharon Goldfield. Publication 3803.127

128* Are Socio-Demographic Characteristics Associated With Success in an Open Access Family Weight Management Program?. Maria Victoria B. Pertubal, Pamela M. Diamantnis, Ellen J. Silver, Paulo Pina, David H. Rubin, Adriana E. Groisman-Peletstein. Publication 3803.128


Nephrology

3804 Chronic Kidney Disease

131 Correlates of Leptin in Children With Chronic Kidney Disease: the CKiD Cohort. Edward Nehus, Susan Furth, Bradley Warady, Mark Mitsnefes. Publication 3804.131


134* Chronic Kidney Disease Stage as a Predictor of Self-Reported Poor Appetite in the CKID Cohort. Frank W. Ayesetan, Michael F. Schneider, Frederick J. Kaskel, Srivaths Poyyapakkam, Patricia W. Seo-Mayer, Marva Movexy-Mims, Susan Furth, Bradley A. Warady, Larry A. Greenbaum. Publication 3804.134

135 Epidemiology and Outcome of Chronic Kidney Disease in Children With Sickle Cell Disease: A Multi-Institutional Review. Ram Kalpathi, Troy Richardson, Jignesh Dalal, Gerald Woods, Bradley Warady. Publication 3804.135


137* Pediatric Academic Achievement Outcomes in Mild-Moderate Chronic Kidney Disease. Lyndsay A. Harshman, Douglas Russo, Sheila Barron, Bridget Zimmerman, Natalie L. Denburg, Patrick D. Brophy. Publication 3804.137


139 Neurocognition in Children With Autosomal Recessive Polycystic Kidney Disease (ARPKD) in the Chronic Kidney Disease in Children (CKID) Cohort Study. Erum A. Hartung, Matthew Matheson, Marc B. Lande, Katherine M. Dell, Lisa M. Guay-Woodford, Bradley A. Warady, Stephen R. Hooper, Susan L. Furth. Publication 3804.139

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141 Canopy Cells in Renal Osteodystrophy (ROD): Potential Role in Dysregulated Coupling of Bone Formation and Resorption. Renata C. Pereira, Thomas L. Andersen, Peter A. Friedman, Isidro B. Salusky, Katherine Wesseling-Perry. Publication 3804.141

142* Reticulocyte Hemoglobin Levels in Pediatric CKD Patients. Hala Al Moaigel, Nick Barrowman, Elaine Leung, Janusz Feber, Anne Tsampalieros. Publication 3804.142

143* Health Literacy/Numeracy and Health Care Transition Readiness/ Self-Management in Parent-Child Dyads and Young Adults With Chronic Conditions. Cohen Sarah, Javalkar Karina, Maria Ferris, Steve Hooper, Darren Dewalt. Publication 3804.143

3805 Dialysis


145* Standardizing Secondary Hyperparathyroidism Management in a Pediatric Dialysis Unit. Elizabeth A.K. Hunt, Deborah R. Stein, Michael A. Ferguson, Estelle Kanvesky, Rose Hamershock, Dorothy M. Miller, Dione A. Graham, Nancy M. Rodig, Michael J.G. Somers. Publication 3805.145


147 *WITHDRAWN

148 Outcome of Children Requiring Initiation of Continuous Renal Replacement Therapy in Pediatric Intensive Care Units. Nathan Thompson, Martin Wakeham, Cynthia Pan, Matthew Scanlon. Publication 3805.148

149 Standardizing Care To Improve Outcomes in Pediatric End Stage Renal Disease (SCOPe): Exit Site Infections (ESI) in a National Pediatric Peritoneal Dialysis (PD) Cohort. Sarah J. Swartz, Amy L. Skversky, John P. Lawlor, Michael Somers, Meg E. Shea, Alicia M. Neu. Publication 3805.149

150* Using Reticulocyte Hemoglobin and Immature Reticulocyte Fraction To Determine Iron Stores in Pediatric Hemodialysis Patients. Monica Serrano-Gonzalez, Vinai Modem, Raymond Quigley. Publication 3805.150


152* Understanding Erythrocyte Stimulating Agent Resistance Patterns in Pediatric Hemodialysis Patients. Ari H. Pollack, Raj Munshi. Publication 3805.152

3806 Transplant


APS/SPR Student Research Program

Vanessa Boshuizen

155* Medication and Dietary Adherence in Pediatric Kidney Transplant Candidates Is Associated With Post-Transplant Adherence To Immunosuppressant Medications. Oleh Akchurin, Anita Tambay, Vanessa Boshuizen, Kate Raitt, Frederick Kaskel, Marcela Del Rio. Publication 3806.155

156 Utilization of Growth Hormone and Barriers To Its Use in Pediatric Renal Transplant Recipients. J. Bryan Carmody, John P. Barcia, Jennifer R. Charlton, Bethany M. Coyne, Victoria F. Norwood. Publication 3806.156


159 Sexually Transmitted Infections in Pediatric Renal Transplant Recipients: Time To Take Notice!. Isla Ashoor, Pam LeBlanc, Ryan Pasternak, V. Matti Vehaskari. Publication 3806.159

160 Anuria Since Birth: Does It Impact Outcome of Kidney Transplants in Children?. Isabel Roberti, Shefali Vyas. Publication 3806.160

161 Peers4PATH: Expectations of Mentors and Mentees in a Peer Mentoring Intervention To Improve Quality of Life and Adherence in Solid Organ Transplant Recipients. Sandra Amaral, Hannah Dashefsky, Nina Foster, Susan Furth. Publication 3806.161

162 Imune Mediated Nephropathies (IMN) in Kidney Transplants (txp): Recurrence or De Novo Diseases. Isabel Roberti, Shefali Vyas. Publication 3806.162


164* Hepatitis B Titers in Children Evaluated for a Kidney Transplant: Are We Missing Opportunities for Protection?. Michael I. Derrick, Katherine E. Twombly. Publication 3806.164

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343 Health in Schools Study (HIS): Gender Differences in School-Based Health Center Use. David J. Breland, Carolyn McCarty, Katheryn B. Whitlock, Robert Johnson, Lauren Eaton, William French, Benjamin Danielson, Elizabeth McCauley. Publication 3826.343

344 Making the Case for Adolescent Confidential Care. Amy Gilbert, Vaughn Rickert, Matthew Aalsma. Publication 3826.344

345* Changing Primary Care Patterns for Young Adults Under the ACA: An Expanded Role for Pediatricians?. Charlene A. Wong, Carol A. Ford, Benjamin French, David M. Rubin. Publication 3826.345


3827 Transitions & Chronic Illness

347 Factor Structure and Validation of the Transition Readiness Assessment Questionnaire (TRAQ). David Wood, Gregory Sawicki, David Miller, Carmen Smotherman, William Livingood, Maria Ferris, Dale Kraemer. Publication 3827.347

348 Assessing the Quality of Health Care Transition Preparation Among Adolescents With Chronic Health Conditions. Gregory Sawicki, Katharine Garvey, Sara Toomey, Jessica LeBlanc, Lee Hargraves, Yuefan Chen, Chelsea Johnson, Lindsey Mahoney, Mark Schuster, Jonathan Finkelstein. Publication 3827.348


350 Identification of a Novel Protein Marker of Puberty in Girls. Frank M. Biro, Susan M. Pinney, Richard C. Schwartz, Bin Huang, Sandra Z. Haslam. Publication 3827.350
351* Learning About Their Health: Preferences of Adolescents With Chronic Conditions. Mark S. Connelly, Cara Haberman, Karina Javalkar, Sarah Cohen, Maria Ferris. Publication 3827.351


352A Residency Education in Transition Preparation for Adolescents and Young Adults: A Mixed Methods Pilot Study. Janet S. Hess, Diane M. Straub, Cristina Pelaez-Velez, Jazimine Mateus. Publication 3827.352A

3828 Research Methods, MOC

353 Demonstrating Competence in Adolescent Interview Skills after Coached Role Play. Paritosh Kaul, Jennifer Fisher, Janice L. Hanson. Publication 3828.353


355* The Influence of Age, Health Literacy and Affluence on Adolescents’ Capacity to Consent to Research. Lance R. Nelson, Nathan Stupiansky, Mary A. Ott. Publication 3828.355

3829 Media & Technology

356* Association of Social Networking Site Use, Perceived Social Support and Depression in an Urban Community. Sonia Patel, Fernanda Kupferman, Susana Rapaport, Vinod Dhar, Jyotsna Gupta, Kelly Cervellione, Partha Chatterjee. Publication 3829.356

357 Use of a Text Messaging Intervention To Improve Caffeine Intake, Nighttime Technology Use and Sleep Duration in Adolescents. Christina J. Calamaro, Jared Annibale, Sarah Ratcliffe, Kevin Meyers. Publication 3829.357

358 Health Information for Parents of Adolescents: the Use of Blogs for Anticipatory Guidance. Yolanda N. Evans, Megan Moreno. Publication 3829.358

359 Assessing the Feasibility of Clinicians Communicating Via Social Media and Text Messaging with Adolescents about HPV Vaccination. Rebecca R. Ortiz, Autumn Shafer, Travis Battle, Joan Cates, Sarah Downs, Tamera Coyne-Beasley. Publication 3829.359

360* Photovoice Is a Promising Community-Based Participatory Research Tool To Explore the Effect of the Built Environment on Adolescent Health. Amy C. Downing, Mollie Grow, Brian Johnston. Publication 3829.360

361* Social Media Use and Adolescent Risk Taking Behavior. Roman H. Gebremeskel, Sarah Downs, Krysten Sessoms, Chassidy J. Hanley, Tamera Coyne-Beasley. Publication 3829.361

3830 Sexually Transmitted Infections

362 Provider Attitudes, Knowledge and Practice of Expedited Partner Therapy for Adolescents in Varying State Policy Environments. Susan Lee, Nadia Dowshen, Papia Paul, Rebekah Lucien, Cynthia Mollen. Publication 3830.362

363 Epidemiology and Treatment of Pelvic Inflammatory Disease in a Pediatric Emergency Department. Lisa Tuchman, Katie L. Hayes, Kim Robinson, Gia Badolato, Monika K. Goyal. Publication 3830.363

364* Prevalence of Sexually Transmitted Infections in At-Risk Adolescent Females at an Adolescent Health Center in New York City. Risa L. Yavorsky, Dominic Hollman, John Steever, Christine Soghomonian, Angela Diaz, Christopher Ochner. Publication 3830.364

365 Factors Associated With Sexually Transmitted Infection Testing in a Pediatric Emergency Department. Lisa Tuchman, Katie L. Hayes, Kim Robinson, Gia Badolato, Monika K. Goyal. Publication 3830.365

366 An Exploration of Reasons for Lost To Follow-Up from HIV Care Among HIV-Positive Youth in Kenya. Hilary T. Wolf, Bonnie Halpern-Felsher, Elizabeth Bukusi, Kawango Agot, Craig Cohen, Colette Auerwald. Publication 3830.366

3831 Prevention & Public Health


368 The Association of HPV Vaccination Rates and Adolescent Birth Rate. Susan Stadebaker, Nasir Mushtaq, Jessica Spear, Eden Hemming, Mark Fox. Publication 3831.368

369 Perceived Pain With HPV Vaccine Compared To Other Recommended Vaccines for Adolescents: What Causes the Biggest "Ouch"? Naomi Salz, James J. Burns, Amanda Lopez-Beyer, Raid Amin. Publication 3831.369


372* Knowledge and Acceptability of Pre-Exposure Prophylaxis for HIV Prevention among Young Transgender Women. Michael Shenendich, Travis Gayles, Robert Garofalo. Publication 3831.372

373* Opportunities for Prevention: Preconception Health Counseling Among Adolescents and Young Adults. Elizabeth Jalazo, Paul Bixensten, Kamila Mistry, Tina L. Cheng, Krishna K. Upadhyia. Publication 3831.373

3832 Obesity, Nutrition & Disordered Eating

374 Are There Predictors of Success in a Community-Based, Multidisciplinary, Weight-Loss Program for Urban, Minority Adolescents?. Unab I. Khan, Lauren Connell, Jessica Rieder. Publication 3832.374

375 Age and Black Race Predict Atherosgenic Risk in Obesity Phenotypes in Adolescents. Unab I. Khan. Publication 3832.375


377* The Impact of Pre-Pregnancy Health Promoting Behaviors on Gestational Weight Gain in Adolescents. Shilpa Babbar, Tami Gurley-Calvez, Teresa Ort, Jaron Saint Onge, Felix Okah. Publication 3832.377


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382 Randomized Clinical Trial of Two High-Dose vs. Low-Dose Treatment Regimens for Vitamin D Deficiency in Minority Adolescents Living in a Northeast City. Hina J. Talib, Tulasi Ponnapakkam, Robert Gensure, Hillie W. Cohen, Unab I. Khan, Ping Zhou, Susan M. Coupey.  
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3833 Contraception

Publication 3833.383

Publication 3833.384

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Publication 3833.386

387* Providing Long-Acting Reversible Contraception Services in a School-Based Primary Care Setting: Key Themes for Facilitating Implementation. Andrea J. Hoopes, Kelly Gilmore, Janet Cady, Anne-Marie Amies Oelschlaeger, Sarah W. Prager.  
Publication 3833.387

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Emergency Medicine

3834 Psychiatric Issues / Screening

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390* Setting Matters in Suicide Screening for Adolescent Patients Presenting With Non-Psychiatric Complaints in the ED. Annie Delisio, Jarrod Peoples, Jeff A. Bridge, Nancy Zahradnik, Joseph Luria, Jacqueline Grupp-Phelan.  
Publication 3834.390

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393* Trends in Emergency Department Utilization by Children With Mental Health Issues. Elisa Mapelli, Quynh Doan.  
Publication 3834.393

3835 Gastrointestinal Emergencies

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Publication 3835.395

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399* Diagnostic Value of C-Reactive Protein for Acute Appendicitis in the Pediatric Population. William Luciano, Zebulon Timmons, Christina Conrad, Ian Cassell, Jeffrey Wilson, Chand Mehalechko, Jared Muener, Blake Bulloch.  
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402* Comparison of Emergency Department Visits for Complications of Gastrostomy vs. Gastrojejunostomy Tubes in Children. Meghan Duffy, Philippe Guillard, Andrew Wey, Mark Roback.  
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403 The Utility of Laboratory and Clinical Components in Pediatric Appendicitis. Karen Y. Kwan, Phung K. Pham, Alan L. Nager.  
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Publication 3835.404

405* The Relationship of MANTRELS Score To Appendiceal Perforation in Pediatric Patients: A Retrospective Review. Sona Patel, Courtney Shipon, Rachel Warner, James Burns, Jesse Walkel.  
Publication 3835.405

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Publication 3835.407

408* Esophageal Bougienage Vs Surgical Retrieval for Esophageal Coins. Evan H. Allie, Aaron Blackshaw, Joseph D. Losek, Rachel E. Tuuri.  
Publication 3835.408

3836 Quality Improvement

Publication 3836.409

Publication 3836.410

*First Author is Trainee (fellow, house officer or student)
444* Using Information Technology To Communicate Discharge Instructions and Follow Up Information With Adolescents. Margaret Ray, Peter S. Dayan, Vartan Pahalyants, Lauren S. Chernick. Publication 3837.444

445 Assessing Intent and Willingness To Immunize Children Against Influenza in the Pediatric Emergency Department. Michelle D. Stevenson, Alexander J. Levine, Kristina A. Bryant, Ronald I. Paul. Publication 3837.445

446* Pediatricians’ Expectation Regarding Advance Training in Pediatric Emergency Medicine for Physicians Providing Care To Pediatric Patients in the Emergency Department. Diane Bunn, Ernest Leva, Niel F. Miele, Anna Petrova. Publication 3837.446

447 The Effectiveness of a Student Volunteer Program for Research in a Pediatric Emergency Department. Patrick Steadman, Johanna Cruden, John Paul Oliveria, Taline Naranian, Kathy Boutis. Publication 3837.447

448* Comparing the Quality of Care By Pediatric Emergency Medicine Physicians To Non-Pediatric Emergency Medicine Physicians: A Systematic Review. Nnenna O. Chime, Jessica Katznelson, Barbara M. Walsh, Marcie Gawel, Sandeep Gangadharan, Marc Auerbach. Publication 3837.448

449* Caregiver Understanding of Discharge Instructions after Pediatric Emergency Visit in an Inner City Community Hospital. Raval Bandaru, Mavellin Lim, Sushma Ravirala, Noah P. Kondamudi. Publication 3837.449

450 Does School Absentee Rate Predict ED Volume Surge at a Children's Hospital During Influenza Season?. Manu Madhok, Ernest Krause, Andrew Flood. Publication 3837.450


3838 Respiratory / Asthma

453* Parental Recognition of Respiratory Distress in Children. Michelle N. Vazquez, Carrie Danziger, Michael Mojica, Michael Tunik. Publication 3838.453

454* Parental Preference of Metered Dose Inhaler With Spacer (MDIS) vs Nebulizer for Home Albuterol Administration. Archanza Verma, Stephen M. Blumberg. Publication 3838.454

455* Emergency Department Visits for Deep Venous Thrombosis (DVT) and Pulmonary Embolism (PE) in US Children; 2006-2010. Kathryn I. Murinas, Emily Fain, Todd A. Florin, Richard Ruddy, Samir S. Shah. Publication 3838.455


457* Improving Care for Community Acquired Pneumonia: How Standardization Led To Antimicrobial Stewardship and Clinical Effectiveness. Lori E. Rutman, James O’Callaghan, Suzanne Spencer, Casey Lion, Anne Slater, Matthew P. Kronnan, Susan Stanford, Rita Mangione-Smith. Publication 3838.457


459* Clinician-Identified Barriers To the Use of Intravenous Magnesium for Acute Asthma Exacerbation in the Pediatric Emergency Department. Grant E. Keeny, Matthew P. Gray, David C. Brousseau, Lalit Bajaj, Marc H. Gorelick, Christopher D. Spahr. Publication 3838.459

460 Patient Factors Associated With Prolonged Hospital Length of Stay in Children Hospitalized With Bronchiolitis. Michael D. Johnson, David Sandweiss, Michael Mundorff, Cindy Weng, Xiaoming Sheng. Publication 3838.460

461* Risk Factors for Emergency Department Revisits in Children With Community-Acquired Pneumonia. Emily Fain, Todd A. Florin, Richard Ruddy, Samir S. Shah. Publication 3838.461


465* Can Adolescents Assess Their Asthma Severity? A Comparison of the Emergency Department Versus the Medical Home. Leah Finkel, Tiffany Jan, Alisa McQueen, Nanah Park. Publication 3838.465


Medical Education

3839 Curriculum

469 A Partially Individualized Advocacy Rotation for Pediatric Residents: A Mixed Methods Curricular Study. Meghan Treitz, Alexandria Forte, J. Lindsey Lane, Janice Hanson. Publication 3839.469


471 Can a Workshop on Interdisciplinary Collaboration Strengthen the Bonds Between Medical Students (MS4S) and Standardized Patient Instructors (SPIS) Teaching a Physical Diagnosis Course?. Larrie Greenberg, Jennifer Owens, Karen L. Lewis, Benjamin Blatt. Publication 3839.471

471A Hand-Offs on the Medicine Clerkship: What Can We Learn from This Model in Pediatrics?. Linda Lesky, Juan Reyes, Larrie Greenberg. Publication 3839.471A

472* Can Online Education Improve What Pediatric Residents Know About Atopic Dermatitis?. Anna L. Bruckner, Megan F. Craddock, Heather M. Hanke, Janice Hanson, Molly Ness, Megha Tollefsen. Publication 3839.472


474 Reproducibility of a Discharge Education Curriculum for Pediatric Interns Rotating on an Inpatient Ward. Julie Noffinger, Kaitlin Widmer, Heather Walsh, Priti Bhansali. Publication 3839.474
Does Participation in Curriculum Reform Enable the Creation of New Educational Leaders? Emily C. Walvoord, Megan M. Palmer, Maryellen E. Gusie.


A Brief Pediatric Internship Boot Camp for 4th Year Medical Students. Rebekah A. Burns, Mark D. Adler, Jennifer L. Trainor.


 Formal Training in Vaccine Safety To Address Vaccine Concerns Not Routinely Conducted in U.S. Pediatric Residency Programs. Sarah E. Williams, Rebecca Swan.


Let’s Talk: Evaluation of a Public Speaking Skills Curriculum for Pediatric Residents. Jason Homme, David Hall, Molly Ness, Tara Lang, Erin Knoebel, Nathan Taggart, James Homme.

Improving Medical Learners’ Knowledge of Systems-Based Practice Through a Community Resource Curriculum. Kathryn K. Osternaier, Dinah L. Godwin, Robert G. Voigt.


A Systems Based Practice Curriculum for Student Trainees: A Self-Directed Patient Centered Experience for Learners. Abhay Dandekar, Nuzhat Shaikh, Mary Spiller.


Does Completion of Case-Based Modules Improve Students’ Performance During a Pediatric Clerkship?. Debrah Meislich, Anat R. Feingold, William R. Graessle.


 Developing a Pediatric Curriculum on the Referral and Consultation Process. Jessica Weisz, Claire Boogaard, J. Lindsey Lane, Janice Hanson, Mary Ottolini, Dewesh Agrawal, Ellen K. Hamburger.

Creating and Implementing a High-Value Cost-Conscious Care Curriculum for Pediatric Residency Programs. Carolyn Avery, Suzanne Woods.


Feedback & Assessment

Early Career Experiences of Pediatricians Pursuing or Not Pursuing Subspecialty Fellowships. Bobbi J. Byrne, Sessa K. Katakam, Mary Pat Frintner, William L. Cull.


The Quality of Resident Feedback in Multiple Domains of Competence: Perspectives of Residents and Attendants. Anuja V. Jain, Daniel J. Schumacher.


Assessment of the Educational Experience for Patients With a New Chronic Illness. Marie Tanzer, Kahi Smith, Carrie Light, Denise Sherreff, Matthias Kretzler, Debbie S. Gipson.

Medical Student Self-Assessment Deteriorates over and above Skill Decay on a Retention Test of Radiograph Interpretation Skills. Robert Chiaramonte, Kathy Boutis, Martin Pecaric, Martin Pusic.


Assessing Baseline Competency: Are Pediatric Residents Unique?. Nathan S. Gollehon, R. Brent Stansfield, Monica L. Lyppard.


Influence of Faculty Evaluator on Medical Student Evaluation Score during a Pediatric Clerkship. Daniel J. Sklansky, Mary J. Lindstrom, Kristin Shadman.


Poster Session III

PAS/ASPR 2014
VANCOUVER

Author Attendance: 5:45pm–7:30pm
Poster Session III

510 Faculty and Resident Evaluation Satisfaction Unchanged After One Year of the Milestones. Sara M. Multerer, Kimberly A. Boland, Michelle D. Stevenson. Publication 3840.510

511 Quality & Patient Safety

3841 I-PASS Handoff: A Qualitative Study of Resident Experience. Maitreya Coffey, Kelly Thomson, Amy Starmer, Christopher Landrigan. Publication 3841.511

513 Impact of the I-PASS Study’s Faculty Development Program. Jennifer K. O’Toole. Publication 3841.513


515 Who Gives Good Sign-Out?. Stephen M. Borowitz, Linda A. Waggoner-Fountain. Publication 3841.515

516* The QIKAT-C: Validation of a New Tool To Assess Pediatric Trainees’ QI Skills and Knowledge. Stephanie K. Douplnik, Sonja J. Ziniel, James M. Moses. Publication 3841.516

517 Does Experiential Learning Count in QI Training?. Mariellen M. Lane, John C. Rausch, Alanna T. Forde, Daniel Hyman. Publication 3841.517


519 Trainee Education in Quality Improvement and Patient Safety at Boston Children’s Hospital. Jan Zenlea, Amy Billiet, Melissa Hazen, Daniel Herrick, Mari Nakamura, Jennifer Kesselheim. Publication 3841.519


3842 Technology

522 Using In-Situ Simulation To Prepare Clinical Staff for a New Facility. Douglas R. Thompson, Jennifer Reid, Kimberly Stone, Joan Roberts, Taylor Sawyer, Jamell Hassell, Elizabeth Evans. Publication 3842.522

523* Using Virtual Patient Cases To Explore Medical Student Interest in Pediatric Behavior and Mental Health. Peter S. Capucilli, David Garrison, Michael G. Prucha, Lynn C. Garfunkel. Publication 3842.523


526* Moderating the Effect of CPOE on Medical Error Risk in a Level IV NICU. Vinay Sharma, Anne Marie Reynolds. Publication 3842.526

527 Leveraging e-Learning in Medical Education. Kadiyce O. Lewis, Michal J. Cidon, Teresa L. Seto, Haiqin Chen, John D. Mahan. Publication 3842.527

528* Evaluation of Impact of “Apps on Sick Newborn Care” on the Knowledge and Skills of Nurses. Anu Sachdeva, V Prakash, Balachandra V. Adkoli, Ashok K. Deorari. Publication 3842.528

529 Simulation-Based Education in the Pediatric Clerkships: Results of the COMSEP Survey. Jennifer L. Trainor, Lucy Chang, Robert S. Greenberg, Elizabeth Vukin, Mitzi Scotten, Rebecca Tenney-Soehiro, Marc Auerbach, Robert Dudas. Publication 3842.529

530 The Effectiveness of Best Practice Guidelines in Improving Resident Progress Notes in an EHR. Shannon M. Dean, Leigh Anne Baker, Jens C. Eickhoff. Publication 3842.530


532* Text4Peds: Feasibility of a Text Messaging Curriculum for Pediatric Residents. Lauren Draper, Greg Adamson, Matt Broom. Publication 3842.532


534 The Development of a Software To Identify the Pain Facial Expression in the Newborn. Tatiana M. Heiderich, Ana T.F.S. Leslie, Ruth Guinsburg. Publication 3842.534


537 pedi-edtech: Faculty Development for Educational Technologies. Mark Wolfarth, Rudnicki Anne, Urbani Mary Jo, Patricia Beach, Virginia Niebuhr. Publication 3842.537


Neonatology

3843 Neonatal Resuscitation

539* Changes in PEEP and Airway Resistance With the Use of a T-Piece Device and Self-Inflating Bag in a Swine Model. Dharmesh Shah, Mark B. Tracy, Murray Hindler, James Marceau. Publication 3843.539

540 Preterm Babies Randomly Assigned To Be Blindly Resuscitated With Higher (60%) Vs. Lower (30%) Initial FIO. Effects on Oxidative Stress and Mortality. Marta Aguar, Elena Cubells, Javier Escobar, Julia Kuligowski, Martin Iriondo, Montserrat Izquierdo, Antonio Nunez, Maria Cernada, Maximo Vento.Publication 3843.540

541 A Delivery Room (DR) Score for Premies With Improved Interobserver Agreement. Monika Bhsola, Monyu T. Bashambu. Publication 3843.541


543* Cerebral Hypoxia during the Postnatal Transition of Very Preterm Infants Directly After Delivery by Cesarean Section. Tom G. Goos, Jeroen Dudink, Jenny Dankelman, Irwin K.M. Reiss. Publication 3843.543

*First Author is Trainee (fellow, house officer or student)

Publication 3843.543B


Publication 3843.544

545* Significance of Apnea at Birth Following Cesarean Section under General Anesthesia. Munmun Rawat, Sylvia F. Gugino, Daniel D. Swartz, Carmon Koenigskecht, Bobby Mathew, Jayasree Nair, Praveen K. Chandrasekharan, Satyan Lakshminrusimha.  

Publication 3843.545


Publication 3843.546


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Publication 3843.550

551 Discontinuation of Resuscitation (RESUS) in an Asystolic Newborn Should Only Be Considered after 10 Minutes (min) Following the Initial Intravenous Dose of Epinephrine (EPI). Scarlett McKinsey, Jeffrey Perlman.  

Publication 3843.551


Publication 3843.552


Publication 3843.553


Publication 3843.554

555* Chest Compression in Very Preterm Infants: Risk Factors and Short-Term Outcomes. Caitlan Reich, Georg Schmoelzer, Po-Yin Cheung, Manoj Kumar, Khalid Aziz.  

Publication 3843.555

556 Improving Accuracy of Heart Rate (HR) Assessment and Decreasing Errors in Delivery Room (DR) Resuscitation in the Newborn. Judith Joiner, Oliha Prijic, Monica Eisenberg, Mary grace Leveille, Jonathan Whitfield.  

Publication 3843.556

557* Quality Improvement Initiative for Reduction of Near-Miss Events in the Delivery Room. Sreenivas Karnati, Sharayu Rane, Subhash Puthuraya, Girija Natarajan, Sanjay Chawla.  

Publication 3843.557


Publication 3843.558


Publication 3843.559


Publication 3843.560

561 Improving the Speed and Accuracy of Auscultated Heart Rate (HR) Estimation in the Newborn: Pilot Human Clinical Study. Judith Joiner, Oliha Prijic, Mary Grace Leveille, Jonathan Whitfield.  

Publication 3843.561


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Publication 3843.565


Publication 3843.566


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Publication 3843.571


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Publication 3843.574


Neonatal ICU Admission Hyperthermia Is Associated With a Higher Incidence of Intraventricular Hemorrhage in Very Low Birth Weight Infants. Hala Chaaban, Patricia Williams, Carmen Taylor, Kimberly Ernst. Publication 3843.579

Placental Pathology Is Associated With Severity of Neonatal Encephalopathy (NE) and Abnormal Neurodevelopmental Outcomes (NDO) at 18-24 Months. Imran N. Mir, Sarah J. Welch, Larry S. Brown, Gautham Kandru, Charitharath V. Lal, Charles R. Rosenfeld, Lina F. Chalak. Publication 3843.580


Can Intubation Procedure Be Improved With Endotracheal Tubes Marked With a Color Scale?. Juan Pablo Beraraguet, Ramon Larcade, Adriana Aguilar, Adriana Castro, Aldana Avila, Rose Mari Soria, Ariel Fernandez, Nestor E. Vain. Publication 3843.582


High Correlation of NSE and S100B as Well as Tau-Protein and B-Amyloid in CSF after Hypoxia-Reoxygenation in a Neonatal Pig Model. Torkil Benterud, Ola Didrik Saugstad, Nils Bolstad, Anders Skinningsrud. Publication 3843.584

Rescuer Fatigue during Simulated Neonatal Cardiopulmonary Resuscitation. Elliot S. Li, Po-Yin Cheung, Megan O’Reilly, Khalid Aziz, Georg M. Schmolzer. Publication 3843.585

How Good Are Simulation Model Lungs?. Sue Coffey Zern, Stephen Pearlman, Thomas Blackson, Joseph Ciarlo, Robert Locke. Publication 3843.586


Precordial Doppler Ultrasound Achieves Earlier and More Accurate Newborn Heart Rates in the Delivery Room. Sonal Goenka, Mehbeen Khan, Robert I. Koppel, Howard S. Heiman. Publication 3843.590


NICU Practices, Procedures & Quality Improvement

Albumin Binding Capacity for Bilirubin Increases With Gestational Age and Validates Recent Expert Recommendations for Interventions. Angelo Lamola, Lizhong Du, Vinod K. Bhutani. Publication 3844.592


Impact of Donor Human Milk (DM) in a High Mothers’ Own Milk (MOM) Feeding Neonatal Intensive Care Unit (NICU). Aloka L. Patel, Laura M. Rogers, Yimin Chen, Celina M. Scala, Judy Janes, Carrie Renschen, Paula F. Meier, Jean M. Silvestri. Publication 3844.594


A Comparison of the Direct Cost of Care in an Open-Bay Versus Single-Room Neonatal Intensive Care Unit. D. Stevens, P. Thompson, B. Hsu, D. Munson, M. Khan. Publication 3844.597

Nice Guidance on the Management of Neonatal Early Onset Sepsis and Its Impact on Practice. Arindam Mukherjee, Louise Davidson, Nigel Kennea. Publication 3844.598


Does Liberal Sibling Visitation Increase the Rate of Nosocomial Infections in the NICU?: Susan M. Bedwell, Karen Corff, Michael Anderson, Kris Sekar. Publication 3844.600

Evaluation of NICU Electronic Progress Notes. Lacey Colligan, Stephen Borowitz, Cameron Coleman, Lauren Dobry, Sara James, Kevin McVey. Publication 3844.601


Infant-Driven Cue Based Feeding (IDF) Versus the Traditional Practitioner-Driven Feeding (PDF) Approach Leads To Earlier Attainment of Full Nipple Feeding (PNF) and Earlier Discharge in Premature Infants. Abigail C. Wellington, Jeffrey M. Perlman. Publication 3844.603

Effect of Pre-Medication Regimen on Infant Pain and Stress Response To Endotracheal Intubation. Curtis D. Caldwell, Kristi L. Watterberg. Publication 3844.604

Correlation of a Neonatal Clinical Procedural Pain Scale With a Physiologic Measure of Stress, the Blood Glucose. Curtis D. Caldwell, Kristi L. Watterberg. Publication 3844.604A
605* Outcomes of Extremely Preterm Infants After Delivery Room Cardiopulmonary Resuscitation. Sara C. Handley, Yao Sun, Myra H. Wyckoff, Henry C. Lee. Publication 3844.605

606 Managing Infant Stress During Targeted Neonatal Echocardiography in the NICU: A Randomized Controlled Trial. Liisa Holsti, Amelie Strizke, Eddie Kwan, Joseph Ting, Mohammad Jabra, Patrick J. McNamara, Amish Jam, Paul Brooks, Elavazhagan Chakkaranar, Rollin Brant, Derek Human, Pascal M. Lavoie. Publication 3844.606


608* Cryoprecipitate Transfusions in the Neonatal Intensive Care Unit: A Performance Improvement Study To Decrease Donor Exposure. Erin K. Tkach, Yong Zhao, Amy Mackley, Alison Brooks, David A. Paul. Publication 3844.608

609 Implementation of a Donor Milk Program Is Associated With Greater Consumption of Mother's Own Milk in a Single, U.S., Level 3 NICU. Margaret G.K. Parker, Laura A. Burnham, Emily Sanchez, Natalie Braun, Barbara Philipp, Anne Merewood. Publication 3844.609


616* Self-Disinfecting Siphons and Reduction of Pseudomonas aeruginosa Infections in a NICU. Christoph Fusch, David Pogorzelski, Salhab el Helou, Dominik Mertz. Publication 3844.616


621* Is Atropine Before Intubation of Term Neonates Justified? An Observation from the CoolRx2 Trial. Hannah Gill, Marianne Thoresen, Elisa Smit, Jonathan Davis, Xin Liu, John Dingley, Maja Elstad. Publication 3844.621


624 Neonatal Withdrawal Scores Differ By Age-Adjusted Gestational Age: A Retrospective Cohort Study in NICU Patients After Iatrogenic Opioid Exposure. Sindhu Perampalam, Alexander G. Agthe. Publication 3844.624


626* Early Postnatal Life Exposure To Oxidants Induces Prolonged Oxidative Stress and Increases the Incidence of Oxidative Stress Related Diseases in Infants Less Than 29 Weeks Gestational Age. Ibrahim Mohamed, Therese Rouleau, Wesam Elzemly, Jean-Claude Lavoie. Publication 3844.626

627 Morphine Versus Clonidine as A Single Drug Therapy in Neonatal Abstinence Syndrome: A Pilot Study. Thittairn Sithisarn, Rhonda Caldwell, Yingli Li, Julia Gibson, Karen Garlitz, Gilson Capilouto, Henrietta S. Bada. Publication 3844.627

628 Physiological Stability in Very Preterm Infants During Skin-to-Skin Care as Assessed By Near-Infrared Spectroscopy. Feven Davit, Johan Agren. Publication 3844.628

629 Factors Associated With Mortality in <27 Week Infants Born in Referral Hospitals Without Tertiary Neonatal Care. Elizabeth M. Bonachea, Rebecca Cook, Edward G. Shepherd. Publication 3844.629


631* Improving the Quality of Radiographs in Neonatal Intensive Care Unit Utilizing Educational Interventions. Ashish O. Gupta, Jeanne Rorke, Kabir M. Abubakar. Publication 3844.631


633* Decolonization of Methicillin Resistant Staphylococcus aureus : Role in the NICU. Young Hwa Jung, HanSuk Kim, Hye Rim Kim, Jusun Heo, Seung Han Shin, Ee-kyung Kim, Jung-Hwan Choi, Hye Jeong Jin. Publication 3844.633

634* Randomized Trial of Intense Lactation Education To Increase Consumption of Mother's Own Milk in a Single, U.S., Level 3 NICU: A Randomized Controlled Trial. Autumn S. Kiefer, Rebecca S. Rose, Mary Beth Koch, Scott C. Denne. Publication 3844.634


636* A Mother’s Stress during Her Infant’s NICU Hospitalization. Chantal Lau, E. O’Brien Smith. Publication 3844.636

637* Thermoregulation Strategies for Late Preterm Infants Admitted To the Continuing Care Nursery (CCN): A QI Initiative. Tara Menon, Jennie Flemming, Gary Rockwell, Paul Visintainer, Rachana Singh, Robert Rothstein. Publication 3844.637
Publication 3844.638

Publication 3844.639

640* Cost Effectiveness of Pulmonary Hypertension Screening Echocardiograms in ELBW Infants. Suna Seo, Jennifer Berg, Anica Bulic, Robin Doroshow, Karen Kamholz, Jayashree Ramasethu. 
Publication 3844.640

641 Approaches To Saturation Alarm Fatigue in a Single-Patient Bed Unit. Anastasia K. Ketko, Rebecca Vartanian, Michelle Nemshak, Craig Martin. 
Publication 3844.641

Publication 3844.642

Publication 3844.644

645 Procedural Pain and Oxidative Stress in the Newborn. Simona Negro, Carlo Valerio Bellienni, Serafina Perrone, Mariangela Longini, Maria Luisa Tatarannno, Fabrizio Proietti, Cosetta Felici, Lorenzo Iantorno, Anna Picardi, Giuseppe Buonocore. 
Publication 3844.645

Publication 3844.646

Publication 3844.647

Publication 3844.648

649 Women’s Experiences of the Prenatal Consultation for Preterm Labor: Neonatologists as Highlights, and Opportunities for Improvement. Nathalie Guacher, Sophie Nadeau, Alexandre Barbier, Antoine Payot. 
Publication 3844.649

650 Should We Routinely Weight-Adjust Caffeine Dose in Premature Infants Having Apnea Episodes?. Jennifer K. Kurtz, Gladys El-Chaar, Susanna Castro-Alorcazar. 
Publication 3844.650

651* Is There a Role for Post-Mortem MRI in the NICU? A Prospective Single Center Study. Kristen Leadbetter, Geetika Khanna, Joshua Shimony, Frances White, Amit Mathur. 
Publication 3844.651

Publication 3844.652

Publication 3844.653

654* Human Breastmilk Feeding as the Cultural Norm: A Quality Improvement Project To Increase the Use of Human Breast Milk in Very Low Birth Weight (VLBW) Infants in the Neonatal Intensive Care. Maria Fe B. Villlosis, Nerissa L. Badillo, Marlene M. Grant, Maria Rosario T. Maun, Lori F. Speers. 
Publication 3844.654

655* Prematurity Is a Risk Factor for Colonization With Resistant Bacteria in a Neonatal Intensive Care Unit. Matilda Wahlberg, Anders Elfvin, Arne Kotz, Mia Wede. 
Publication 3844.655

Publication 3844.656

Publication 3844.657

APS/ASPR Student Research Program

Bridget Hughes

Publication 3844.658

659 Safe Sleeping Guidelines - Are We Promoting Best Practice? Josh Griffin, Alicia Heald, Lucy Davidson, Alison L. Kent. 
Publication 3844.659

Publication 3844.660

3845 Neonatal Potpourri

661 Epigenetic Remodeling Required To Activate the IGF1 Growth Hormone Responsive Element Is Vulnerable To Perinatal Insults. Camille M. Fung, Xing Yu, Christopher W. Callaway, Julia Wiedmeier, Robert A. McKnight. 
Publication 3845.661

Publication 3845.662

Publication 3845.663

Publication 3845.664

Publication 3845.665

Publication 3845.666

667 Delayed Cord Clamping of Term Infants Improves Neurodevelopmental Functions at Four Years of Age - Follow-Up of a Randomized Trial. Ola Andersson, Barbro Lindquist, Magnus Domellof, Lena Hellstrom-Westas. 
Publication 3845.667

668 Indomethacin Administered Early in the Postnatal Period Results in Reduced Glomerular Number in the Adult Rat. Alison L. Kent, Mark E. Koina, Lina Gubhaju, Luise Cullen-McEwen, John F. Bertram, John Lynnhtun, Bruce Shadbolt, Michael C. Falk, Jane E. Dahlstrom. 
Publication 3845.668
669  Greater Than 48 Hours of Antenatal Steroid Exposure Is Associated With Improved Composite Neonatal Outcomes. Priya Jegatheesan, Dongli Song, Madhu Manani, Balaji Govindaswami.  
Publication 3845.669

SPR House Officer Research Awards

Kriti Puri

Publication 3845.670

Publication 3845.671

Publication 3845.671A

Publication 3845.672

673*  Cytokine Levels in Amniotic Fluid and Umbilical Cord Blood of Preterm Neonates With Severe Morbidity and Suspected Sepsis. Panagiotis Tsiartas, Karin Savman, Anna Thorell, Henrik Hagberg, Bo Jacobsson.  
Publication 3845.673

Publication 3845.674

675*  Perfusion Index in Very Preterm Infants Admitted To the Neonatal Intensive Care Unit. Courtney Nicholas, Ruby George, Rowena Cayabyab, Smeeta Sardesai, Manuel Durand, Rangasamy Ramanathan.  
Publication 3845.675

676  Low 25-Hydroxyvitamin D Level and Adiponectin Is Associated With Insulin Sensitivity in Large Gestational Age Infants. Ferhat Cekmez, Gokhan Aydemir, Ozgur Pirgon, Turan Tunc, Serdar Umit Sarici.  
Publication 3845.676

Publication 3845.677

Publication 3845.678

Publication 3845.679

Publication 3845.680

681  Improving Neonatal Disaster Preparedness in NYC Pre and Post Sandy. Michael Frogel, Randi Wasserman, Michael Espiritu, Howard Heiman, Emily Raisch, Nora Caplan, George Foltin.  
Publication 3845.681

682  IUGR Induced By Thromboxane A_2-Analog Infusion in a Mouse Model Does Not Cause Placental Pathology. Camille M. Fung, Ashley S. Brown, Katherine N. Gibson-Corley.  
Publication 3845.682

Publication 3845.683

684  Randomized Controlled Trial on Kangaroo Mother Care in Bogotá: Cost-Utility Analysis. Juan Gabriel Ruiz, Nathalie Charpak, Mario Castillo.  
Publication 3845.684

Publication 3845.685

Publication 3845.686

687*  Comparison of Breast Milk With Powdered Human Milk Fortifier (PHMF) and Liquid Human Milk Fortifier (LHMF) on Nutrition and Growth Parameters of VLBW Infants. Sravanti Kurada, Medha Kamat, Manhal Khilfeh, Suseela Johnson.  
Publication 3845.687

688*  Successful Primary Use of VVDL+Y ECMO in Neonatal Respiratory Failure. Jessica L. Roberts, Sarah Keene, Micheal Heard, Theresa Gauthier.  
Publication 3845.688

Publication 3845.689

690*  Screening for Osteopenia of Prematurity: a Meta Analysis. Frederick Ogwara, Arpit Argawal, Peter Homel, Alok Bhutada, Shantanu Rastogi.  
Publication 3845.690

691  Impact of Kangaroo Care on Parental Anxiety Level and Parenting Skills for Low Birth Weight Preterm Infants in the Neonatal Intensive Care Unit. Rachel Rothstein, Paul Visintainer, Susan Sweeney, Robert Rothstein, Rachana Singh.  
Publication 3845.691

Publication 3845.692

693  Evidence That Soluble Receptor Activator of Nuclear Factor-κB Ligand-(sRANKL) and Cross-Linked N-Telopeptide of Type I Collagen-(NTX) Are Present in Human Milk:their Possible Impact on Maternal and Neonatal Bone Metabolism. Despina D. Briana, Maria Bouroutzoglou, Maria Boutsikou, Antonios Marmarinos, Stavroura Baka, Theodora Boutsikou, Dimitriosourgiotis-Ariandne Malamissi-Puchner.  
Publication 3845.693

694*  Extraterine Growth Restriction in VLBW Infants at a Tertiary NICU. Tina S. Mathai, Sudhir Sriman, Bree Andrews.  
Publication 3845.694

695*  Perceptions of Medical Decision-Making and Incidence of Acute Stress Disorder Among Parents of Infants Briefly Admitted To the NICU. Bonnie H. Arzuaga, Catherine L. Wraith, William Meadow.  
Publication 3845.695

Publication 3845.696

Publication 3845.697

Publication 3845.698

700* Cerebral, Renal, and Splanchnic Tissue Oxygenation in Term Infants Born By Vaginal Delivery Versus Cesarean Section. Alexandra Almanzar Morel, Sunil P. Malhotra, Pradeep Mally, Sean M. Bailey.


703* Contrast Enema and Risk of Sepsis in Premature Babies: A 12-Year Retrospective Study. Arpit Agarwal, Frederick Ogwara, Peter Homel, Danielle Laraque, Panayot Filipov.


708* Does Severe Hypotension in the First 72 Hours Predicts Outcome in Extremely Low Birth Weight (ELBW) Infants? Prashant Malviya, Sravanti Kurada, Janardhan Mydam, Richa Lakhotia, Manhal Khilfeh, Alok Rastogi.

709* Survival after Extremely Preterm Delivery at 23 Weeks Gestational Age in Edmonton. Linda Mahgoub, Juzer Tyebkhan.

710 The Influence of Late Preterm Birth on Infant Body Composition at Term Corrected Age. Anne C. Doolan, Amy C. O’Higgins, Clare O’Connor, Michael Turner, Edna F. Roche, Margaret Sheridan-Pereira.


712 Neonatal Hypertension – A Long Term Follow-Up Study. Tejasvi Chaudhari, Michael C. Falk, Rajeev Jyoti, Alison L. Kent.


718 The Spectrum of Mortality and Morbidity in Moderate Preterm Infants (MPT). Michele Walsh, Abbot Laptops, Barbara Stoll, Seetha Shankaran, Sarah Kandefer, Noah Cook.


721* Early Intervention (EI) Services and Functional Outcomes at School-Age for Infants Discharged from the NICU. Jonathan S. Litt, Penny Hauser-Cram, Thomas Hehir, Marie McCormick.


723 Changes in Care Practices, Morbidity, and Mortality among Extremely Low Gestational Age Neonates Over the past 20 Years. Barbara J. Stoll, Nellie I. Hansen.


725 Preterm Infant Growth and Asthma at Age 8 yrs. Mandy Belfort, Robyn Cohen, Lawrence Rhein, Marie McCormick.

726 Evaluation of Transcutaneous Bilirubin Nomogram for Identifying Neonatal Hyperbilirubinemia in Healthy Term and Late-Preterm Infants: A Multicenter Study and Systematic Review. Shuping Han, Zhangbin Yu.


729 Incidence, Etiology, and Outcome of Total Serum Bilirubin Levels ≥ 30 mg/dL. Michael W. Kuzniewicz, Andrea C. Wickremasinghe, Soora Wi, Eileen M. Walsh, Thoman B. Newman.

730 Are Clinical Investigators Addicted To Research? Implications for Oversight and Regulation. John D. Lantos.


733 Feeding Patterns of Preterm Infants Through the First Year of Life. Reena Oza-Frank, Kelly A. McNamara, Sheela R. Geraghty, Katherine E. Strafford, Chelsea E. Dillon, Rachel Ronau, Sarah A. Keim. Publication 3846.733

734 Is Pulse Oximetry Screening for Critical Congenital Heart Disease (CCHD) Effective in the NICU? Vivien Carrion, Veena Manja, Bobby Mathew, Satyan Lakshminrusimha. Publication 3846.734


738* Serum Albumin in Extremely Low Birth Weight Infants: Prediction of Mortality. Jae Hyun Park, So Yoon Ahn, Soo Young Choi, Myung Sook Lee, Hye Soo Yoo, Se In Sung, Yun Sil Chang, Won Soon Park. Publication 3846.738


742 Neonatal Outcomes in VLBW Infants: Effects of Twin Birth, Chorionicity and Birth Weight Discordance. Laura Bassi, Paola Schiavolin, Sara Uccella, Giuseppe Damiano, Agnese De Carli, Francesca Dessimone, Silvia Pisoni, Ida Sirgiovanni, Monica Fumagalli, Dario Consonni, Fabio Mosca. Publication 3846.742

743 Pilot Study To Assess Effectiveness of Incentives To Overcome Barriers To Rush Neonatal High-Risk Follow-Up Clinic Attendance. Tricia J. Johnson, Aloka Patel, Kousiki Patra, Michelle Greene, Harold Bigger, Janet Engstrom, Paula Meier. Publication 3846.743

744 The Use of Medical Resources of Preterm Infants after Discharge from NICU in Korea. Jang Hoon Lee, Myo Jing Kim, Young Don Kim, Eun Sun Kim, Eun Song Song, Soon Min Lee, Jin A. Lee, Meayoung Chang, Hyun-Seung Jin, Jong Hee Hwang, Yun Sil Chang. Publication 3846.744

745* Parental Self-Efficacy Is Associated With Early Intervention (EI) Service Intensity for Infants Discharged from the NICU. Jonathan S. Litt, Penny Hauser-Cram, Thomas Hehir, Marie McCormick. Publication 3846.745


748 H2BA and PPI Administration To Infants Within the Neonatal ICU: Evidence of Overuse? Jonathan L. Slaughter, Patricia B. Reagan, Micheal R. Stenger, Suddarshan R. Jadczyk. Publication 3846.748

749 Infant Mortality Due To Birth Defects and Pesticides Exposure in California Counties. Paul D. Winchester, Cathy Proctor, Jun Ying. Publication 3846.749


751 State Variation in Hospital Readmission Rates of Neonatal Intensive Care (NICU) Patients. Scott A. Lorch, Molly Passarella, Ashley Zeigler, Jeffrey H. Silber. Publication 3846.751

752 Neonatal Outcomes: Examining the Risks among Late Preterm, Early Term and Late Term Infants on the US-Mexico Border. Ma Teresa A. Ambat, Maria Theresa M. Villanos, Deepak Yadav, Francis Ostrea, Zuber Mulla. Publication 3846.752

753* Stability and In-Hospital Outcomes in Extremely Preterm Infants Following Introduction of a Resuscitation Team. Julia Baum, William Li, Georg Schmoelzer, Po-Yin Cheung, Khalid Aziz. Publication 3846.753


756 Maternal Obesity and Delivery Room Outcomes for Late Preterm Infants. Rubia Khalak, Scott Dexter, James Cummings. Publication 3846.756


758 Neonatal Outcomes Following Spontaneous and Non-Spontaneous Onset of Labor at Late and Moderately Preterm Gestations. Elaine M. Boyle, Samantha Johnson, Elizabeth S. Draper, Bradley N. Manktelow, Sarah Seaton, T. Alun Evans, Lucy K. Smith, Neil Marlow, David Field. Publication 3846.758

759* Prognostic Variables During the trial of Therapy for ELBW Infants: HUS, Clinical Intuitions and Duration of Ventilation. Caitlyn Chicoine, Patrick Myers, Bree Andrews, William Meadow. Publication 3846.759


**Poster Session III**

**Neonatology / Retinopathy of Prematurity**

3847  **Pathogenesis / Angiogenesis**

Publication 3847.779

780  Response of Human Retinal Endothelial Cells (HRECs) To Small Interfering RNA (siRNA) Silencing of Notch-1, Delta-Like Ligand 4 (Dll4), and Jagged-1 During Hyperoxia With Intermittent Hypoxia (IH). Kay D. Beharry, Charles L. Cai, Taimur Ahmad, Gloria B. Valencia, Douglas R. Lazzaro, Jacob V. Aranda.  
Publication 3847.780

781  Progressive Photoreceptor Degeneration Associated With Retinopathy of Prematurity (ROP): Role for Early Choroidal Involvement Due To the Pro-inflammatory IL-1β. Tianwei (Ellen) Zhou, Jose Carlos Rivera, Isabelle Lahaise, Zhuo Shao, Anna Polosa, Allison Dorfman, Pierre Lachapelle, Sylvain Chemtob.  
Publication 3847.781

782  A New Role for the Krebs Cycle Intermediate α-Ketoglutarate and Its Receptor, GPR59, in Retinal Angiogenesis. Francois Dahamel, Karine Zaniolo, Houda Tahiri, Sophie Tremblay, Sylvain Chemtob.  
Publication 3847.782

783  Surfactant Protein A Impacts Both Vascular Regression and Neoproliferation in a Mouse Model of Oxygen Induced Retinopathy. Faizah N. Bhatti, Geneveive Ball, Madeline Edwards.  
Publication 3847.783

3848  **Screening / Risk Assessment**

Publication 3848.786

Publication 3848.787

788  Reduced Number of ROP Screening Examinations With the Use of WINROP in Infants With a GA>28 Weeks+6 Days at Birth. Carola Pfeiffer Mosesson, Chatarina Lofqvist, Anna-Lena Hard, Ann Hellstrom.  
Publication 3848.788

Publication 3848.789

790  Risk of Development of Severe Retinopathy of Prematurity in Very Low Birth Weight Infants. Susan Hupp, Rachel Greenberg, Michael Cotten, Reese Clark, Matthew Laughon, Christoph Hornik, Kevin Watt, P. Brian Smith.  
Publication 3848.790


793 Incidence of Retinopathy of Prematurity in a Cohort of 12,921 Premature Infants Followed in the Kangaroo Mother Care Programs of Bogota and Medellin. Nathalie Charpak, Juan Gabriel Ruiz. Publication 3848.793

794* Trends in the Incidence and Prevalence of Severe Retinopathy of Prematurity (ROP): A Population Based Study. Sarah J. Hughes, Bethan Copsey, Elaine Boyle, Elizabeth Draper, Alun Evans, Bradley Manktelow, David Field. Publication 3848.794


3849 Treatment / Prevention


797* Moderate Oxygen Saturation Targets May Decrease Severe ROP without Increasing Mortality. Courtney E. De Jesso, Judith Palafoutas, Jayashree Ramasethu. Publication 3849.797

798* The Effect of Blood Transfusion on Fetal Haemoglobin Concentration in Very Preterm Infants and Its Association With Retinopathy of Prematurity: Pilot Prospective Cohort Study. Christopher J. Stutchfield, Anoo Jain, David Odd, Cathy Williams, Richard Markham. Publication 3849.798


800 Normal Revascularization of the Ischemic Retina in the OIR Mouse Model of ROP Is Promoted by Protease-Activated Receptor 2 (PAR2) Via Negative Modulation of IL-1RI. Nicholas Sitaras, Jose Carlos Rivera, Baraa Nouched, Milsa Bien-Aime, Przemyslaw Sapieha, Jean-Sebastien Joyal, Sylvain Chemtob. Publication 3849.800

801 Serum Concentrations of Bevacizumab (Avastin) in Premature Infants With Stage 3+ Retinopathy of Prematurity Treated With Intravascular Bevacizumab. Sophia Tsakiri, Christine Demoskose, Lingkun Kong, Joe Alcorn, Diana S.-L. Chow, Helen A. Mintz-Hittner. Publication 3849.801

5:00pm-7:00pm

3925A IPHA General Business Meeting
Vancouver Convention Centre - West 221

All current IPHA members as well as other interested individuals are invited to join us for discussion of current and upcoming IPHA activities.

5:45pm-7:00pm

3950A Perinatal Nutrition and Metabolism Club: Translating Nutritional Scientific Knowledge into Nutritional Products
Vancouver Convention Centre - West Ballroom C

Target Audience: Scientists and clinicians involved with nutritional research and whose focus is on the provision of nutritional support to high risk infants.

Objectives:
- Describe steps involved in the translation of new nutritional findings to the appearance of new products in the clinical arena
- Discuss factors such as the strength of scientific data and regulatory issues that influence the development of new nutritional products
- Discuss the role of clinicians/investigators in facilitating this translational process

Chairs: Richard Allan Ehrenkranz, Yale University School of Medicine, New Haven, CT, and Brenda Poindexter, Indiana University School of Medicine, Indianapolis, IN

Each year research studies report nutritional and metabolic findings that will supposedly improve the nutritional status, growth and outcomes of infants, especially preterm infants. However, it seems that translating those observations into improving nutritional products often takes years, if even accomplished. This session will use current or recent examples of nutritional findings to review the challenges of translating new scientific knowledge into nutritional products.

5:45 Translating Nutritional Scientific Knowledge into Nutritional Products
Russell J. Merritt, USC, Los Angeles, CA

Supported by an unrestricted educational grant from Abbott Nutrition

Contact for Information:
Brenda Poindexter
Indiana University School of Medicine
Phone: 317-274-4768
Email: bpoindex@iu.edu

7:45pm-9:00pm

3985A Lung Club: The Newborn Lung: Handle with Care!
Waterfront Ballroom

Target Audience: Neonatologists, pediatric pulmonologists, biologists, epidemiologists.

Objectives:
- Understand the biologic underpinnings of neonatal lung disorders
- Understand the biologic rationale for therapeutic interventions to prevent or treat lung injury in early life
- Understand the longer term implications of neonatal respiratory disorders

Chairs: Richard J. Martin, Rainbow Babies & Children's Hospital, Cleveland, OH, and Robin H. Steinhorn, UC Davis Children's Hospital, Sacramento, CA

The Lung Club focuses on integration of basic science, translational research, and clinical trials as they impact upon neonatal respiratory disorders and their longer term outcome.

7:45 Lung Club: The Newborn Lung: Handle with Care!
Peter G. Davis, The Royal Women's Hospital, Parkville, Vic, Australia

8:30 Discussion
**Tuesday, May 6**

**POSTER SESSION IV**

Author Poster Set Up: 12:00-4:15pm  
Poster Removal: 7:30-8:00 pm  
Posters Available for Viewing: 7:00-11:00am  
Author Attendance: 7:30-9:00am

7:00AM - 11:00AM  
Posters Available for Viewing  
Vancouver Convention Centre - Hall C

**Hematology / Oncology**

**4100**

1* Urinary Biomarker Association With Clinical Toxicity in Pediatric Oncology Patients Treated With High Dose Methotrexate.  
Andrew J. Bukowski, Stuart L. Goldstein, Maureen M. O’Brien.  
Publication 4100.1

2* Analysis of Hematopoietic Disorders in Down Syndrome Using Trisomy 21 iPSCs and Gene Targeting Technologies.  
Khimihiko Banno, Yasuji Kitabatake, Sayaka Omori, Katsuya Hirata, Nobutoshi Nawa, Hitomi Arahori, Kazuko Wada, Keiichi Ozono.  
Publication 4100.2

3 The Efficacy of a Liquid Formulation of Deferiprone in Young Children With Transfusion-Induced Iron Overload: One-Year Experience.  
Ampaiwan Chuansumrit, Duantida Songdej.  
Publication 4100.3

4 Predictors of In-Hospital Mortality in Children and Adolescents With Sickle Cell Disease: A Pediatric Health Information System Database Analysis.  
Ram Kalpathi, Troy Richardson, Bradley Wardy, Gerald Woods, Jignesh Dalal.  
Publication 4100.4

5* Does Surveillance Imaging of Childhood Rhabdomyosarcoma Improve Patient Survival?.  
Jody Lin, Paul Guillerman, Heidi Russell, Philip Lupo, Fathu Okeu.  
Publication 4100.5

6* Relation of Iron Burden To Cardiac Function in Pediatric Patients With Sickle Cell Disease.  
Michelle Olson, Camden Hebson, Alexandra Ehrlich, Carey Lamphier, Tamara New, Ifeinywa Osunkwo, Ritu Sachdeva.  
Publication 4100.6

7 Metabolomics Comparison of Irradiated and Non-Irradiated Stored Donor Red Blood Cells.  
Publication 4100.7

8* Pulmonary Micronodules Do Not Predict Survival in Children and Young Adults With Osteosarcoma.  
Jason Romanick, Paul Kent, Cara Cipriano, Lauren Brockman, Jeff Ording, Robert Hartemeyer, Steven Gitelis.  
Publication 4100.8

9* Neuroblastoma and Mitochondria Dynamics.  
Manika Sharma, James A. Graves.  
Publication 4100.9

10* Overexpression of YCAM-1 Promotes Lung and Draining Lymph Node Metastasis in a Murine Osteosarcoma Model.  
Jaclyn Bjelac, Francesca Scrimieri, Iuliana Bit Dobanga, Alex Huang.  
Publication 4100.10

11* Effects of TPO, Romiplostim and Eltrombopag on Neonatal vs. Adult Human Megakaryopoiesis.  
Enoke Deschmann, Zhi-Jian Liu, Haley Ramsey, Martha Sola-Visner.  
Publication 4100.11

12 Incidence and Risk Factors for Hospital-Acquired Venous Thromboembolism in Pediatric Patients.  
Amy B.W. LaMothe, Kathleen B. Kopcz, Evan R. Horton, Alexander Kneer, Satkiran S. Grewal.  
Publication 4100.12

Anna Hays, Hanna Moisander-Joyce, Jennifer Levine.  
Publication 4100.13

14 Detection of Elevated End-Tidal Carbon Monoxide Concentration in Children With Sickle Cell Anemia.  
Ashutosh Lal, Lasandra Patterson, Alissa Goldrich, Anne Marsh, Kristen Yen, Anish Bhatnagar.  
Publication 4100.14

15* Parents’ Perspectives on Testing and Communicating With Adolescents about Cancer Genetic Risk.  
Publication 4100.15

16* Propanolol Disrupts β-Adrenergic Signaling in Kaposi Sarcoma Cells.  
Shane C. McAllister.  
Publication 4100.16

17* Influence of Median Household Income (MHI) and Insurance on Physical Activity (PA) and Sleep among Children With Cancer.  
Publication 4100.17

18 Developmental Differences Between Newborn and Adult Mice in Response To Romiplostim.  
Katherine Sparger, Nan Li, Zhi-Jian Liu, Haley Ramsey, Martha Sola-Visner.  
Publication 4100.18

Hui Zhao, Flora Kalish, Stephanie Schulz, Yang Yang, Ronald J. Wong, David K. Stevenson.  
Publication 4100.19

20 Familial Haploidentical (FH1) T-Cell Depleted (TCD) Allogeneic Stem Cell Transplantation (AlloSCT) With T-Cell Addback for Pediatric Patients With High Risk Sickle Cell Disease (IND 14359).  
Publication 4100.20

21 Occurrence, Evaluation and Outcomes of Incidentally Observed Neutropenia in a Pediatric Outpatient Population.  
Neel S. Bhatt, Sheriff M. Badawy, Edwin N. Forman.  
Publication 4100.22

**APS/SPR Student Research Program**

Annmarie Fox

23* Promoting Healthy Lifestyles for Patients and Families With Pediatric Cancer or Hematologic Disease.  
Annmarie Fox, Kimberly J. Dilley.  
Publication 4100.23

24 Improving Time To First Dose of Parenteral Antibiotic in Febrile Immunocompromised Children: A Single Institution Collaborative Project.  
Joel Hettler, Teresa Kanev, Elizabeth Gale, Satkiran Grewal.  
Publication 4100.24

25 Influenza and Pneumococcal Vaccination Coverage of Children With Sickle Cell Disease.  
Anna M. Hofstetter, Maureen Licursi, Nancy Green, Ana Subramony, Melissa S. Stockwell.  
Publication 4100.25

**APS/SPR Student Research Program**

Sun Mei Liu

26* Identifying the Extent To Which Mutated Genes from Two AML Studies Are Verified in PubMed.  
Publication 4100.26
Individual Dose Based on the In Vivo Recovery Test Is Essential for Treatment of Hemophilia Patient. Kun S. Lee. Publication 4100.41

Chromosomal Analyses of the 7,700 Cases; an Experience in a Single Hospital for 25 Years. Kun S. Lee. Publication 4100.42

Assuring Lifetime Quality Care and Support for Childhood Cancer Survivors. Mary L. McBride, Carolyn Gotay, Shannon Vogels, Sharon Relova, Karen Goddard, Sheila Pritchard, Linda Siegel, Paul Rogers. Publication 4100.43

Educational Symposia as an Intervention To Increase Awareness and Understanding of Retinoblastoma in Resource Limited Settings: Improving Diagnosis and Care. Michele L. Nassin, Kariisse Caranto, Catherine Lam, Carlos Rodriguez-Galindo, Ana Patricia Alcasabas, Mae Dolendo. Publication 4100.44

Immunologic Status of Hepatitis B and C Viral Infections in Children With Severe Thalassemia Receiving Regular Blood Transfusion. Rungrote Natesirirunk, Pimlak Charoenkwan, Worawut Choeypresent, Alisara Damrongmanee, Penninah Oberdorfer. Publication 4100.45


Everolimus Therapy for Tuberous Sclerosis With Subependymal Giant-Cell Astrocytoma (SEGA) and Renal Angiomyolipoma (AML). Shingo Yamanishi, Yujiro Tanabe, Shuichi Fujii, Yusuke Ozaki, Atsushi Takagi, Kentaro Kuwabara, Toru Igarashi, Miho Maeda, Yasuhiko Itoh. Publication 4100.47


Is Immunizing Children Receiving Chemotherapy With the Hepatitis B Vaccine Providing a False Sense of Protection?. Tamara MacDonald, Victoria Price, Noni MacDonald. Publication 4100.49

Establishment of Japanese Guideline of Long-Term Follow-Up Care for Survivors of Childhood Cancer. Miho Maeda, Hiroki Horie, Naoko Maeda, Akira Hayakawa, Chikako Kiyotani, Yasushi Ishida. Publication 4100.50

Testing the Knowledge of Umbilical Cord Blood Banking. Amina Rafique. Publication 4100.51

Platelets as the Opossum Salsa That Promotes Ingestion of Microbes During Neonatal Sepsis. Lila S. Wahidi, Jan Sherman, Michael P. Sherman. Publication 4100.52


4101 Transfusions & NEC


The Effects of Packed Red Blood Cell Storage Time and Anemia on Intestinal Inflammation in Very Low Birth Weight Infants. Thao (Tina) Ho, Alan Schwartz, Akhil Maheshwari, Angel Luciano, Maureen Groer, Terri Ashmeade. Publication 4101.56

The Effect of Packed Red Blood Cell Transfusions on Intestinal Inflammation in Very Low Birth Weight Infants. Thao (Tina) Ho, Branko Miladinovic, Ming Ji, Angel Luciano, Maureen Groer, Terri Ashmeade. Publication 4101.57
58* Transfusion Is Associated With a More Severe Form of Necrotizing Enterocolitis (NEC): Retrospective Analysis of Data from a Tertiary Care Center over a 10 Year Period. Parvesh Mohan Garg, Srikanth Ravisanankar, Bhan U, Scott MacGilivray, Shekhawat Prem. Publication 4101.58

59* Transfusion Associated NEC Reduced After NPO Protocol Change Around RBC Transfusions. Stephanie M. Prescott, Linda Tribble, John North, Rebecca Q. Beck. Publication 4101.59

60* The Development of Necrotizing Enterocolitis After Packed Red Blood Cell Administration. Katrina Jhiun, Fiona Wertheimer, Lorayne Barton, Smeeta Sardeai, Rangasamy Ramanathan. Publication 4101.60

61* Increased Monocytes and Bands Following RBC Transfusion: Precurser To NEC? Andrew M. Ellefson, Robert G. Locke, Yong Zhao, Amy B. Mackley, David A. Paul. Publication 4101.61

62* Perinatal Characteristics Associated With Transfusion Related Necrotizing Enterocolitis. Jessica Dodge, Naveed Hussain. Publication 4101.62

4102 Intestinal Microbiome / Probiotics

63 Human Milk Oligosaccharides as Markers of Dysbiosis in Premature Infants. Mark A. Underwood, Stephanie C. Gaclrn, Nicholas A. Bokulich, Karen M. Kalanetra, David A. Mills, Carlito B. Lebrilla. Publication 4102.63

64 Snapshot of Probiotic Use in the US: Is NEC Reduced? Bradley A. Yoder, Reese H. Clark, Alan R. Spitzer. Publication 4102.64

65* Introducing Routine Probiotics for Preterm Neonates: Experience in a Tertiary Australian Neonatal Intensive Care Unit. Girish Deshpande, Vijay Shingde, Lyn Downe, Marcel Lerot, Jing Xiao. Publication 4102.65

66 Comparison of Stool Colonization in Premature Infants by Three Dose Regimes of a Probiotic Combination: A Randomized Controlled Trial. Sourabhi Dutta, Pallab Ray, Anil Narang. Publication 4102.66


69 Exposure of Newborn Infants To Lactobacillus acidophilus and the Frequency of Necrotizing Enterocolitis and Nosocomial Infection. Martha Lucia Baez. Publication 4102.69

70* Antibiotics Exposure: Risk Factor for Necrotzing Enterocolitis in Very Low Birth Weight Infants. Sussan Mbi Ndakor, Alexander G. Agthe, Rose M. Viscardi, Hyung C. Woo. Publication 4102.70

4103 NIRS / GI Perfusion & Oxygenation


72* Splanchnic Tissue Oxygenation in Preterm Infants With Significant Anemia: Observations under Near Infrared Spectroscopy. Catherine Braski, Mannni Loertscher, Christian Yost, Carrie Rau, Karie Bird, Kimberlee Weaver Lewis, Jill Burnett, Kim Friddle, Mariana Baserga, Mariana Baserga. Publication 4103.72

73 Effect of Blood Transfusions on Cerebral and Splanchnic Oxygenation in Preterm Neonates. Beena G. Sood, Kathleen McLaughlin, Meenakshi Gupta, Madhuri Kolli, Arun Amaram, Janet Pizzino, Xinguang Chen. Publication 4103.73


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543 Effect of Medical Home Status on Attitudes about Urgent Care Utilization in Medicaid and SCHIP Members. Carl D. Tapia, Jean Raphael, Xuan Tran, John McKeever, Angelo Giardino. 

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544 Emergency Room Use Among Late Preterm Vs. Term Infants Enrolled in Home Visiting. Neera Goyal, Alonzo Folger, Eric Hall, Robert Ammerman, Judith Van Ginkel, Riva Pickler. 

Publication 4139.544


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546 Variation and Outcomes Associated With Direct Admission among Children With Pneumonia in the United States. JoAnna K. Lelyena, Meng-Shiou Shieh, Tara Lagu, Penelope S. Pekow, Peter K. Lindner. 

Publication 4139.546


Publication 4139.547


Publication 4139.548

549 Pediatricians as Immigrant Children. Lynn M. Olson, Mary Pat Frintner. 

Publication 4139.549


Publication 4139.550


Publication 4139.551


Publication 4139.552


Publication 4139.553

554* Parent Satisfaction With Infant Care and Its Correlation To Health Care Attitudes and Clinical Outcomes. Elizabeth Enlow, Michelle Macheras, Scott A. Lorch. 

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557 Economics of Developmental-Behavioral Services in Primary Care. Frances P. Glascoe. Publication 4139.557

558 Repeat Dexamethasone Dosing for Inpatients With Group. Sridaran Narayanan, Lauren Nassettas, Nichole Samuy, Chang L. Wu, Paul Scalici. Publication 4139.558

559 Can a Developmental Screening Program Be Sustained in Primary Care?. Heather A. Paradis. Publication 4139.559


561* Adolescent Interest in Research Participation, as Influenced by Recruitment by Physician vs Volunteer. L. O’Connell, L. An, D. Singer, M. Davis. Publication 4139.561

562* Safety and Efficacy of Continuous Albuterol Administration for Acute Asthma in a General Pediatric Ward. Eric Coon, Bernhard Fassl. Publication 4139.562

563 Racial Differences in Attitudes Toward Physicians and the Health Care System by Parents of High-Risk Infants. Scott A. Lorch, Michelle Macheras, Jo Ann D’Agostino, Ashley Martin. Publication 4139.563


565* Factors Related To Caregivers’ Decisions To Contact Primary vs. Specialty Care Provider for Concern About a Child’s Chronic Condition. Neal A. de Jong, Michael J. Steiner, Rachael A. Carr, Alan D. Stiles, Elisabeth P. Dennon. Publication 4139.565

566 Adolescent Vaccination Reminders Using Email. Kevin J. Dombkowski, Bailey M. Waterman, Amanda F. Dempsey. Publication 4139.566

567 The “Connected” Family: Parental Technology Usage Patterns and Potential for Improving Pediatric Clinical Care. Eric Fleegler, Sarah Weas, Sion Harris, Joshua Borus, Jason Kahn, Noelle Huntington, Eugenia Chan. Publication 4139.567


569* Determining Factors Associated With Readmission Risk for Inpatients and Observation Patients in a Children’s Hospital. Jeffrey C. Winer, Elena Aragona, Rebecca G. Carter, Alan I. Fields, Tyler L. Robertson, David C. Stockwell. Publication 4139.569

570* What Matters To Women When Choosing a Pediatrician?. Yara Youssf, Kathleen Mazor, Jasmin L. Roberts, Katharine O. White, Penelope S. Pekow, Peter K. Lindemauer, Goff L. Sarah, Tara Lagu. Publication 4139.570

571* A Quantitative Analysis of Patient Late Arrivals in Pediatric Outpatient Clinics. Shona Hang, Diane Howell, Kevin J. Kelly, Michael J. Steiner. Publication 4139.571

572* Motivational Characteristics of Parents Who Enroll Their Children in Clinical Research. Christopher W. Hall, Donald Musa, Flora Olahopo, Maris Parker, Kumaravel Rajakumar. Publication 4139.572

573* Risk Factors associated With Subspecialty Referral and Treatment for Eczema Patients in an Urban Pediatric Clinic. Corinna J. Rea, Jenny Chan, Christine Shrock, Joanne E. Cox, Sara L. Tooney. Publication 4139.573

574* Review and Evaluation of Dermatopathology Assessments To Categorize Themes (REDACT) Study. Kruti Parikh, Albert C. Yan. Publication 4139.574

575* Energy Drink Use and Associated Problem Behaviors in Adolescents in Our Urban Community. Richard D. Hallenbeck, Darlene Tenoyo, Kelly Cervellione, Patricia Burris-Warmoth, Susana Rapaport, Dakshayani Guttal. Publication 4139.575


577* Preliminary Assessment of the Impact of Universal Behavioral Health Screening in Massachusetts Children on Medicaid. Judith Savageau, Georgianna Willis, Jack Simons, David Keller, Kathy Muhr, You Fu Li. Publication 4139.577

578* Pediatric Residents’ Competency in Motivational Interviewing: Outcomes at 3-Month Follow-Up. Stephen R. Gillaspay, Thad R. Leffingwell, Mary Beth Miller, Ellen M. Meier, Kasey Claborn. Publication 4139.578


581* Primary Language Is Associated With Child Attention and Hyperactivity Problems among Latino Children. Simone Bennett, Caroline Kistin, Jenny Radesky. Publication 4139.581

582* Primary Language Is Associated With Parent-Teacher Disagreement about Child Attention and Hyperactivity Problems among Latino Children. Simone Bennett, Caroline Kistin, Jenny Radesky. Publication 4139.582

583* Primary Language Is Associated With Parent-Teacher Disagreement about Child Attention and Hyperactivity Problems among Latino Children. Simone Bennett, Caroline Kistin, Jenny Radesky. Publication 4139.583

584* Happy Mothers, Healthy Families: Feasibility of Text Messaging as an Adjunct Treatment for Postpartum Depression. Matt Broom, Amy Ladley, Gene LaBarge, Elizabeth Rhyne, Rashmi Narayan, Ashley Borawski, Donna Halloran. Publication 4139.584


586* Is the Primary Care Provider a Gateway To Improving Access To Mental Health Care for Asian Adolescents?. Sylvia W. Lim, Loretta Au, Melody Lao, Ellen J. Silver, Andrew D. Racine. Publication 4139.586


588* Postpartum Depression: Improving Education and Screening in the Pediatric Primary Care Setting. Lauren M. Vasta, Kari L. Wagner, Jeanne L. Bay, Ashley J. Dunn, Katherine E. Shedlock, Muay Lim, Laela M. Hajigahasemani. Publication 4140.588

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590 Adoption of A Toolkit for Mental Health Concerns in Primary Care: A Qualitative Study. Jeanne Van Cleeve, Chloe Holtfield, James M. Perrin. 

591 Feasibility of Screening for Suicide Risk on a Pediatric Inpatient Medical/Surgical Unit. Lisa M. Horowitz, Elizabeth A. Wharff, Abigail M. Ross, Erina White, Martine Solages, Ian H. Stanley, Stephen J. Teach, Sally Nelson, Maryland Pao, Jeffrey A. Bridge.

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592 Problems With Telephone Communication Between Medical Teams and Non-Adherent Patients. Kristine Fortin, Soyang Kwon, Mary Clyde Pierce. 


594* Crash Course To the Pediatric Code Cart. Ashley E. Apruzzese, T. Shanila Perera, Courtney M. Rome, Laura Czulada.


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596 Psychosocial Risk: Is It Elevated Among Children With Failure To Thrive. David S. Bennett, Ariel Nydlo, Lauren Mace, Hans B. Kersten.


600 Open Access Model for Ill Care in an Academic Pediatric Clinic. Stephen Warrick, John Morehous, Zeina Samaan, Mona Mansour.


603* Severe Hypercalcemia Associated With Subcutaneous Fat Necrosis. Vidhu Thaker, Daniel Shumer, George Taylor, Ar Wassner.


605 External Validation of the Refined Lab-Score, for Identification of Severe Bacterial Infection in Children under Three Months With Fever Without Source. Sandrine Leroy, Borja Gomez, Santiago Mintegi, Liviana Da Dalt, Daniel Blazquez, Izaakun Olaireguie, Mercedes de la Torre, Miriam Palacios, Paola Berlese, Aitor Ruano, Silvia Bressan.

606 The Impact of Environmental Modifications on Red Reflex Exam Validity. Angela N. Buffenn, Cassandra A. Fink, Michelle A. Thompson, Fasha F. Liley, Ansley N. Splinter, A. Linn Murphy.

607 Non-Specific Abdominal Pain in Pediatric Primary Care. Elizabeth M. Wallis, Alexander G. Fiks.

608* Postnatal Renal Ultrasound in Near Term and Term Newborns: Indications and Findings. Sonia Mehra, Mahmood Soran, Ramiro Lizzano Santamaria, Barbara Kelly.


610 Infant Colic in Relation To Maternal Social Support, Partner Involvement in Caring for the Newborn and the Happiness of the Mother-Partner Relationship. Chandran P. Alexander, Ian M. Paul, Kristen H. Kjerulf.


612* Vitamin D Supplementation in Neonates at a Pediatric Primary Care Clinic. Melissa A. Moore, Elysha L. Pifko, Myla Ebeling, Ganga Srinivas.

613 Practice Patterns and Adverse Events of Nitrous Oxide Sedations in Children Outside of the Operating Room. Daniel S. Tsz, Michael D. Mallory, Joseph P. Cravero.

614 Usefulness of MCISAAC Scoring System for Telephone Triage of Sore Throat in a Pediatric Primary Office. Jiyeon Kim, Amy Christison, Jean Aldag.

615* Does Rehydration Increase the Size of the Thecal Sac?. Haley M. Polhill, Jennifer Plumb, Jeff E. Schunk, Hilary A. Hewes.


623* Neonatal Emergency Department Visits: Data from the National Hospital Ambulatory Medical Care Survey 2001-2010. Vrinda Shenoy, Thomas A. Bowman, Lara W. Johnson.
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624* After-Hours Pediatric Care Compared To Emergency Department Care: A Retrospective Cost Analysis. Sheia M. Goodrich, Joseph Evans, Todd W. Gress, Joseph W. Werthammer. 
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627* Resident-Directed QI Methods Improve Antibiotic Stewardship Related To Common Infections in the Outpatient Setting. Laura Perretta, Evelyn Berger-Jenkins, Mariellen Lane. 
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628 From the Mouth of Babes - Getting Vaccinated Doesn't Have To Hurt. Anna Taddio, Andrew F. Ilerds, Anthony N. Ilersich, Jenny Wells. 
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632 The Unwritten Rules of Mentorship: Facilitators of and Barriers To Effective Mentorship in Pediatric Hospital Medicine. Jana C. Leary, Elisabeth G. Schainker, JoAnna K. Leyenaar. 
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636 Determining the Effectiveness of Pediatric Pain Management Toolkits: A Systematic Review. Janet Yamada, Bonnie Stevens, Maria Khan. 
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637* Spiritual/Religious Orientations and Clinical Practices of Pediatric Faculty at the University of South Alabama. Krista Stephenson, Gavin Reed, Mary Hulin, Donna Wooster, Hanes Swingle, Dan Taylor. 
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638* Predictors of Influenza or Viral Diagnosis among Children With Study-Confirmed Influenza. M. Miller, C. Suerken, B. Snively, T. Peters, K. Poehling. 
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640* Comparing Resident Experience and Education in Academic and Community Primary Care Sites. Ben Fogel, Ron Samuels, Jon Finkelstein. 
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642* Knowledge and Awareness of Parental Leave Policies and National Residency Breastfeeding Curriculum among Pediatric Medical Students, Residents, and Fellows in the United States. Avika Dixit, Kinga A. Szucs. 
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643* Embedding Patient Simulation in a Pediatric Cardiology Rotation: A Unique Opportunity for Improving Resident Education. Shaun Mohan, Christopher W. Follansbee, Ugonna Nwankwo, Dena Horkosh, Frederick S. Sherman, Melinda F. Hamilton. 
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644* Effects of Primary Care Redesign on Resident Experience in Continuity Clinic. Ben Fogel, Stephen Warrick, Melissa Klein, Jon Finkelstein. 
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647* Improving the Resident Experience of a Pediatric Telephone Triage Service– A Quality Improvement Project. Emily Wong, Alfonso Belmonte, Sarada Panchanathan. 
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648 Stretching the Simulated Dollar: Combining Reflective Practice and Team-Based Learning. Armando Correa, Nino Rainnusso, Martin Lorin, Jan Drutz, Ernest Fruge. 
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650* Couplet Care in the Newborn Nursery: An Educational Quality Improvement Project. Ruchi R. Turakhia, Anna Hurst, Gina White, Mary Devon McWilliams, Bonnie McTyre, Harry Kreider, Candace Curry, Gail Cohen, Carl Seashore, Anna Miller-Fitzwater, Julie M. Linton. 
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651* Collaborating With Community Partners, Residents, and AAP Chapters To Promote Healthy Active Living for 0-5 Year Olds: Lessons from 6 States. Mollie Grow, Allison LaRoche, Elizabeth Baca, Janine S. Bruce, Emily Borman-Shoop, Emily Hall, Katherine M. Satrom, Leslie King-Schultz, Marny Dunlap, Ashley E. Weedn, Karen E. Schetzina, Gayatri Jaisinghankar, Ben Hoffman. 
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652 Higher Resident Continuity of Infant Well Care Is Associated With Medical Home Practice. Heather G. Varnell, Rachel Everhart, Mary E. O’Connor. 
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653* Assessing Resident Exposure To Adolescents in Their Clinic Home (REACH). Laura S. Price, Lisa A. Cao, Mary A. Ott. 
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654* Pediatric Residents’ Knowledge, Experience, and Attitudes Related To Childhood Hearing Loss and Universal Newborn Hearing Screen. Jacob K. LeBas, Pamela M. Memahon. 
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655* Experiential Learning of Family Centered Care: the Effect of Resident-Run Family Centered Rounds on Resident Education. Casey Strier, Kenneth Rivlin, Teresa A. McCann. 
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4143 Behavioral, Development & Literacy

656* uTALK: Evaluation of a Mobile Health Program Addressing Speech and Language Delay. Kaitlyn M. Bailey, Carol L. Wilkinson, Jamal C. Harris, Amy E. Whittle. 
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Implementing a New Tracking System To Help Improve Adhd Guideline Compliance in a Primary Care Pediatric Office - A Resident QI Project. May C. Sun, Jiyeon Kim, M. Jawad Javed, Huaping Wang. Publication 4143.659

The Relationship between anemia in Infancy and the Development of ADHD in Childhood. Elyahu E. Gazala, Eiain Yeshurun, LChaim Naggan. Publication 4143.660


Literacy Challenges To Developmental Screening in an Urban Community. James Guevara, Brooke Rothman, Marsha Gerdes, Betsy Brooks, Katherine Yun. Publication 4143.662

Improved Adherence To Referrals for Developmental Services from Pediatric Primary Care. Courtney M. Brown, Zeina M. Samaan, John F. Morehouse, Mona Mansour. Publication 4143.663

Practices Related To Bullying in Pediatric Primary Care. Robert D. Keder, Laura Slices, Jenna Sandler, Robert D. Sege. Publication 4143.664

Opening Doors To Early Intervention: A Patient Navigation Model To Enhance Completion of Early Intervention Referrals. James Guevara, Marsha Gerdes, Brooke Rothman, Betsy Brooks, Katherine Yun. Publication 4143.665

Accelerated Increase in Head Circumference during the First Year of Life: Should General Pediatricians Worry? Brian C. Qin, John I. Takayama. Publication 4143.666

Improving Early Identification and Ongoing Care of Children With Autism Spectrum Disorder (ASD). Paul S. Carbone, Chuck Norlin, Paul C. Young. Publication 4143.667

Parental Depressive Symptoms Predicts Poor Weight Gain among Children With Failure To Thrive. David Bennett, Vanessa Patel, Creland Charles, Kersten Hans. Publication 4143.668


Correlates of Quantity and Quality of Child Communication During Pediatric Subspecialty Encounters. Vanessa Vigilante, Jobayer Hossain, Timothy Wysocki, Iman Sharif. Publication 4143.671

The Impact of Health Literacy Levels on Test Retest Reliability of Written Developmental Screening Evaluations During Routine Well Child Visits. Patricia L. Fine Rosenstein, Claudia Barrett, Deena Chisolm. Publication 4143.672

How Does the Brain Get Ready To Read: An fMRI Study. Tzipi Horowitz-Kraus, Jennifer Vannest, Thomas DeWitt, Scott Holland. Publication 4143.673

Caregiver Health Literacy and Pediatric Hospitalization. Andrea K. Morrison, Marilyn M. Schapira, David C. Brousseau. Publication 4143.674


Parent Health Literacy and the Care of Child Chronic Disease: Prescriptions for Family-Centered Healthcare System Reform. Monica Eneriz-Wiemer, Gotzone Garay Barayazarra, Lee M. Sanders. Publication 4143.676
**8:40 Regulatory Memory in Fetal Tolerance**  
Sang-Sing Way, Cincinnati Children’s, Cincinnati, OH

**9:00 Regulation of Innate Immune Function during Pregnancy**  
David Aronoff, Vanderbilt University, Nashville, TN

**9:20 TrophomiRs and Placental Pathogen Defense**  
Yoel Sadovsky, Magee Women’s Research Institute/Univ of Pittsburgh, Pittsburgh, PA

**9:40 Discussion**  
Jointly sponsored by the March of Dimes and the Pediatric Academic Societies

8:00-10:00am

**4210A Peritoneal Dialysis Update: 2014**  
ASPN Workshop  
Vancouver Convention Centre – West 221

Target Audience: Clinicians interested in ESRD care, Pediatric nephrologists.

Objectives:
- Know how to do and interpret a pet test
- Know how to modify prescriptions for peritoneal dialysis
- Understand the possible impact of SCOPE and IPPN on standards of practice

Co-Leaders: Maury Pinsk, Sandra Iragorri

Peritoneal dialysis remains the most cost effective and commonly used renal dialysis modality (both acutely and chronically) world-wide. Monitoring efficacy and prescription approaches will be reviewed in this session. Updates on North American and world-wide peritoneal dialysis initiatives will be reviewed.

8:00  **PD Prescriptions and Updates**  
Colin T. White

8:30  **PET Utilization and Interpretation**  
Bradley Alan Warady

9:00  **The Scope Trial: Update 2014**  
Joshua Zaritsky

9:30  **IPPN Update**  
Hiren P. Patel

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

9:00am-12:00pm

**4230 Advocacy Training**  
APA Special Interest Group  
Vancouver Convention Centre – East 13

Chairs: Marny Dunlap, marny-dunlap@ouhsc.edu, and Jennifer D.H. Walthall, jdnewlett@iupui.edu

The APA Advocacy Training SIG meeting highlights the scholarship of trainees and their mentors in advocacy. The 2014 meeting will additionally highlight Education and Scholarship in Community Based Projects.

Objectives:
1. Explore modules for educators in community based program planning
2. Introduce the core principles of Community Based Participatory Research (CBPR)
3. Connect advocacy program planning skills to educational milestones

Didactic and interactive discussions by topic experts will frame the educational portion of the session. Trainee poster and plenary presentations will highlight the ongoing vibrant work in training programs in patient centered advocacy, both at the community, hospital, and policy levels.

Presenters: Andrew Aligne, Ben Hoffman

9:00am-12:00pm

**4232 Continuity**  
APA Special Interest Group  
Vancouver Convention Centre – East Parkview 2

Chairs: Ada M. Fenick, ada.fenick@yale.edu, and John Olsson, olssonj@ecu.edu

Lions and tigers and bears oh my! We have been reacting to changes in resident education, from duty hours to changing RRC guidelines. It is time to get excited by what the continuity experience provides our residents. Continuity experiences provide relationships, role models, and a longitudinal learning experience found nowhere else during residency education. We are going to celebrate our successes! We are going to share our methods for getting faculty and residents excited and engaged in continuity. Our members will share how some of their small steps have had a great impact on the effectiveness of the education in continuity settings. In addition to updates from the APA, CORNET, and the RRC, we will spend most of our time in small discussion groups focused sharing novel ways we can teach physical exam/procedure skills, use reflective practice, and function effectively in teams. When you leave our meeting, armed with new methods and tools, you will be ready to take the celebration back home and jazz up your continuity experience.

Presenters: Marilyn Dumont-Driscoll, Cynthia Ferrell, Lynn Garfunkel, Janet Serwint, Paul Darden, Susan Feigelman, Teresa Duryea, Theresa Hetzler, Diane Kittredge, Sharon Riesen, Mike Steiner, Paula Algranati

9:00am-12:00pm

**4234 E-Learning in Medical Education**  
APA Special Interest Group  
Vancouver Convention Centre – West 114

Chairs: Kadriye O. Lewis, kolewis@cmh.edu, Erik Black, ewblack@peds.ufl.edu, and Michal J. Cidon, mjcidon@stanford.edu

The SIG for e-Learning in Medical Education is a forum for medical educators with an interest in using e-Learning to support teaching and learning. This meeting provides participants an opportunity to network, and to learn about new developments with examples of e-Learning implementations in various institutions. The following presentations will take place:
- Overview of e-Learning SIG Activities
- Leveraging e-Learning in Pediatric Education
- Keeping Students Engaged in E-Learning Lessons from Asia
- Apps in Newborn Health: Sharing Smart Phones for improving Knowledge and Skills of Healthcare Professionals
- Workshop: Evaluating Pedagogical Affordances of Web 2.0 Technologies

Presenters: Ashok Deorari, Teresa Seto, Anu Thukral, John Mahan, and B V Adkoli

9:00am-12:00pm

**4236 Ethics**  
APA Special Interest Group  
Vancouver Convention Centre – West 116

Chairs: Zeynep N. Salih, znsalih@hotmail.com, and Diane Plantz, dmplantz@cmh.edu

Ethics SIG is organizing a workshop on “Research in Bioethical Issues Encountered in Pediatrics.” Those attending would be interested in developing a research project involving ethical issues in pediatrics. Session objectives are:
1. Define “What is bioethics research?”
2. Explore collaboration with other disciplines in bioethics research
3. Identify methods in research in ethics
4. Describe challenges of finding mentorship

After the panel discussions small groups will discuss a research project where they will brainstorm as groups looking at the question, method, and implementation. Session will end with the panelists’ final remarks on how to be successful in ethics research.

Presenters: John D. Lantos, Annie Janvier, William Meadow
The Health Care Transition and Self Management SIG meeting will include four agenda topics. The session will begin with a Keynote presentation/panel discussion of Canadian best practice HCT models/research efforts. Next, Phase 2 Delphi Survey pertaining to HCT Outcomes will be conducted. Third, a discussion of the development of the Clinical Innovation/Research Network will be presented. Lastly, members will convene in one of 4 groups (research, clinical practice, education and advocacy) for networking and planning purposes.

Presenter: Maria Ferris

Nutrition

Vancouver Convention Centre - West 117

Chair: Robert J. Karp, robert.karp@downstate.edu

We will address nutritional concerns for Native American children. These differ greatly but there are ones in common for urban rural and reservation living families. These include nutrition in pregnancy, FAS risks and endemic diabeity in some but not all tribal groups. We will show applications of Filling, Affordable and Nutritious, a menu selector for the Low Cost Food Plan as may be used in your community of concern.

Presenter: Marjorie Lee White

Simulation-Based Medical Education (SBME)

Vancouver Convention Centre - East 19

Chairs: Marc Auerbach, marc.auerbach@yale.edu, and Taylor Sawyer, tlsawyer@uw.edu

The APA SIG on Simulation-based Medical Education (SBME) is a forum for pediatric educators with an interest in the use of simulation to facilitate teaching and learning. The SIG provides an opportunity for faculty and fellows interested in simulation to network, share ideas, resources, and experiences in the development and use of simulation in pediatric medical education.

Presenter: Marjorie Lee White

Women in Medicine

Vancouver Convention Centre - East 17

Leaning in, Leaning out and Leadership: Achieving a Balance.

Chair: Carol D. Berkowitz, cberkowitz52@gmail.com

There are many popular books that suggest women need to be more assertive in the workplace, they need to “lean in.”. There are, on the other hand, companies that suggest that men need to work on spending more time with family and young children, “Lean out.” The SIG will examine individual leadership styles and try to define the optimal “LEAN.”

Presenters: Tumaini Coker, Alison Holmes and Danielle LaRaque

Practical Pharmacogenetics: Real Life Interpretation of Clinical Testing for Genotype-Guided Pharmacologic Therapy

PAS Workshop

Vancouver Convention Centre - East 16

Target Audience: Residents, fellows, and all levels of faculty interested in interpretation and use of pharmacogenetic results.

Objectives:
- Read and interpret pharmacogenetic test results
- Discuss the results of pharmacogenetic testing with patients and their families
- Use practice cases to evaluate whether pharmacogenetic test results should be used in clinical decision making

Leader: Sara Van Driest, Co-Leaders: J. Steven Leeder, Tracy McGregor

In several academic pediatric centers, pharmacogenetic testing has been implemented into clinical practice, with disclosure of test results to patients and/ or families. Primary and subspecialty care providers may be asked by families to interpret or use these test results. Through large group teaching, question-and-answer, and small group discussion and case discussions, participants will learn how to read pharmacogenetic test results, considerations in talking to families about genetic testing, and resources available for interpretation of these results. Special pediatric considerations will be emphasized throughout, including implications of results for other family members and limitations of existing evidence and guidelines for children. Specific cases will be presented and participants will determine in small groups whether pharmacogenetic test results should be considered for clinical use in the care of the patient.

Communicate Your Curriculum Vitae and Personalize Your Personal Statement/Bio-Sketch

PAS Workshop

Vancouver Convention Centre - East 15

Target Audience: Residents, fellows, and all levels of faculty interested in interpretation and use of pharmacogenetic results.

Objectives:
- Identify the key structural elements of a CV and Personal Statement/ Biosketch
- Plan strategies to populate sections of your CV and Personal Statement/ Biosketch to build an organized, compelling case for the specific purpose intended
- Recognize how constructing a good CV and Personal Statement itself informs your direction for further success

Leader: Nancy Spector, Co-Leaders: Sarah Long, Jennifer Vodzak

Learn how to refine your CV and personal statement/biosketch to best represent who you are, what you do and why you do it in academic medicine. Utilizing hands-on editing and interactive discussion of sample CVs and personal statements, participants will optimize their writing and organizational skills to effectively compose career-focused sections in the CV and a compelling personalized personal statement/biosketch. Attendees will choose one of three career-focused, facilitated small groups: 1) Education/Advocacy, 2) Basic/ Clinical Research and 3) Administration/Quality/PI/Safety. Part 1 of the workshop focuses on the nuts and bolts of the CV and building your CV for specific purposes. Part 2 focuses on composing different types of personal narrative types (personal statement, biosketch, executive summary) to deliver the targeted impact as intended. Attendees will leave the workshop with new skills and tools/templates create their own CV and narrative.
9:30am-12:30pm

**4254 Doctor, What’s the Answer? How to Respond to Parents’ and Patients Top Environmental Questions**  
*PAS Workshop*  
Vancouver Convention Centre – East 14

**Target Audience:** medical students, residents, fellows, pediatrics.

**Objectives:**
- Educate pediatricians about common environmental issues encountered in primary care
- Describe and practice techniques to interpret media messaging around environmental health topics
- Share principles of risk communication when developing environmental health messages

**Leader:** Heather Brumberg, Co-Leaders: Sophie Balk, Sheila Palevsky, Maribeth Chitkara

Flame retardants, endocrine disruptors in baby care products, arsenic in rice cereal...headlines about these issues and others raise anxiety in parents concerned about environmental exposures. Parents seeking answers about potential effects such as asthma, behavioral problems, and learning difficulties often turn to pediatricians for guidance about interpreting conflicting media messages. The average US physician, however, receives only 6 hours of environmental health teaching in medical school. Parents’ questions may remain unanswered, diagnoses of environmental causation may not be made, etiologic discoveries can be missed, correct treatments not instituted, and opportunities for prevention lost. This case-based workshop will address this goal by educating participants about developing evidence-based messages in response to frequently asked environmental health questions.

9:30am-12:30pm

**4256 Everything but the Research: How to Write the Candidate Information Section of a Successful K Award Application**  
*PAS Workshop*  
Vancouver Convention Centre – West 113

**Target Audience:** Residents, fellows, junior faculty, faculty mentors of K award applicants.

**Objectives:**
- Describe the components and content of the Candidate Information section of a career development award application
- Understand how to craft successful candidate statements and career development/training plans
- Learn strategies to avoid common pitfalls in writing the non-research components of a career development award application

**Leader:** Leticia Ryan, Co-Leaders: Tina Cheng, Martha (Molly) Stevens and Lynne Haverkos

The Candidate Information section of the K career development award application accounts for a significant proportion of the review criteria, although little guidance is available to guide applicants in writing this section. This workshop will focus on two key components: the candidate information statement and the career development/training plan. The workshop will begin with an overview of the content of this section as described by a program officer from the National Institutes of Health. Using an interactive format, we will then highlight strategies to create an effective candidate statement and review statements from successful K awards in breakout groups. Similarly, we will highlight strategies to create an effective career development/training plan and review examples from successful K awards in breakout groups. Finally, a large group discussion will be facilitated to identify common pitfalls in the development of these components and offer tips to address these challenges.

9:30am-12:30pm

**4258 Getting Promoted: Turning Your Clinical Work into Scholarship**  
*PAS Workshop*  
Vancouver Convention Centre – West 115

**Target Audience:** Fellows, junior and mid-level faculty interested in getting promoted and senior level faculty interested in mentoring junior faculty.

**Objectives:**
- Define and describe the essential components of a scholarship project in both medical education and clinical service
- Analyze common clinical activities for potential scholarship opportunities
- Develop a plan for turning your current work into scholarship projects

**Leader:** Emily Walvoord, Co-Leader: Wendy Hobson-Rohrer

At nearly all medical schools, scholarship is required for promotion. However, many clinical faculty do not have a full understanding of the definition of scholarship nor how to use their educational and clinical efforts to fulfill this scholarship requirement. During this workshop, we will present a simple model of career planning to help participants think more intentionally about what they desire from their academic career. Using Boyer’s definition of scholarship, we will share concrete examples of how busy clinicians have developed scholarship from clinical, educational and quality improvement activities. A number of interactive strategies will be employed to help faculty develop ideas for scholarly products, including formulating specific plans for their own scholarship development: determining resources needed, dissemination plans and next steps.

9:30am-12:30pm

**4260 Innovative Implementation of a Pediatric Milestone-Based Learner Assessment Program**  
*PAS Workshop*  
Vancouver Convention Centre – West 202

**Target Audience:** Residents, fellows, faculty, and program directors interested in graduate medical education.

**Objectives:**
- Discuss the importance of and barriers to meaningful assessment of learners along the educational continuum
- Articulate strategies to develop and implement innovative assessment programs that can be tailored to a variety of educational venues
- Integrate the knowledge and skills acquired during the workshop into a blueprint for improving learner assessment at one’s home institution

**Leader:** Jennifer O’Toole, Co-Leaders: Sue Poynter-Wong, Ndidi Unaka, Melissa Klein

Meaningful assessment of learners is a paramount goal of all training programs along the continuum of medical education. The recent release of the Pediatric Milestones has heightened the need for educators to critically evaluate their current approaches to assessing their learners’ knowledge, skills, and attitudes. Innovation in assessment is essential, but challenging, due to limited time and resources for faculty, lack of specific direction from governing agencies, non-validated evaluation tools, and a lack of computer platforms designed to accommodate milestone-based assessments. During this highly interactive workshop, a multidisciplinary group of medical educators will share their experiences with an innovative implementation of a milestone-based assessment program and discuss how it can lead to meaningful improvement.

*First Author is Trainee (fellow, house officer or student)
Pediatric Concussion: Making the Diagnosis and Making the Discharge Plan
PAS Workshop
Vancouver Convention Centre - West 204

Target Audience: Pediatricians, hospitalists, subspecialists, fellows, residents.

Objectives:
- Identify signs and symptoms of concussion using standardized instruments
- Make management recommendations based on current best practices

Leader: Angela Lumba, Co-Leaders: Danny Thomas, Joseph Grubenhoff, Lynn Babcock

This interactive workshop aims to present the best evidence for outpatient concussion management through small breakout groups with discussion of clinical case scenarios, hands-on experience in performance of standardized concussion diagnostics, and small group presentation of sample discharge planning and thought processes. Following a brief introductory literature review, small moderator-led breakout groups will discuss best practices for diagnosis of concussion in the outpatient setting and demonstrate the performance and scoring of evidence-based concussion evaluation tools. Participants will be encouraged to share their challenges with concussion management in the outpatient setting as well as practical solutions to those challenges. Each small group will receive a clinical scenario offering an opportunity to employ the tools provided and to develop a management plan. Small groups will present these management plans to the larger group. This interactive workshop aims to present the best evidence for outpatient concussion management through small breakout groups with discussion of clinical case scenarios, hands-on experience in performance of standardized concussion diagnostics, and small group presentation of sample discharge planning and thought processes. Following a brief introductory literature review, small moderator-led breakout groups will discuss best practices for diagnosis of concussion in the outpatient setting and demonstrate the performance and scoring of evidence-based concussion evaluation tools. Participants will be encouraged to share their challenges with concussion management in the outpatient setting as well as practical solutions to those challenges. Each small group will receive a clinical scenario offering an opportunity to employ the tools provided and to develop a management plan. Small groups will present these management plans to the larger group.

Research to Impact: Strategies for Achieving Evidence-Based Health Policy
PAS Workshop
Vancouver Convention Centre - West 217

Target Audience: Fellows and early investigators interested in strengthening the policy and practice impact of their research. Any faculty interested in public policy.

Objectives:
- Develop skills to identify policy relevant context and target audiences
- Create a concise policy relevant message about your research
- Design an appropriate outreach and dissemination strategy to maximize policy impact of your research

Leader: James Guevara, Co-Leaders: Kristen Feenster, Kathleen Noonan, David Rubin, Nadia Dowshen, Alex Fiks, Manuel Jimenez, Meredith Matone

The purpose of this workshop is to provide attendees with skills for the strategic outreach of research to influence policy and practice change. Attendees will learn strategies to create outreach and dissemination plans concurrent with study development, and develop materials to communicate study results and recommendations effectively to policy audiences. Specifically, attendees will develop skills: 1) to identify policy relevant context and target audiences; 2) to create a concise policy relevant message about your research; and 3) design an appropriate outreach and dissemination strategy to maximize policy impact of your research. The instructors will draw upon their research and policy work in child maltreatment, child development, behavioral health, and adolescent sexual health as examples of strategic outreach efforts. Attendees will fulfill the workshop's objectives through hands-on practice with their own projects or sample projects provided by the instructors.

Superstorm Sandy – Lessons Learned for Pediatric Disaster
PAS Workshop
Vancouver Convention Centre - West 215

Target Audience: Residents, fellows, faculty, hospitalists and community practitioners with an interest in disaster preparedness and response.

Objectives:
- Identify important elements of hospital disaster preparedness and response and lessons learned on hospital preparedness for children in disasters utilizing the experience of the New York City Pediatric Disaster Coalition
- Conduct a tabletop exercise simulating hospital evacuation during a storm and flood-related disaster
- Provide the tools necessary to adapt lessons learned to individual hospitals and situational needs

Leader: Michael Frogel, Co-Leaders: George Foltin, Arthur Cooper

Superstorm Sandy seriously impacted the capabilities of New York City (NYC) pediatric healthcare providers at all levels, from hospitals to community-based programs. The NYC Pediatric Disaster Coalition (PDC) responded to the storm by developing lessons learned and guidance to improve pediatric disaster preparedness for future events. This workshop will review lessons learned from Superstorm Sandy, the essentials of pediatric disaster preparedness and response, and involve participants in a discussion-based exercise modeled after NYC provider's experience in the storm. The tabletop exercise will explore the community/hospital response to a large-scale flooding/weather event similar to Superstorm Sandy. Attendees will role-play in response to a developing scenario, reacting to the effects of the storm from the disaster zone through hospital evacuation.
9:30am-12:30pm

4268 That’ll Teach ‘em: Creating a Residents as Teachers Workshop at Your Institution
PAS Workshop
Vancouver Convention Centre - West 216

Target Audience: Faculty interested in resident and medical student education, fellowship directors, GME directors, Designated Institutional Officials, Chief Residents and residents.

Objectives:
- Understand the key principles of adult learning theory necessary to develop a Residents as Teachers curriculum
- Be able to apply strategies for preparing and delivering an effective Residents as Teachers workshop at one’s own institution focused on clinical reasoning, bedside teaching and giving meaningful feedback
- Analyze the pros and cons of different delivery methods for Residents as Teachers training

Leader: Michael Barone, Co-Leaders: Eric Balighian, Janet Serwint, Barry Solomon, Jeffrey Fadrowski

The workshop leaders have successfully implemented a Residents as Teachers program at their home institution, which includes engaging topics and teaching modalities grounded in adult learning principles. This workshop will give you the tools to do the same. Following a brief overview of adult learning principles, the presenters will interactively approach 3 key topics: clinical reasoning, bedside teaching and giving meaningful feedback. Attendees will participate in engaging methods as they create their roadmap to implement a residents as teachers program at their home institution.

9:30am-12:30pm

4270 Transforming What We Do Well Every Day into the Scholarship of Teaching and Learning in Medical Education
PAS Workshop
Vancouver Convention Centre - West 218

Target Audience: Fellows and Faculty interested in doing/teaching the scholarship of teaching and learning.

Objectives:
- Incorporate a scholarly framework to transform one’s strength as a teacher into scholarship
- Using the context of one’s teaching, design a specific project that is practical, feasible, and relevant
- Develop a plan to implement the scholarly project at your home institution

Leader: Su-Ting Li, Co-Leaders: Larrie Greenberg, Maryellen Gusic

Teaching is an integral part of every medical school’s and department’s mission statement and is an important component of what we do every day during our work with patients, medical students, residents or fellows, and other health professionals. Innovative, efficient and effective ways to integrate teaching and patient care should be shared with the larger community of educators through scholarship. What distinguishes excellent teaching from the scholarship of teaching and learning? This interactive workshop is designed for clinician-educators who want to transform their activities as a teacher into scholarship for their own professional development and career advancement. The workshop will begin with the opportunity to reflect on what we currently do well as teachers that can be turned into scholarship. After assessing the familiarity of participants with Glassick’s criteria, a facilitated discussion will highlight key criteria that must be demonstrated to turn excellent teaching into the scholarship of teaching and learning. Participants will work collaboratively using a step-wise planning sheet to identify ways to incorporate the scholarship of teaching and learning (SOTL) into their own practice. Through a series of facilitated exercises, rapid-cycle brainstorming, action learning, and peer feedback sessions, participants will develop a practical and feasible scholarship of teaching and learning (SOTL) project (including a SOTL question/specific aim, choosing appropriate study design, identifying collaborators for data collection and analysis and establishing a plan for dissemination) that they will be able to implement when they return to their home institution.

9:30am-12:30pm

4272 Writing and Publishing Quality Improvement
PAS Workshop
Vancouver Convention Centre - West 219

Target Audience: Students, residents, fellows,and faculty interested in publishing quality improvement projects.

Objectives:
- To describe resources, such as the SQUIRE guidelines, that assist investigators in designing, executing, and sharing QI
- To apply these guidelines in critiquing, improving, and sharing a section of a draft QI paper provided to each table
- To discuss which journals of interest to pediatricians commonly publish QI and to apply advice from journal editors

Leader: Patrick Brady, Co-Leaders: Kathleen Walsh, Christine White, Srikant Iyer, Michele Saysana

Improving healthcare at the pace demanded requires many local improvement projects and the dissemination of the methodology and results of these projects in the literature. Most improvement projects, however, are not shared, leaving improvers with a small literature to review in terms of how to improve care despite substantial prior work. The SQUIRE guidelines are a tool to standardize the reporting of QI, and each year sees more journals actively soliciting QI reports. In this workshop we will discuss the guidelines with focus on areas where writing about QI differs from traditional research such as the importance of context and properly collecting and describing data. During the largest section of this workshop attendees will work in small groups to critique and report out on one section of a QI paper provided by facilitators. We will also discuss some lessons learned from a QI project design standpoint and present target journals that publish QI and advice from journal editors.

9:45am-11:45am

4450 Anesthesiology and the Developing Brain: Does Early Childhood Exposure to Anesthetics and Sedatives Cause Subsequent Deficits in Learning and Behavior?
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom C

Target Audience: This session will appeal to both scientists engaged in basic research, clinicians providing advice to parents or caring for children in settings where sedatives and anesthetics are used. The session will also appeal to those involved in public health policy, drug development and regulation.

*First Author is Trainee (fellow, house officer or student)
Objectives:
- Attendees will describe evidence suggesting a link between anesthetic/sedative exposure and neuroapoptotic brain injury
- Attendees will describe the epidemiologic evidence for and public health implications of anesthetic/sedative exposure and learning difficulties
- Attendees will be able to provide advice to parents/families concerned about the effects of anesthetics/sedatives routinely used in children

Chair: Randall P. Flick, Mayo Clinic Children’s Center, Rochester, MN

Emerging evidence suggests that virtually all anesthetic and sedative agents used in young children cause apoptotic neurodegenerative injury in laboratory animals including non-human primates. These finding are accompanied by additional evidence of cognitive and behavioral effects that appear to be permanent. Human studies, although limited, are not reassuring and have suggested that exposure, especially if repeated, is associated with increased incidence of learning disability. This session would review the rodent, primate, and human evidence as well as provide an up-to-date large cohort studies and suggest future areas of research.

9:45 Anesthetic Related Neurotoxicity in Young Children: History and Significance
Randall P. Flick, Mayo Clinic Children’s Center, Rochester, MN

9:55 Evidence for Neurologic Injury Related to Early Anesthetic Exposure in Rodents
Sulpicio G. Soriano, Boston Children’s Hospital/ Harvard Medical School, Boston, MA

10:20 Evidence for Anesthetic Related Neurologic Injury in Non-Human Primates
Merle Paule, National Center for Toxicological Research, Jefferson, AR

10:45 Existing Human Evidence for Cognitive and Behavioral Effects of Early Exposure to Anesthetics and Sedatives
Randall P. Flick, Mayo Clinic Children’s Center, Rochester, MN

11:10 GAS, PANDA, MASK and More: Ongoing Studies of the Effects of Anesthetics in Young Children
Lena S.Y. Sun, Columbia University Med Ctr, New York, NY

11:35 Discussion

9:45am-11:45am

4465 Media Violence and Real World Aggression: State of the Science and What Public Health Implications
PAS State of the Art Plenary
Vancouver Convention Centre – West 220

Target Audience: Scientists, clinicians, advocates with an interest in reducing aggression and violence.

Objectives:
- Understand the connection between screen violence and real world aggression
- Understand what additional research is needed
- Learn what the important public policy and advocacy implications of existing evidence are

This session will bring together leading researchers on media violence to present the latest and best evidence linking it to real world aggression with special emphasis on emerging new media (e.g. first person shooter games). It will also focus on why “controversy” exists regarding the link and what the implications are for future research and public policy.

Chair: Dimitri Alexander Christakis, Seattle Children’s Research Institute, Seattle, WA

9:45 Overview of Violence and Children
Frederick P. Rivara, Seattle Children’s Hospital/PedsRes, Seattle, WA

9:55 Video Game Violence
Craig A. Anderson, Iowa State University, Ames, IA

10:25 Screen Violence
Dimitri Alexander Christakis, Seattle Children’s Research Institute, Seattle, WA

10:55 Discussion

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

9:45am-11:45am

4470 Nephrotic Syndrome Up to Date
PAS Topic Symposium
Vancouver Convention Centre – East 8

Objectives:
- To discuss issues regarding possible future treatments of nephrotic syndrome
- To review the data and discuss issues regarding treatments of childhood nephrotic syndrome

Target Audience: Pediatricians, general pediatricians and pediatric nephrologists.

Objectives:
- To describe and summarize new knowledge on the molecular mechanisms of the development of nephrotic syndrome in children
- To discuss issues regarding possible future treatments of nephrotic syndrome

Chairs: Frederick Jeffrey Kaskel, Children’s Hospital at Montefiore, Bronx, NY, and Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Idiopathic nephrotic syndrome is the most common chronic glomerular disease in pediatric nephrology practice. Many patients respond well to steroid therapy, but some have steroid-resistant nephrotic syndrome (SRNS), which results in a higher rate of chronic renal failure. Standard treatments are steroid and immunosuppressive agents and achieve remission in most affected children. However, some still show refractory clinical courses. Recently, circulating soluble urokinase receptor was identified as a cause of focal segmental glomerulosclerosis, most common pathologic type of SRNS. Also, it was reported that minimal change nephrotic syndrome may be a CD80 podocytopathy. Rituximab, an anti-CD20 monoclonal antibody, might be effective for some types of refractory nephrotic syndrome in children. And, other well-designed clinical trials are planned for childhood refractory nephrotic syndrome. Therefore, now is the time to review and discuss on molecular mechanisms, treatment strategies and future therapies in childhood nephrotic syndrome.
Several immunologic alterations have been reported in FPIES, suggesting the misdiagnosed food hypersensitivity disorder that can mimic septic shock. Induced Enterocolitis Syndrome (FPIES), an under-recognized and frequently occurring enterocolitis syndrome, especially refractory in rapidly growing infants and young children and will be discussed in this session. In addition this session will specifically examine Food Protein Induced Enterocolitis Syndrome, on the basis of the Well-Designed Clinical Trial Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Non-IgE mediated food allergy is a common entity of childhood that primarily affects the gut mucosa. Unlike IgE mediated allergy, non-IgE food sensitivities are rarely life-threatening and are characterized by a delay between ingestion of offending antigens and reactions, which can lead to difficulties in diagnosis. Nevertheless, non-IgE mediated food allergy can cause significant morbidity in rapidly growing infants and young children and will be discussed in this session. In addition this session will specifically examine Food Protein Induced Enterocolitis Syndrome (FPIES), an under-recognized and frequently misdiagnosed food hypersensitivity disorder that can mimic septic shock. Several immunologic alterations have been reported in FPIES, suggesting the involvement of antigen-specific T cells and their production of proinflammatory cytokines that regulate the permeability of the intestinal barrier.

Objectives:
- Describe genetic/environmental factors affecting the development of the mucosal immune system and the pathogenesis of non-IgE mediated food allergies
- Review epidemiology and acute and chronic presentations of non-IgE mediated food allergy in association with clinical/laboratory findings
- Delineate the immunologic characteristics of Food Protein Induced enterocolitis syndrome

Chairs: Elizabeth H. Yen, University of California, San Francisco, San Francisco, CA, Melvin B. Heyman, University of California, San Francisco, San Francisco, CA

Target Audience: This session is aimed at scientists and clinicians involved with investigation of basis and clinical aspects of food-induced intestinal pathology.

Non-IgE mediated food allergy is a common entity of childhood that primarily affects the gut mucosa. Unlike IgE mediated allergy, non-IgE food sensitivities are rarely life-threatening and are characterized by a delay between ingestion of offending antigens and reactions, which can lead to difficulties in diagnosis. Nevertheless, non-IgE mediated food allergy can cause significant morbidity in rapidly growing infants and young children and will be discussed in this session. In addition this session will specifically examine Food Protein Induced Enterocolitis Syndrome (FPIES), an under-recognized and frequently misdiagnosed food hypersensitivity disorder that can mimic septic shock. Several immunologic alterations have been reported in FPIES, suggesting the involvement of antigen-specific T cells and their production of proinflammatory cytokines that regulate the permeability of the intestinal barrier.

Development of Mucosal Immunity and the Pathogenesis of Non-IgE Mediated Food Allergies – Genetic/Environmental Interactions
Allan Walker, Massachusetts General Hospital for Children, Charlestown, MA

Epidemiology and Acute and Chronic Presentations of Non-IgE Mediated Food Allergy
Paul Victor Williams, University of Washington School of Medicine, Mount Vernon, WA

Non-IgE Mediated Food Allergies: FPIES and EoE–A Lesson in Applied Basic Immunology
Jonathan M. Spergel, Children’s Hospital of Philadelphia, Philadelphia, PA

11:00  Combined Use of Ultrasound and Pediatric Appendicitis Score in Suspected Appendicitis. Suzanne Schuh, Kevin Chan, Jacob Langer, Marcela Preto-Zamperlini, Nadine Al Aswad, Carina Man, Arun Mohanta, Derek Stephens, Andrea S. Doria.


10:00  Process Expansion To Improve Pediatric Discharge Efficiency and Bed Occupancy. Angela Statile, Denise White, Amanda Schondelmeyer, Karen Tucker, Diane Herzog, Dena Elkeeb, Denise Warrick, Stephen Warrick, Julie Hausfeld, Matthew Carroll, Uma Kotagal, Frederick Ryckman, Christine White.

10:15  Sensitivity of the Urinalysis for Urinary Tract Infection in Infants < 3 Months of Age. Alan R. Schroeder, Mark Shen, Heidi Roman, Pearl Chang, Sai Medi, Tara Greenhow.


10:45  Decreased CT Utilization in Children's Hospitals Associated With Increase in Alternate Imaging Modalities. M.W. Parker, S.S. Shah, M. Hall, E. Fieldston, R.B. Morse.

11:00*  Associations of the Asthma Medication Ratio (AMR) With Health Services Utilization and Healthcare Costs. Yolande Pengetznue, Hua Lin, Glenn Flores.


APA Student Research Award
Sarah McNab

11:30*  A Randomised Controlled Trial of a Solution Containing 140mmol/L of Sodium Compared To 77mmol/L of Sodium for Maintenance Intravenous Fluid Therapy in Hospitalised Children: the PIMS (Paediatric Intravenous Maintenance Solution) Study. Sarah McNab, Trevor Duke, Mike South, Franz Babl, Katherine Lee, Sarah Arnup, Simon Young, Andrew Davidson.
11:00  Barriers of a Competency Educational Model for Infant Lumbar Punctures. Julie Pastorack, Rita Dadiz, Ryan McBeth, Gunjan Tiyyagura, Pavan Zaveri, James Gerard, Daniel Scherzer, Todd Chang, Marc Auerbach, David Kessler. Publication 4520.6


11:30  Barriers and Enablers Affecting Hormonal Contraception Non-Use among Adolescent Females Presenting To the Emergency Department. Lauren S. Chernick, Rebecca Schnall, Tracy Higgins, Melissa Stockwell, Paula Castano, Carolyn Westhoff, John Santelli, Peter S. Dayan. Publication 4520.8

9:45am-11:45am

4525  Neonatal Hematology & Bilirubin Metabolism
Platform
Vancouver Convention Centre Room West 306

Chairs: Vinod Bhutani and Jon Watchko

9:45  Bilirubin-Induced Cytostasis, G0/G1 Cell Cycle Arrest, and Apoptosis as Function of Increasing Concentration and Duration of Exposure In Vitro. Monica J. Daood, Abeer Azzuja, Jon Watchko. Publication 4525.1

10:00  Increased Erythrocyte Peroxiredoxin II Oxidation and Diminished Recovery After Oxidant Exposure in Newborn Infants With Glucose-6-Phosphate Dehydrogenase Deficiency. Fook-Choe Cheah, Alexander V. Peskin, Fei-Liang Wong, Azlin Ithnin, Ainoon Othman, Christine C. Winterbourn. Publication 4525.2


10:30  Surveillance of Severe Neonatal Hyperbilirubinemia in Canada. Michael D. Grog, Sharmilat Kandasamy, Douglas Campbell, Marianna Ofner, Vibhuti Shah. Publication 4525.4


11:30*  Umbilical Cord Milking Increases Mesenchymal Stem Cells in Cord Blood Compared To Delayed Cord Clamping. Ramina Amino, Yang Liu, Dongmei Wu, Evan Snyder, Anup Katheria. Publication 4525.8

9:45am - 11:45am

4530  Neonatal Intracranial Hemorrhage
Poster Symposium
Vancouver Convention Center - Room West 223-224

Discussion: 10:15am - 11:45am

Tuesday, May 7

677  Scavenging of Cell-Free Hemoglobin Protects the Choroid Plexus from Structural and Functional Damage Following Preterm Cerebral Intraventricular Hemorrhage. Magnus Gram, Snjolaug Sveinsdottir, Kristbjorg Sveinsdottir, Magnus Cinthio, Stefan R. Hansson, Bo Akerstrom, David Ley. Publication 4530.677

678*  Early Prophylactic Indomethacin (INDO) Administration To Infants < 28 Weeks Without Optimal Antenatal Steroid (ANS) Exposure Markedly Reduces the Subsequent Development of Severe Intraventricular Hemorrhage (IVH). Morgan Spaight, Erikalyn Kasdorff, Bella Fridman, Jeffrey Perlman. Publication 4530.678

679*  Optimal Route for Human Umbilical Cord Blood Derived Mesenchymal Stem Cells Transplantation after Severe Intraventricular Hemorrhage in the Newborn Rats. Jin Sup Kim, So Yoon Ahn, Ye Rim Park, Dong Kyung Sung, Soon Young Nam, Se In Sung, Hye Soo Yoo, Yun Sil Chang, Won Il Oh, Won Soon Park. Publication 4530.679


681*  Pressure-Passive Cerebral Circulation in the Preterm Infant: Association With Perinatal Factors and IVH. Zachary A. Vesoulis, Amit M. Mathur. Publication 4530.681


683  Impact of CSF Removal on aEEG Patterns in Infants With Post-Hemorrhagic Ventricular Dilatation. Whitney Royer, Cindy Spencer, Joanna C. Beachy. Publication 4530.683


685  Different Acoustic Windows and Ultrasound Sensitivity Compared to SWI-MR Technique in Assessing Cerebellar Hemorrhages in VLBW Babies. Alessandro Parodi, Mariya Malova, Andrea Rossi, Mariassavina Severino, Giovanni Morana, Andrea Sanna, Whitney Royer, Cindy Spencer, Joanna C. Beachy. Publication 4530.685

9:45am - 11:45am

4535  Pulmonary Vascular Biology
   Platform
   Vancouver Convention Centre Room West Ballroom A

Chairs: Robert Jankov and J. Raj

9:45* The Combination of Nitric Oxide and Vitamin A Therapy Reverses Adverse Effects of Oxygen on Lung Endothelial Cells, Promoting Microvascular and Airway Development. Chelsea Douglass, Sana Mujahid, Heber C. Nielsen, Christiane E.L. Dannmann, MaryAnn V. Volpe.

10:00* cGMP-Dependent Protein Kinase I Mediates Hyperoxia-Induced Vascular Changes in Brochopulmonary Dysplasia-Associated Pulmonary Hypertension. Keng Jin Lee, Gina A. Kim, Joann M. Taylor, Franz Hoffmann, Kathryn N. Farrow.


10:45 L-Citrulline Recouples eNOS and Ameliorates Progressive Chronic Hypoxia-Induced Pulmonary Hypertension in Newborn Pigs. Candice Fike, Anna Dikalova, Mark Kaplowitz, Marshall Summar, Judy Ashner.

11:00 Hyperoxia Selectively Increases NocX Expression in Neonatal Lungs and Pulmonary Arteries. Stephen Wedgwood, Satyan Lakshminrusimha, Paul Schumacker, Robin Steinborn.

11:15 Hematopoietic Stem Cell Dysfunction and Role in Pulmonary Arterial Hypertension (PAH). Rizwan Hamid, Ling Yan, Joy Cogan.

11:30* Proton-Sensing Receptors Contribute To Regulation of Pulmonary Vascular Tone. Benjamin Mackowiak, Charles H. Williams, Audrey Y. Frist, Candice D. Fike, Charles C. Hong.

11:45am - 11:45am

4540  Quality Improvement: Better Outcomes of Care
   Platform
   Vancouver Convention Centre Room East 11

Chairs: Alex Kemper and Suzette Oyeku


10:00  Early Postoperative Respiratory Care Improves Outcomes, Value for Hospitalized Pediatric Orthopedic Patients. Erin E. Shaughnessy, Cyndi White, Hemant Sawani.

10:15  A Quality Improvement Project To Improve Pain Management for Patients With Extremity Pain in the Pediatric ED. Daniel M. Fein, Rochelle R. Hartley, Steven J. Choi, Paul Chambers.

10:30  Adoption of Electronic Medical Record-Based Decision Support for Otitis Media in Children. A. Fiks, P. Zhang, R. Localio, S. Khan, R. Grundmeier, D. Karavite, C. Bailey, E. Alessandrini, C. Forrest.

10:45* Decreasing Overuse of Continuous Pulse Oximetry in Patients With Wheezing. Amanda Schondelmeyer, Angela Stallite, Kelsey Hofacer, Jeffrey Simmons, Patrick Brady.

11:00* Asthma Quality Improvement: Objective Admission Criteria Reduce Emergency Department Length of Stay. Lori E. Rutman, Russell Migita, Suzanne Spencer, Ron Kaplan, Eileen J. Klein.

11:15 Sustainability of Asthma Quality Improvement Measures in Pediatric Primary Care After Participation in a Learning Collaborative. Kimberly Giuliano, Allison Brindle.

11:30  Association between Standardized Clinical Pathway Care and Outcomes among Hospitalized Children. K. Casey Lion, Davene Wright, Suzanne Spencer, Susan Stanford, Chuan Zhou, Howard Jeffries, Mark A. Del Beccaro, Rita Mangione-Smith.

9:45am - 11:45am

4545  Rare Diseases II
   Poster Symposium - Room East 119-120

Viewing: 9:45am - 10:15am
Discussion: 10:15am - 11:45am

Chairs: Patricia Dickson and Debra Weese-Mayer

Discussant:

687  Efficacy and Cost Effectiveness of Whole Exome/Genome Sequencing in Identifying the Genetic Basis of Disease in a Pediatric Population With Undiagnosed/Rare Phenotypes. Meghan C. Towne, Catherine A. Brownstein, David M. Marguiles, Alan H. Beggs, Pankaj B. Agrawal.


689  NTF3 as a Modifier for Bracing in Adolescent Idiopathic Scoliosis. Philip Giampietro, Alex Stoddard, Sijian Yan, Joy Cogan.

11:00am - 11:45am

APS/SPR Student Research Program
Samantha Gordon


691  The Genetic Landscape of Rhabdomyosarcoma. Riki Nishimura, Masafumi Seki, Kenichi Yoshida, Yuichi Shiraishi, Yusuke Okuno, Noriko Hoshino, Masashi Sanada, Akira Oka, Yasuhide Hayashi, Satoru Miyano, Seishi Ogawa, Junko Takita.

692  Assessment of Safety and Efficacy of Glycosde Extended Release Cornstarch in Glycogen Storage Disease Patient Types 0, I, III, VI, and IX. Katalin M. Ross, Laurie M. Brown, Michelle M. Corrado, Latavria M. Curry, David A. Weinstein.

693  Cardiac Surgery Outcomes in Heterotaxy Syndromes: 25 Years Experience from a Multicenter Consortium. Shanthi Sivanandam, Parvin Dorostkar, Lazaros Kotions.

**Finding Tolerance: Advances in Pediatric Renal Transplantation**

Muhammad Tariq, Charles M. Lourenco, Stephanie M. Ware.

Publication 4545.695

**Does Genotype Predict Age of Onset of Cardiomyopathy in Patients With Duchenne Muscular Dystrophy?**

Charlotte Van Dorn, Michael Puchalski, Hsinn-Yi Weng, Russell Butterfield, Steven Bleyl, Richard Williams.

Publication 4545.696

**Kawasaki Disease and Respiratory Viruses: Is It Possible To Distinguish Which Patient Really Has KD?**


Publication 4545.697

**Subcutaneous Methotrexate Dosing Results in Improved Early Response in Juvenile Idiopathic Arthritis.**

Mara L. Becker, Leon van Haandel, Ryan S. Funk, Mark F. Hoeltzel, Andrew Lasky, Maria Ibarra, Cara M. Hoffart, J. Steven Leeder.

Publication 4545.698

**Emerging and Challenging Infections in Pediatrics**

Barbara Ann Jantausch, Children’s National Medical Center, Washington, DC, Trudy V. Murphy, Centers for Disease Control and Prevention, Atlanta, GA

**Neonatal Sepsis Syndrome Due to Human Parechoviruses**

Rebecca E. Levorson, Fairfax Neonatal Associates, PC, Fairfax, VA

**Hepatitis C Infection: What the Pediatric Infectious Diseases Specialist Needs to Know**

Ronald J. Sokol, University of Colorado School of Medicine, Aurora, CO

**Treating Clostridium difficile Infection: Strategies and Controversies**

Thomas J. Sandora, Boston Children’s Hospital, Boston, MA

**Helicobacter pylori: To Treat or Not to Treat, That Is the Question**

Steven J. Czinn, University of Maryland School of Medicine, Baltimore, MD

**Crossing the Immune Barrier**

ASPR Topic Symposium

Vancouver Convention Centre - East 211

Chairs: Paul C. Grimm, Stanford University Medical Center, Stanford, CA, and Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

Solid organ transplantation has improved the life of many patients. However, understanding the highly sensitized patient and the tools required for diagnosing these states is complex. The potential for ABO incompatible transplants and finding tolerance will be explored in this session

**Immuo-Diagnostics: Understanding the Cross-Match and Antigens**

Paul C. Grimm, Stanford University Medical Center, Stanford, CA

**The Highly Sensitized Patient: Option to Move Them Closer to Successful Transplantation**

Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

**ABO Incompatibility and Renal Transplantation**

Robert B. Ettinger, UCLA Medical Ctr., Los Angeles, CA

**Finding Tolerance: Advances in Pediatric Renal Transplantation**

Jens Goebel, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

Target Audience: Scientists and clinicians involved in solid organ transplantation.

Objective:

- Realize the immuno-diagnostic testing available for highly sensitized patients

Chairs: Paul C. Grimm, Stanford University Medical Center, Stanford, CA, and Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

Solid organ transplantation has improved the life of many patients. However, understanding the highly sensitized patient and the tools required for diagnosing these states is complex. The potential for ABO incompatible transplants and finding tolerance will be explored in this session

**Emergency Response in Juvenile Idiopathic Arthritis**

Mara L. Becker, Leon van Haandel, Ryan S. Funk, Mark F. Hoeltzel, Andrew Lasky, Maria Ibarra, Cara M. Hoffart, J. Steven Leeder.

Publication 4545.698

Target Audience: Scientists and clinicians involved in solid organ transplantation.

Objective:

- Realize the immuno-diagnostic testing available for highly sensitized patients

Chairs: Paul C. Grimm, Stanford University Medical Center, Stanford, CA, and Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

Solid organ transplantation has improved the life of many patients. However, understanding the highly sensitized patient and the tools required for diagnosing these states is complex. The potential for ABO incompatible transplants and finding tolerance will be explored in this session

**Emerging Infections in Asia and Beyond**

Vancouver Convention Centre - West 220

Target Audience: General pediatricians, infectious disease specialists and immunologists

Objective:

- To insurce understanding and recognition of infectious diseases

Chairs: Yu Lung Lau, The University of Hong Kong, Hong Kong, Hong Kong, and Hiroyuki Moriuchi, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

The emerging and re-emerging infectious diseases are posing a great health risk for children of the last several years. The emergence of infectious diseases has great impacts on economic and social conditions, and has a risk of panic reaction. The diseases including tuberculous, Dengue fever, EB virus, enterovirus and Penicillium marneffei are the subjects of the session. The infection is implicated in more severe diseases than thought, especially in immunocompromised patients. The audience should have updated knowledge for control of epidemic diseases, and of advances in basic scientific research. Pediatricians must contribute to the public health preparedness to control emerging and re-emerging diseases

**EB Virus Infection and Hemophagocytic Lymphohistiocytosis**

Shen Kunling, Beijing Children’s Hospital, Beijing, China

**Epidemiology of Human Enterovirus 71 in Asia**

Mong How Ooi, Sarawak General Hospital, Kuching, Sarawak, Malaysia

**Penicilliosis in HIV-Infected Children**

Virat Sirisathantha, Chiang Mai University, Chiang Mai, Thailand

**Diagnosis of Tuberculosis in Children: Current Trends**

Rajeshwar Dayal, S N Medical College, Agra, Uttar Pradesh, India

**Dengue Virus Infection and Thalassaemia**

Ampaiwan Chuansumrit, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Ratchatewi, Thailand

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

12:15-12:45

**Gastrointestinal Diseases in the NICU and Beyond!**

PAS Topic Symposium

Vancouver Convention Centre - West 109

Target Audience: Of great interest not only to neonatologists and consulting gastroenterologists but also the community pediatricians who play a very important role post NICU discharge in the management of their chronic medical needs. Would also appeal to the geneticist as genetic defects form the basis of several chronic cholestatic liver disease.

Objectives:

- To gain knowledge GERD and debate the pros and cons of PPI therapy
- Develop an algorithm to diagnose causes of newborn cholestasis
- To acquire skills on the art of managing Short Bowel Syndrome

Chairs: Melvin B. Heyman, University of California, San Francisco, San Francisco, CA, Jyoti Ramakrishna
Increasing number of preemies, especially micropreemies are being cared for in the NICU. With this “premie boom,” neonatologists and consulting gastroenterologists are managing a greater number of gastrointestinal conditions. Chronic GI medical therapy is often warranted for optimal care of these patients but therapies are associated with their own risks. This session will deal with common GI conditions recognized in the NICU requiring chronic care: gastroesophageal reflux, non surgical cholestasis and Short Bowel Syndrome.

12:15 Widespread Acid Suppression in the NICU: Is It All Reflux?
Harland Steven Winter, Mass General Hospital for Children, Boston, MA

12:50 Chronic Cholestasis in the Neonate: Wealth of Causes and Advances in Therapy!
Nadia Ovchinsky, Columbia University, New York, NY

1:25 Short Bowel Syndrome: The Chronically Critically Ill Infant
Anupama Chawla, Stony Brook Children’s Hospital, Stony Brook, NY

2:00 Discussion

12:15pm-2:15pm

4620 Non Communicable Diseases – A Global Child Health Challenge
PAS State of the Art Plenary
Vancouver Convention Centre - West 1 110

Target Audience: This session will be of great interest to pediatricians knowledgeable in the care of children and the study of childhood disease, applying that knowledge to similar problems which have been neglected in low and middle income countries.

Objectives:
- To appreciate the importance of non communicable diseases in low and mid income countries
- To recognize the importance of adolescent disorders as a precursor to adult disease
- To recognize the importance of blood diseases which are well controlled in high income countries but major problems globally

Chairs: Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada, and William J. Keenan, Saint Louis University, St Louis, MO

The millennium development goal have focused on reducing the global problems of communicable diseases perinatal health and related issues. There is still much to be done in these areas. However it is evident that no one communicable diseases are a major problem in developing countries and will become a worldwide focus in coming years. These problems include all the diseases of childhood and adolescence. This session will begin to consider these issues and recognize the international movement developed to study and solve these problems.

12:15 Noncommunicable Diseases and International Pediatric Association
William J. Keenan, Saint Louis University, St Louis, MO

12:25 NCD Child – An International Coalition
Kate Armstrong, NCD Child, Denistone, New South Wales, Australia

12:55 Neglected Blood Diseases of Childhood
Vindu K. Bhutani, Stanford University School of Medicine, Palo Alto, CA

1:25 Diabetes and Other Endocrine Disorders
Jean-Pierre Chanoine, British Columbia’s Children’s Hospital, Vancouver, BC, Canada

1:55 Adolescent Antecedents of Adult Disease
Robert William Blum, Bloomberg School of Public Health, Baltimore, MD


12:45 Adenosine A1, Receptors Contribute To Immune Regulation After Neonatal Hypoxic Ischemic Brain Injury. Max Winerdal, Malin E. Winerdal, Bertil B. Fredholm, Ola Winqvist, Ulrika Aden.

1:00 Neuroprotective Effect of Lactoferrin in Inflammatory Neonatal Rat Brain Injury Assessed by High-Field 1H-MR Spectroscopy. Vanessa Ginet-Puyal, Yohan Van de Looij, Rolf Gruetter, Petra Huspi, Stephane Sizonenko.


1:45 Leptin Prevents Cognitive Impairments in a Rodent Model of Post-Natal Growth Restriction Seen in Preterm Infants. Ian J. Griffin, Erica L. Alexeev, Bo L. Lonnerdal.


12:15pm-2:15pm

4655 Cardiovascular Regulation & Neonatal Outcomes
Vancouver Convention Centre Room West Ballroom B

Chairs: Karen Fairchild and Georg Schmolzer


12:45 Duration of Cord Clamping and Short Term Neonatal Outcomes in Very Preterm Infant. Dongli Song, Priya Jategaonkar, Glenn DeSandre, Madhu Manani, Lynn Showalter, Monica Stemmle, Balaji Govindaswamy.

1:00 Blood Pressure in Term and Preterm Infants Immediately after Birth. Gerhard Pichler, Po-Yin Cheung, Corrinna Binder, Megan O’Reilly, Bernhard Schwabeger, Khalid Aziz, Berndt Ulesberger, Georg M. Schmolzer.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15</td>
<td>The Ontogeny of Cerebrovascular Pressure Autoregulation in Human Premature Infants.</td>
<td>Vancouver Convention Centre Room East 8</td>
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<tr>
<td>1:30</td>
<td>The Diastolic Collapsing Margin Is Associated With Intraventricular Hemorrhage in Premature Infants.</td>
<td>Publication 4655.5</td>
</tr>
<tr>
<td>1:45</td>
<td>Impaired Cerebral Autoregulation During Therapeutic Hypothermia and Structural Brain Injury in Newborns With Hypoxic Ischemic Encephalopathy.</td>
<td>Publication 4656.6</td>
</tr>
<tr>
<td>2:00*</td>
<td>Time-Frequency Versus Frequency-Domain Method for Non-Invasive Assessment of the Cerebral Autoregulation in Preterm Infants: Assessment of the Predictive Capacity of Clinical Outcomes.</td>
<td>Publication 4657.7</td>
</tr>
<tr>
<td>12:15</td>
<td>Health Care Utilization Trends for Patients Admitted To Children's Hospitals Stratified by Medical Complexity Using the Pediatric Medical Complexity Algorithm (PMCA).</td>
<td>Publication 4660.1</td>
</tr>
<tr>
<td>12:30</td>
<td>Is Late Preterm or Early Term Birth Associated With Receipt of Special Education? Alyson B. Goodman, Deborah Christensen, Heather Clayton, Marshalyn Yeargin-Allsopp, Kim Van Naarden Braun.</td>
<td>Publication 4660.2</td>
</tr>
<tr>
<td>12:45</td>
<td>Analysis of 100 Pediatric Highest Cost Cohorts: Trends Over a Decade. Nancy A. Murphy, Edward B. Clark.</td>
<td>Publication 4660.3</td>
</tr>
<tr>
<td>1:00</td>
<td>When Complex Care Goes Complementary: Closing the Loop on Integrated Care for Children With Special Health Care Needs. Christina Bethell, Narangere Gombojovad, Adam Carle, John Neff, Paul Newacheck, Thomas K. Koch.</td>
<td>Publication 4660.4</td>
</tr>
<tr>
<td>1:15</td>
<td>Variations in Health Care Use by Children With Chronic Illness: A Population-Wide Analysis. L. Sanders, V. Sundaram, L. Chamberlain, E. Wang, P. Wise.</td>
<td>Publication 4660.5</td>
</tr>
<tr>
<td>1:30*</td>
<td>Implications of Different Classification Strategies for Children With Medical Complexity (CMC). K. Hannan, S. Johaningsmeir, Shi Zhao, A. Okun, J. Gordon, M. McCord.</td>
<td>Publication 4660.6</td>
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<tr>
<td>2:00</td>
<td>Summary Data from the National Spina Bifida Patient Registry 2009-2012. Kathryn A. Smith, Elizabeth Ward, Tiebin Liu, Paula Peterson, Judy Thibadeau.</td>
<td>Publication 4660.8</td>
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<tr>
<td>1:00*</td>
<td>Evidence of Vascular Endothelial Injury in Young Children Exposed To Secondhand Smoke. Alisha Moreno, Nicholas Eastman, Hong Huang, Brandon Schanbacher, Elizabeth Klein, Jennifer Kuck, Judith Groner, John A. Bauer.</td>
<td>Publication 4661.4</td>
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<tr>
<td>1:30*</td>
<td>Morbidity, Mortality, and Neurodevelopmental Outcomes of Extremely Preterm Infants Born To Insulin-Dependent Diabetic Mothers. N. Boghossian, N. Hansen, E. Bell, NICHD Neonatal Research Network.</td>
<td>Publication 4661.6</td>
</tr>
<tr>
<td>1:45</td>
<td>Reconstructing Early Life Exposure To Chemical Mixtures Using a Dental Biomarker. Manish Arora.</td>
<td>Publication 4661.7</td>
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<tr>
<td>2:00</td>
<td>Health Care Utilization of Siblings Residing With Children With Disability. Anthony Goudie, Dennis Z. Kuo, James M. Robbins.</td>
<td>Publication 4661.8</td>
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<tr>
<td>12:15</td>
<td>The Effects of Dioxin Exposure Through Breastfeeding on Psychosocial and Behavioral Development. Yumi Kono, Akira Oka, Hiroshi Tada, Kazuo Itabashi, Eiko Matsui, Yosikazu Nakamura.</td>
<td>Publication 4670.1</td>
</tr>
<tr>
<td>12:30</td>
<td>Relationship between Prenatal TV Watching During Meals and Infant TV Exposure During Feeding. Kenny Diaz, Rachel Gross, Roberta Scheinmann, Michelle Gross, Alan Mendelsohn, Suzy Tomopoulos, Mary Jo Messito.</td>
<td>Publication 4670.2</td>
</tr>
<tr>
<td>12:45*</td>
<td>Long Term Clinical Outcome and Brain Morphometry in ELBW Children at 10 Years Compared With Healthy Controls. Kristine Hermansen Grunewald, Toril Fjortoft, Knut Jorgen Bjuland, Lars Rimol, Gro C. Lohaugen, Jon Skranes.</td>
<td>Publication 4670.3</td>
</tr>
<tr>
<td>1:00*</td>
<td>Early Growth after Preterm Birth and Neurocognitive and Mental Health Outcomes in Young Adulthood: the Helsinki Study of Very Low Birth Weight Adults. Sara Sannmallahi, Riikka Pyhala, Marius Lahti, Jari Lahti, Anu-Katriina Pesonen, Kati Heinonen, Petteri Hovi, Johan G. Eriksson, Sonja Strang-Karlsson, Sture Andersson, Anna-Lisa Jarvenpaa, Eero Kajantie, Katri Raikkonen.</td>
<td>Publication 4670.4</td>
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*First Author is Trainee (fellow, house officer or student)

1:30 Racial Differences in Developmental Regression in Children With Autism Spectrum Disorders. Adiaha Spinks-Franklin, Amy Shui, Rochelle Sexton, Jennifer B. Swanson, Robert G. Voigt. Publication 4670.6

1:45 Associations Between Adverse Childhood Experiences and ADHD: Analysis of the 2011 National Survey of Children’s Health. Nicole M. Brown, Suzette N. Brown, Miguelina German, Peter F. Belamarich, Rahil D. Briggs. Publication 4670.7

2:00 Association of Attention-Deficit/Hyperactivity Disorder and Conduct Disorder With Alcohol and Tobacco Use in a National Sample of Young Adolescents. William B. Brinkman, Tanya E. Froehlich, Peggy Auinger, Leanne Tamn, Jeffery N. Epstein. Publication 4670.8

12:15pm–2:15pm

4680 Neonatal Medicine: Pulmonary Clinical Trials

Platform

Vancouver Convention Centre Room West Ballroom A

Chairs: Eduardo Bancalari and Cynthia McEvoy

12:15 Role of Endotracheal Suction on the Occurrence of Meconium Aspiration Syndrome (MAS) in Non-Vigorous Meconium Stained Neonates-A Randomized Controlled Trial. Sushma Nangia, Shyam Sunder S, Sounnya Tiwari, Arvind Saill. Publication 4680.1


12:45 Early Use of Combined Inhaled Nitrile Oxide and Surfactant in the Treatment of Newborns With Hypoxemic Respiratory Failure: A Randomized Controlled Trial. Alvaro J. Gonzalez, Aldo Bancalari, Waldo Osorio, Agustina Gonzalez, Hector Perez, Javier Kattan. Publication 4680.3


1:15* Jet Continuous Positive Airway Pressure Versus Bubble Continuous Positive Airway Pressure in Preterm Babies With Respiratory Distress: A Randomized Controlled Trial. Anuj Bhatti, Jafar Khan, Srinivas Murki, Venkataseshan Sundaram, Shiv Sajan Saini, Praveen Kumar. Publication 4680.5

1:30 A Randomized Multicenter Clinical Trial of Sustained Lung Inflation (SLI) in Preterm Infants at Birth (ClinicalTrials.gov Number, NCT01440868 ). Gianluca Lista, Luca Boni, Fabio Scopesi, Fabio Mosca, Daniele Trevisanuto, Hubert Messner, Giovanni Vento, Rosario Magaldi, Antonio Del Vecchio, Massimo Agosti, Camilla Gizi, Fabrizio Sandri, Paolo Bihan, Massimo Bellettato, Diego Gazzolo, Antonio Boldrini, Carlo Dani. Publication 4680.6


2:00* Prospective Economic Evaluation Alongside the Nasal Intermittent Positive Pressure Ventilation Trial (NIPPV). Meredith E. Mowitz, Dmitry Dukhovny, David Millar, Harsh Kirpalani, Robin Roberts, Wenyang Mao, John A.F. Zupancic. Publication 4680.8

12:15pm–2:15pm

4685 Perinatal Management of the Very Preterm

Platform

Vancouver Convention Centre Room

Chairs: Erika Fernandez and James Padbury

12:15 Transient Receptor Potential Channel Blockade Prevents Preterm Delivery in Murine Models of Prematurity. Lihua Ying, Cristina M. Alvira, David N. Cornfield. Publication 4685.1


12:45* A Randomized Control Study Comparing Different Methods of Prenatal Counseling in Mothers at Risk of Preterm Delivery. Rajeev Kumar, Mopelola Akinotorin, Medha Kamat, Christian Castillo, Louis Fogg. Publication 4685.3
1:00* Neonatal Outcomes of Preterm Twins by Mode and Presentation at Birth. Jyotsna Shah, Tiffany Hunter, Prakesh Shah, Sandesh Shivananda, Anne Synnes, Kellie Murphy. *Publication 4685.4


2:00* Maternal Chorioamnionitis Increases the Hospital Costs of Neonatal Intensive Care for Preterm Infants. Anne Groves, Milan Makelarsi, Akhil Maheshwari. *Publication 4685.8

12:30 Neonatal Sepsis and Prematurity, Global Challenges
Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia

12:40 Immunological Factors Predisposing Preterm Infants to Infection
Pascal M. Lavoie, University of British Columbia, Vancouver, BC, Canada

1:05 Developmental Immunity: The Pivotal First Years of Life
Tobias Kollmann, University of British Columbia, University of British Columbia, Vancouver, BC, Canada

1:30 Current and Emerging Approaches to Prevent and Treat Newborn Infection
Ofer Levy, Boston Children's Hospital, Boston, MA

1:55 Improving Health Outcomes of Neonatal Infection: Challenges and Opportunities
Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

2:20 Discussion

Jointly sponsored by the Academic Pediatric Association, American Academy of Pediatrics, American Pediatric Society, American Society of Pediatric Nephrology, Asian Society for Pediatric Research, Pediatric Infectious Diseases Society and the Pediatric Academic Societies
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<th>TUESDAY, MAY 6</th>
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<td>7:00am–8:00am</td>
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<td>7:30am–9:30am</td>
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<tr>
<td>Coffee and Light Breakfast with Pediatric Nephrology Fellows and Faculty</td>
<td><strong>Meet the Professor Breakfast Session</strong></td>
<td>Pediatric Nephrology in a Small Group Setting Breakfast</td>
<td><strong>Poster Session IV</strong></td>
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<td>8:00am–10:00am</td>
<td>8:00am–10:00am</td>
<td>8:00am–10:00am</td>
<td>8:00am–10:00am</td>
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<tr>
<td><strong>Invited Science</strong></td>
<td><strong>Invited Science</strong></td>
<td>Original Science Abstracts</td>
<td><strong>ASPN Workshop</strong></td>
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<td>• Pediatric Kidney Stones</td>
<td>• Two Sides of the Same Coin: A Closer Look at the United States Preventative Services Task Force Report</td>
<td>• MOD Basil Presentations</td>
<td>• Peritoneal Dialysis Update: 2014</td>
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<td>10:30am–12:30pm</td>
<td>10:15am–11:45am</td>
<td>• Hypertension</td>
<td>• Nephrotic Syndrome Up to Date</td>
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<tr>
<td><strong>Invited Science</strong></td>
<td><strong>APS Presidential Plenary and Awards</strong></td>
<td></td>
<td>12:15pm–2:15pm</td>
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<tr>
<td>• State of The Art and Science of Neonatal/Pediatric Extracorporeal Support</td>
<td>11:45am–12:45pm</td>
<td><strong>ASPN CPC Fellows Luncheon: Battle of the Brains</strong></td>
<td><strong>Invited Science</strong></td>
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<td></td>
<td><strong>ASPN Presidential Address and Business Meeting</strong></td>
<td>ICD-10 for Pediatric Nephrologists Luncheon</td>
<td>• Crossing the Immune Barrier</td>
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<tr>
<td>12:30pm–2:00pm</td>
<td>1:00pm–3:00pm</td>
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<td>12:30pm–2:00pm</td>
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<tr>
<td><strong>Original Science Abstracts</strong></td>
<td>March of Dimes Prize in Developmental Biology Lectures</td>
<td><strong>Original Science Abstracts</strong></td>
<td><strong>Invited Science</strong></td>
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<tr>
<td>• Nephrology I: Clinical/Translational</td>
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<td>• Nephrology II: Basic Science</td>
<td>• Neonatal Sepsis: A Global Challenge</td>
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</table>
Join us in Vancouver, where the American Society of Pediatric Nephrology (ASPN) and the Pediatric Academic Societies (PAS) will, for the twelfth year, host tightly aligned annual meetings. ASPN symposia, joint symposia, original science, awards and business activities will be held at the Vancouver Convention Centre.

**Registration Information**
There will be a single registration fee for the ASPN/PAS meeting set at the PAS registration fee schedule. This fee allows participants to attend all ASPN and PAS functions.

**Continuing Education**
Continuing Education Credit is available through the PAS. See page 385 for complete information.

**Acknowledgements**
The ASPN would like to acknowledge the generosity of the following corporate and session sponsors. Their educational grants have significantly benefited the Society and its efforts.

- International Pediatric Nephrology Association
- John E. Lewy Foundation for Children’s Health
- Alexion Pharmaceuticals, Inc.
- Amgen, Inc.
- International Pediatric Nephrology Association
- John E. Lewy Foundation for Children’s Health
- Oxalosis & Hyperoxaluria Foundation
- NephCure Foundation
- Nephropath
- Novartis Pharmaceutical Corporation
- Sanofi-Aventis U.S.

**Friday, May 2**
1:00pm–6:30pm

**0500 PA SAPPD Core Curriculum Fellows’ Series**
Vancouver Convention Centre - West 118-122
Preregistration Required

Three 60-120 minutes sessions will be presented in each of three tracks. Preregistration was required to attend. A reception will follow with special presentations from PAS leaders. This series is designed to meet elements of the core curriculum for pediatric fellowship subspecialty training. A certificate will be emailed to everyone in attendance.

6:30pm–7:30pm

**0550 PA SAPPD Core Curriculum Fellows’ Series: Reception**
Vancouver Convention Centre - West 118-122 Foyer/Terrace

Must be registered as a Core Curriculum Fellows’ Series participant to attend.

**Saturday, May 3**
7:00am-8:00am

**1060A Coffee and Light Breakfast with Pediatric Nephrology Fellows and Faculty**
Vancouver Convention Centre - West 219

Target Audience: Residents/Students interested in Nephrology Fellowship.

Objective:
- To talk to current nephrology fellows in a casual environment about fellowship life training.

Chair: Tecile Prince-Andolino, Mount Sinai School of Medicine, New York, NY

An informal gathering for residents and students interested in a career in pediatric nephrology to meet and discuss life and training issues with current nephrology fellows and faculty; also at this event, fellows will share the program highlights and explain which sessions are of particular value for student and resident learners.

8:00am-10:00am

**1130 Pediatric Kidney Stones**
PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Pediatricians, Pediatric Nephrologists, General Pediatrics, Pediatric Emergency, Medicine specialists and dietitians interested in the growing issues of Pediatric kidney stones.

Objectives:
- Discuss the increasing frequency that kidney stones are encountered and resulting implications for the field of Pediatric Nephrology.
- Outline the management of pediatric calcium oxalate, calcium phosphate, cystine, struvite and uric acid kidney stones along with primary hyperoxaluria.
- Highlight the genetic etiology and management of rare kidney stones diseases.

Chairs: Craig B. Langman, Lurie Children’s Hospital of Chicago, Chicago, IL, and David J. Sas, Medical University of South Carolina Children’s Hospital, Charleston, SC.

Recent evidence indicates that kidney stones are increasing in frequency in children. This symposium will consider molecular basis and clinical implications of the multiorgan and comorbid presentation of kidney stones. The current state of urological management of kidney stone disease will be discussed. The symposium will end with consideration of the genetic basis and comprehensive management of rare and complex kidney stone disease including cystine stones and primary oxaluria.

8:00 Changing Epidemiology of Kidney Stones
David J. Sas, Medical University of South Carolina Children’s Hospital, Charleston, SC

8:25 Molecular Basis and Clinical Implications of Kidney Stones as a Multi-Organ Condition
Tarak Srivastava, Children’s Mercy Hospital, Kansas City, Kansas City, MO

8:50 Genetic Etiology and Management of Rare and Complex Kidney Stone Disease
Dawn Milliner, Mayo Clinic, Rochester, MN

9:15 Urological Management of Kidney Stones
Kourosh Afshar, BC Children’s Hospital, Vancouver, BC, Canada

9:40 Discussion
Supported by an unrestricted educational grant from the Oxalosis & Hyperoxaluria Foundation.
Early identification via urinary biomarkers could guide improved therapy. Important with improved survival. Pediatric acute kidney injury has also become developmental and neurologic impact, monitoring and outcomes becomes more.

Anticoagulation help guide improvements in morbidity and survival. Understanding mortality and morbidity has developed. Advances in understanding of the milieu of cardiac support, improved scientific understanding of factors impacting both.

Cardiac support, improved scientific understanding of factors impacting both in a number of settings, particularly in pediatric respiratory and neonatal/pediatric management, broadening of indications, and enhanced techniques. As use increases cardiac failure continues to be refined due to improved understanding of physiologic.

The use of extracorporeal support in neonates and children with respiratory or cardiac failure continues to be refined due to improved understanding of physiologic management, broadening of indications, and enhanced techniques. As use increases in a number of settings, particularly in pediatric respiratory and neonatal/pediatric cardiac support, improved scientific understanding of factors impacting both mortality and morbidity has developed. Advances in understanding of the milieu of anticoagulation help guide improvements in morbidity and survival. Understanding developmental and neurologic impact, monitoring and outcomes becomes more important with improved survival. Pediatric acute kidney injury has also become better defined, and recognized as a coexisting factor in children requiring ECLS.

Early identification via urinary biomarkers could guide improved therapy.

Objectives:
- Articulate current indications and outcome measures for use of extracorporeal support in neonates and children for cardiac and respiratory failure
- Articulate current understanding of coagulation and anticoagulation in extracorporeal circuits, and identify current anticoagulation approaches to decrease complications
- Define the impact and mechanisms of potential neurologic effects of extracorporeal support, neurologic complications, and neurologic monitoring on ECLS

Chairs: Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA, and James Donald Fortenberry, Children’s Healthcare of Atlanta, Atlanta, GA

Target Audience: Clinicians and scientists involved with the care and study of neonates and children with acute cardiopulmonary failure benefitting from extracorporeal support.

10:30 Current Use of Extracorporeal Support in Neonates and Children: The Extracorporeal Life Support Organization Registry Experience
James Donald Fortenberry, Children’s Healthcare of Atlanta, Atlanta, GA

10:45 New Insights into Outcomes in Neonatal and Pediatric Respiratory Failure ECHINO
Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA

11:05 Extracorporeal Support for Pediatric Cardiac Failure: Mechanisms, Devices, and Outcomes
Ravi R. Thiagarajan, Boston Children’s Hospital, Boston, MA

11:25 Acute Kidney Injury in Children with Cardiorespiratory Failure: Defining It and Treating It on ECLS
Matthew L. Paden, Emory University, Atlanta, GA

11:45 Seeking the Holy Grail: Understanding and Optimizing Coagulation and Anticoagulation in ECLS
Gail Annich, University of Michigan, Ann Arbor, MI

12:05 The Child’s Brain on ECLS: Insights into Neurologic Effects, Outcome and Monitoring
Mark T. Ogino, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE

12:25 Discussion

12:15 Henry L. Barnett Award - AAP Section on Nephrology Introduction and Presenter
Larry Greenbaum, Emory University, Emory Children’s Center, Atlanta, GA

12:30 Award Recipient
Denis Geary, University of Toronto, Toronto, ON, Canada

12:45 ASPN Founder’s Award Introduction
Joseph T. Flynn, University of Washington, Seattle Children’s Hospital, Seattle, WA

Presenters
Victoria Norwood, University of Virginia, Charlottesville, VA and Fredrick Kaskel, Children’s Hospital at Montefiore, Bronx, NY

1:00 Award Recipient
Robert L. Chevalier, University of Virginia Children’s Hospital, Charlottesville, VA

1:00pm - 4:00pm

1500 Posters Available for Viewing
Vancouver Convention Centre, Hall B/C
Posters Available for Viewing: 1:00pm–4:00pm
Author Attendance and Opening Reception: 1:15pm–2:30pm

1:15pm - 2:30pm

Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C

Mentored Poster Viewing
Hypertension and Nephrology I

Mentored poster viewing starts at 1:30pm immediately following the ASPN Awards Luncheon; meet outside the luncheon doorway Hall B/C at 1:30pm. Pediatric Nephrology Faculty and Fellows will guide residents and students through the posters. This will give students and residents the opportunity to learn how to approach poster viewing and interact with faculty and fellows in an informal setting.

Course # Topic Board #
1517 Nephrology: General 213-228
1518 Nephrology: Workforce 229-232
1519 Nephrology: Hypertension 233-246

2:45pm - 4:45pm

1605 Blood Pressure Control in Pediatric Chronic Kidney Disease: What’s Possible, Why
PAS Topic Symposium
Vancouver Convention Centre - East 214

Target Audience: Pediatricians, nephrologists and cardiologists.

Objectives:
- Understand the consequences of untreated BP in Childhood CKD
- Delineate how well we control BP in ESRD and CKD
- understand the evidence based guidelines for BP control

Chairs: Joseph Flynn, Seattle Children’s Hospital, Seattle, WA, and Janis Dionne, BC Children’s Hospital; University of British Columbia, Vancouver, BC, Canada
Control of hypertension in chronic kidney disease (CKD) is important for slowing progression of CKD but is difficult to achieve. Additionally, current recommendations for optimal blood pressure (BP) targets in pediatric CKD are largely opinion-based because of a lack of longitudinal data on rates of progression at various levels of BP. This session will review the latest data on rates of BP control in pediatric CKD, discuss the effects of untreated hypertension in children with CKD, assess currently issued guidelines for BP targets in pediatric CKD, and offer suggestions on how best to achieve BP control in this patient population.

2:45 Rates of BP Control in Pediatric CKD and ESRD
Susan M. Halbach, Seattle Children’s Hospital, Seattle, WA

3:10 Consequences of Untreated Hypertension in Pediatric CKD
Donald John Weaver, Levine Children’s Hospital, Charlotte, NC

3:35 KDIGO, KDOQI, ESH, Task Force – Are Any of These Guidelines Evidence Based? Can They Be Achieved?
Janis Dionne, BC Children’s Hospital; University of British Columbia, Vancouver, BC, Canada

4:00 How Should We Measure BP and What Medications Should We Use to Control Hypertension in CKD?
Michael A. Ferguson, Boston Children’s Hospital, Boston, MA

2:45pm-4:45pm

1635A The Renal Endothelium: Update 2014
ASPN Topic Symposium
Vancouver Convention Centre - West 11

Target Audience: Clinical Basic Science Translational Career-Related.

Objective:
- Understand the important role endothelial cells portend on renal pathophysiology

Chairs: David M. Briscoe, Boston Children’s Hospital, Boston, MA, and Michael E. Seifert, Southern Illinois University, Springfield, IL

Glomerular endothelial cells are highly specialized fenestrated cells that promote selective filtration of plasma through the kidney glomerular filtration barrier. These often ignored cells are increasingly recognized as playing a central role in the development and progression of several primary kidney diseases. This session will provide an overview and update on endothelial cell biology followed by a discussion of the role of endothelial cells in the pathogenesis of renal disease.

2:45 Renal Endothelial Cell Biology Overview
Michael E. Seifert, Southern Illinois University, Springfield, IL

3:15 Cross Talk between the Endothelial Cell and the Pericyte: Lessons from Renal Fibrosis
Jeremy Duffield, University of Washington, South Lake Union, Seattle, WA

3:45 Endothelial Cell Injury in Lupus Nephritis
Scott E. Wenderfer, Baylor College of Medicine / Texas Children’s Hospital, Houston, TX

4:15 Cell Intrinsic Regulation of Endothelial Dysfunction in Chronic Inflammation/Chronic Rejection
David M. Briscoe, Boston Children’s Hospital, Boston, MA

Support by an unrestricted educational grant from Alexion Pharmaceuticals, Inc.

2:45pm-4:45pm

1685 Nephrology I: Clinical / Translational Platform
Vancouver Convention Centre - West 201

Chairs: Sandra Amaral and Poyyapakkam Srivaths

Refer to PAS daily programming for complete details.
Sunday, May 4

7:00am-8:00am

PAS Meet the Professor Breakfast Session
Pan Pacific Vancouver - Pacific Rim 1

The purpose of this session is to provide trainees and junior faculty the opportunity to meet with senior physicians who can provide insights in their field and provide career guidance in a small interactive group. Attendance at each session is limited and available on a first-come, first-served basis to maintain an intimate interactive format. This session is of particular interest to trainees and junior faculty.

Barbara Fivush, Johns Hopkins University, Baltimore, MD

8:00am-10:00am

2040 Pediatric Nephrology: A Challenging and Rewarding Career Choice

This session, designed for fellows and junior faculty, will explore issues related to pursuing an academic career in pediatric nephrology. Topics will include the spectrum of clinical disease in this field and choosing your area of focus. We will also discuss balancing your research career with clinical demands. Lastly, we will discuss why pediatric nephrology as a specialty provides exciting opportunities for the academic clinician. Questions and discussion will be encouraged.

Barbara Fivush, Johns Hopkins University, Baltimore, MD

8:00am-10:00am

2210A Ethical Dilemmas in Pediatric Nephrology: A Case-based Approach

ASPN Workshop
Vancouver Convention Centre - West 203

Target Audience: Nephrologists, ethicists, neonatologists.

Objectives:
- Review components of ethical decision making in clinical care
- Develop a framework for working through ethical dilemmas

Leaders: Robert B. Ettenger, UCLA Medical Center, Los Angeles, CA and Douglas S. Diekema, University of Washington, Seattle, WA

Nephrologists face ethical dilemmas throughout the course of their career. These can include decisions on which patients to start on dialysis; how to work with patients/families with known non-adherence, and decisions about which patients should receive a kidney transplant. Some decisions are made on a local basis while others are addressed at a national level (i.e. organ allocation rules). This workshop will review the ethical principles and ideas that are required to make decisions about these difficult topics. Participants will then review and discuss 3 real life patient cases with ethical dilemmas that have been submitted by ASPN fellows.

8:00am-10:00am

9:00am-11:45am

2300 APS Presidential Plenary and Awards

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies. Supported by an unrestricted educational grant from the John E. Levey Foundation for Children’s Health

10:15am-11:45am

2410A Two Sides of the Same Coin: A Closer Look at the US Preventative Services Task Force Report

PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Clinicians involved in the care of children in both primary care settings and also in referral settings for evaluation and management of children and adolescents noted to have elevated BP.

Objectives:
- To review the USPSTF Task Force Report
- To understand the impact of the report on the care of children
- To allow for open dialogue and better understanding of how to interpret the conclusions of this report

Chair: Donald Lee Batisky, Emory Children’s Center, Atlanta, GA

In 2013, the USPSTF Task Force declared there was no direct evidence that screening for hypertension in children and adolescents reduces adverse cardiovascular outcomes in adults. There have been substantial concerns on how this report and recommendations of the USPSTF on blood pressure (BP) screening will be interpreted by primary care clinicians and stakeholders in child health. Measurement of BP beginning at age three has been recommended since 1977. Reduction of cardiovascular events in adults has never been a primary rationale for BP measurement in children. The purpose has been to identify asymptomatic secondary hypertension and to identify children with heightened risk for primary hypertension. Clearly there is not only a need for better understanding of evidence gaps in the area of hypertension in children, but also a need for more research in this area. This session will allow for debate and discussion on this timely topic.
3. Classify and monitor hypertensive patients, similar cost-effectiveness analyses on the use of ABPM versus conventional casual blood pressure (CBP) measurement. Although adult studies suggest that significant cost savings can result from the use of ABPM, protocols appropriate for validation of monitors used in pediatric patients are lacking. Further research is also needed in the development of standardized medication exposure will also be reviewed.

**Target Audience:** Hepatologist, gastroenterologist, and neonatologist in Asia and USA.

**Objectives:**
- Know that exposures to environmental toxicants or medications may have acute and long-term consequences on the health of the kidney.
- Realize that iatrogenic causes of kidney injury are associated with significant burden in terms of public health and healthcare costs.

**Chairs:** Sharon P. Andreoli, J.W. Riley Hospital for Children, Indianapolis, IN, and J.J. Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

The kidney is susceptible to acute and chronic injury from a variety of exposures. This session will review historical and modern environmental exposures and their impact on kidney health. Additionally, recreational drug use and iatrogenic medication exposure will also be reviewed.

**10:30** **Occupational and Environmental Exposures and Kidney Health**
Jeffrey Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

**10:55** **Community-Based Analgesia: NSAIDs and Kidney Health**
Jason Mark Misurac, Riley Children’s Hospital, Indianapolis, IN

**11:20** **Recreational Drugs and Kidney Health**
Doug Blowey, Children’s Mercy Hospitals & Clinics, Kansas City, MO

**11:45** **Hospital-Based Pharmacological Oversight and Prevention of Kidney Injury: Costs and Considerations**
Stuart L. Goldstein, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

**10:30am-12:30pm**

**2420A Ambulatory Blood Pressure Measurement (ABPM)**
IPHA Workshop
Vancouver Convention Centre - East 13

**Objectives:**
- Identify the source of information with the most recent comprehensive information about ABPM in children as the AHA policy statement.
- Organize a program in ABPM at their home center.
- Determine how to assess the cost-effectiveness of ABPM in the evaluation of the child or adolescent with suspect hypertension. Analyze an ABPM report and understand how to interpret the findings.

**Chair:** Donald Lee Batisky, Emory Children’s Center, Atlanta, GA

It is clear that Ambulatory Blood Pressure Monitoring (ABPM) is useful in the evaluation of blood pressure levels in youth. However, there is a need for larger data sets, including normative data in healthy non-white populations. Information relating ABPM to well-defined or intermediate end points in youth with sustained hypertension is also lacking. Additional data will also be important in evaluating the efficacy of ABPM in measuring effects of interventions and reversal of target organ damage. Further research is also needed in the development of standardized protocols appropriate for validation of monitors used in pediatric patients. Finally, although adult studies suggest that significant cost savings can result from the use of ABPM versus conventional casual blood pressure (CBP) measurement to classify and monitor hypertensive patients, similar cost-effectiveness analyses have not yet been performed in children.

With these issues in mind, this workshop will address the following topics:

1. Review of the American Heart Association policy statement – Dr. Joseph Flynn
2. The nuts & bolts of setting up an ABPM program – Dr. Joshua Samuels
3. An overview of reimbursement strategies will be reviewed – Dr. Karen Redwine
4. Cost-effectiveness of using ABPM in the evaluation and management of pediatric hypertension – Dr. Dan Feig

5. Using the ABPM data for an advanced analysis – Dr. Elaine Urbina

In a workshop format, there will be opportunities for the audience to hear about these topics from noted experts in this field with ample opportunity for interactive discussion. Prior to the workshop, there will be a call for attendees to send difficult cases to be used for discussion at the workshop.

**10:30** **Overview**
Donald Lee Batisky, Emory Children’s Center, Atlanta, GA

**10:40** **Review of the American Heart Association Policy Statement**
Joseph T. Flynn, Seattle Children’s Hospital, Seattle, WA

**11:00** **The Nuts & Bolts of Setting up an ABPM Program**
Joshua A. Samuels, University of Texas Houston, Houston, TX

**11:20** **An Overview of Reimbursement Strategies**
Karen M. Redwine, University of Arkansas for Medical Science, Little Rock, AR

**11:40** **Cost-Effectiveness of Using ABPM in the Evaluation and Management of Pediatric Hypertension**
Daniel I. Feig, University of Alabama, Birmingham, AL

**12:00** **Using the ABPM Data for an Advanced Analysis**
Mark Mitsnefes, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

**1:00pm-3:00pm**

**2655A Chronic Kidney Disease after Acute Kidney Injury**
ASPN Topic Symposium
Vancouver Convention Centre - West 211

**Target Audience:** Pediatric nephrologists, Pediatric ICU, Pediatric cardiologists

**Session Content Is:** Clinical Basic Science Translational Career-Related Acute kidney injury (AKI) affects many children admitted to the intensive care unit. Over the last few years, it has been increasingly recognized that children with AKI are at risk of developing chronic kidney disease (CKD) in the future. This session will review the epidemiology of CKD as a result of AKI, as well as biomarkers that can potentially be used in the acute setting to identify patients at high risk of progression. Also discussed will be the risk factors for CKD after AKI in high risk populations including children with hemolytic uremic syndrome, after cardiopulmonary bypass, and in the neonatal period. Strategies for prevention, identification, and follow up will be discussed.

**Objectives:**
- Understand the risk factors associated with progression from AKI to CKD
- Realize critical issues with special populations and their unique risk for developing CKD

**Chairs:** David Selewski, University of Michigan / C.S. Mott Children’s Hospital, Ann Arbor, MI, and Prasad Devarajan, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

**1:00** **Epidemiology of CKD after AKI: Overview, Biomarkers, and Pathophysiology**
Cherry Mammen, University of British Columbia, Division of Nephrology, British Columbia Children’s Hospital, Vancouver, BC, Canada

**1:25** **CKD after Shiga-Toxin (STEC) Positive HUS**
Lawrence Copelovitch, Children’s Hospital of Philadelphia, Philadelphia, PA

**1:50** **CKD after Cardiac Surgery in Pediatrics**
Catherine Morgan, University of Alberta, Edmonton, AB, Canada

**2:15** **CKD after Neonatal AKI**
David J. Askenazi, University of Alabama, Birmingham, AL
Monday, May 5

7:00am - 8:00am

**3050A Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding**
PPC Hot Topic
Vancouver Convention Centre - West 111-112

Chairs: Richard Lee Bucciarelli, University of Florida, Gainesville, FL and Scott Denne, Indiana University, Indianapolis, IN

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and from non-profit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

Speakers: Charles Thompson, Pfizer; Ron Portman, Bristol-Myers Squibb; Shale Wong, Robert Wood Johnson Foundation

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

7:00 Introduction
Scott Denne, MD, FAAP
Professor of Pediatrics, Indiana University

7:05 Pediatric Innovation: Partners in Progress
Charles Thompson, MD, FAAP, Pfizer
Ron Portman, MD, FAAP, Bristol-Myers Squibb

7:15 Foundation Funding – A Viable Option
Shale Wong, MD, FAAP, Robert Wood Johnson Foundation

7:35 Discussion

7:00am-8:00am

**3055A Pediatric Nephrology in a Small Group Setting Breakfast**
ASPN Session
Fairmont Waterfront Vancouver - Princess Louise Suite

Objectives:
- Understand the challenges of practice in a small group setting
- Learn how to pool resources and not to reinvent the wheel
- Discuss how to continue to love pediatric nephrology

Nearly half of all Pediatric Nephrologists work in small group settings within smaller to mid-sized academic centers. This creates unique challenges, impacting how we see patients, how we arrange coverage, how we refer to surgical and procedural colleagues as well as larger pediatric nephrology practices, and how we live our lives.

This breakfast will help pediatric nephrologists in small group practices and fellows and faculty considering a future position at a small group practice make connections with one another and discuss important topics that impact our patients, our practice, and our careers. The session will have both an informal component for networking and collaborating with one another, but also an opportunity for open discussion about important topics.
8:00am-10:00am

3175  **Hypertension Research in 2014**  
Platform ~ Vancouver Convention Centre ~ Room West 211

Chairs: Rac-Ellen Kavey and Amy Wilson

Refer to PAS Daily Programming for presentation details.

8:00am-10:00am

3180  **March of Dimes Basil O’Connor Symposium**  
MOD Topic Symposium  
Vancouver Convention Centre - West 214

Target Audience: Mature scientists and young investigators whose research is focused on pregnancy, complications of pre-term birth, developmental biology, or genetics.

Objectives:
- Will hear 8 funded research presentations from Basil O’Connor awardees as examples of MOD funding interests
- Will see how genetics can be used to predict outcomes
- Will benefit from the integration of basic and translational research presentations

Chairs: Margaret K. Hostetter, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, and Joe Leigh Simpson, March of Dimes, White Plains, NY

This symposium, now proposed for the third time, features young investigators who are concluding their second year of support on Basil O’Connor Awards from the March of Dimes. Both MDs and PhDs are represented. Presented research covers a range of topics that are areas of focus for the March of Dimes: pregnancy and prematurity, complications of preterm birth, developmental biology, genetics, etc. Members of the PAS Program Committee have attended the past two symposia and have been very complimentary regarding the breadth and excellent of the science.

Refer to PAS Daily Programming for presentation details.

*Presented by the March of Dimes Foundation*

8:30am-11:00am

3275A  **“Urine the Know” Best of Pediatric Nephrology in 2013-14**  
ASPN Workshop  
Vancouver Convention Centre - West 201

Target Audience: Pediatric Nephrologists.

Objectives:
- Outline the premium papers in the field to provide new knowledge to the attendee
- Provide a venue to discuss controversies in Pediatric Nephrology
- Open lines of communication to like minded individuals in terms of ongoing or potential collaborative research

One of the primary roles of the academic physician is to do research and disseminate the findings. With the conflicting responsibilities of clinical coverage, administrative work, teaching, our own research and family obligations, it can be challenging to keep up with the most important research findings outside of our own spheres. This workshop is intended to present the findings of the top advances in pediatric nephrology in 2013-14. The goal is to have 2 papers each in the fields of Acute Kidney Injury, Chronic Kidney Disease, Dialysis and Transplantation presented by their authors.

Leaders: Allison A, Eddy, British Columbia Children’s Hospital, Vancouver, BC, Canada and David Berrey Kershaw, University of Michigan, Ann Arbor, MI

8:30  **Introduction to the session**  
Allison A. Eddy, British Columbia Children’s Hospital, Vancouver, BC, Canada and David Berrey Kershaw, University of Michigan, Ann Arbor, MI

8:40  **AKI Section:**  

9:00  **CKD/Dialysis Section:**  

9:20  **Transplant Section:**  


10:00  **MED Topic Symposium:**  

10:20  **Ruebner RL, Reese PP, Dengburg MR, Abt PL, Furth SL.**


10:40  **Twombley K, Thach L, Ribeiro A, Seikaly M.**

11:00  **Ruebner RL, Reese PP, Dengburg MR, Abt PL, Furth SL.**

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies. Supported by an unrestricted educational grant from the International Pediatric Nephrology Association
Beans and Bones: FGF-23 in Metabolic Bone Disease

1:00 PM - 1:30 PM

FGF-23: The Assay and Overview
Rachel I. Gafni, National Institutes of Health, Bethesda, MD

1:15 PM - 1:45 PM

FGF23 and the Regulation of Phosphorus by the Kidney
Farzana Perwad, UCSF, San Francisco, CA

1:45 PM - 2:15 PM

FGF23 Activity in Bone Metabolism and Vascular Biology
Katherine Wesseling, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:15 PM - 2:45 PM

FGF23 in Metabolic Bone Disease of Endocrine Origin
Erik A. Imel, Indiana University School of Medicine and Riley Children's Hospital, Indianapolis, IN

2:45 PM - 3:15 PM

FGF23 in the Clinical Management of CKD-MBD
Mary B. Leonard, The Children's Hospital of Philadelphia, Philadelphia, PA

Jointly sponsored by the American Society of Pediatric Nephrology, Pediatric Endocrine Society, Society for Pediatric Research, Society and the Pediatric Academic Societies. Supported by an unrestricted educational grant from Amgen Inc. Supported by an unrestricted educational grant from Sanofi-Aventis U.S.

Supported by an unrestricted educational grant from Nephropath
4:15pm–7:30pm

3800 Posters Session III
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

Course # | Topic | Board #
--- | --- | ---
3804 | Chronic Kidney Disease | 131-143
3805 | Dialysis | 144-152
3806 | Transplant | 153-168

Refer to PAS Daily Programming for complete details.

5:00pm-7:00pm

3925A IPHA General Business Meeting
Vancouver Convention Centre – West 221

All current IPHA members as well as other interested individuals are invited to join us for discussion of current and upcoming IPHA activities.

Tuesday, May 6

7:00am - 11:00am

Poster Session IV
Vancouver Convention Centre, Hall B/C
Author Attendance: 7:30am–9:30am

8:00am-10:00am

4210A Peritoneal Dialysis Update: 2014
ASPN Workshop
Vancouver Convention Centre – West 221

Target Audience: Clinicians interested in ESRD care, Pediatric nephrologists.

Objectives:
- Know how to do and interpret a pet test
- Know how to modify prescriptions for peritoneal dialysis
- Understand the possible impact of SCOPE and IPPN on standards of practice

Leaders: Maury Pinsky, University of Alberta, Stollery Children’s Hospital, Edmonton, AB, Canada and Sandra Iragorri, Oregon Health & Science University, Portland, OR

Peritoneal dialysis remains the most cost effective and commonly used renal dialysis modality (both acutely and chronically) world-wide. Monitoring efficacy and prescription approaches will be reviewed in this session. Updates on North American and world-wide peritoneal dialysis initiatives will be reviewed.

8:00 | PD Prescriptions and Updates
Colin T. White, British Columbia Children’s Hospital, Vancouver, BC, Canada

8:30 | PET Utilization and Interpretation
Bradley Alan Warady, The Children’s Mercy Hospital, Kansas City, MO

9:00 | The Scope Trial: Update 2014
Joshua Zaritsky, Nemours / Alfred I. duPont Hospital for Children, Wilmington, DE

9:30 | IPPN Update
Hiren P. Patel, Children’s Hospital, Columbus, OH

9:45am–11:45am

4470 Nephrotic Syndrome Up to Date
PAS Topic Symposium
Vancouver Convention Centre – West 212-213

Target Audience: Pediatricians, general pediatricians and pediatric nephrologists.

Objectives:
- To describe and summarize new knowledge on the molecular mechanisms of the development of nephrotic syndrome in children
- To review the data and discuss issues regarding treatments of childhood nephrotic syndrome
- To discuss issues regarding possible future treatments of nephrotic syndrome

Chairs: Frederick Jeffrey Kaskel, Children’s Hospital at Montefiore, Bronx, NY, and Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Idiopathic nephrotic syndrome is the most common chronic glomerular disease in pediatric nephrology practice. Many patients respond well to steroid therapy, but some have steroid-resistant nephrotic syndrome (SRNS), which results in a higher rate of chronic renal failure. Standard treatments are steroid and immunosuppressive agents and achieve remission in most affected children. However, some still show refractory clinical courses. Recently, circulating soluble urokinase receptor was identified as a cause of focal segmental glomerulosclerosis, most common pathologic type of SRNS. Also, it was reported that minimal change nephrotic syndrome may be a CD80 podocytopathy. Rituximab, an anti-CD20 monoclonal antibody, might be effective for some types of refractory nephrotic syndrome in children. And, other well-designed clinical trials are planned for childhood refractory nephrotic syndrome. Therefore, now is the time to review and discuss on molecular mechanisms, treatment strategies and future therapies in childhood nephrotic syndrome.

9:45 | The Molecular Mechanisms of the Development of Nephrotic Syndrome in Children
Michelle Nicole Rheault, University of Minnesota, Minneapolis, MN

10:15 | Future Therapies for Nephrotic Syndrome
Keisha L. Gibson, University of NC at Chapel Hill, Chapel Hill, NC

10:45 | Treatment of Nephrotic Syndrome with Anti-CD20 Monoclonal Antibody
Shuichi Ito, National Center for Child Health and Development, Tokyo, Japan

11:15 | Treatments of Childhood Nephrotic Syndrome, Especially, Refractory Nephrotic Syndrome, on the Basis of the Well-Designed Clinical Trial
Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Jointly sponsored by the American Society of Pediatric Nephrology, Asian Society for Pediatric Research and the Pediatric Academic Societies. Supported by an unrestricted educational grant from the NephCure Foundation.
**Session 12:15pm-2:15pm**

### 4605A Crossing the Immune Barrier

**ASPN Topic Symposium**  
Vancouver Convention Centre - West 212-213

**Target Audience:** Scientists and clinicians involved in solid organ transplantation.

**Objective:**  
Realize the immuno-diagnostic testing available for highly sensitized patients

**Chairs:** Paul C. Grimm, Stanford University Medical Center, Stanford, CA, and Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

Solid organ transplantation has improved the life of many patients. However, understanding the highly sensitized patient and the tools required for diagnosing these states is complex. The potential for ABO incompatible transplants and finding tolerance will be explored in this session

12:15 **Immuno-Diagnostics: Understanding the Cross-Match and Antigens**  
Paul C. Grimm, Stanford University Medical Center, Stanford, CA

12:40 **The Highly Sensitized Patient: Option to Move Them Closer to Successful Transplantation**  
Diana Zepeda-Orozco, University of Iowa, Iowa City, IA

1:05 **ABO Incompatibility and Renal Transplantation**  
Robert B. Ettenger, UCLA Medical Ctr., Los Angeles, CA

1:30 **Finding Tolerance: Advances in Pediatric Renal Transplantation**  
Jens Goebel, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

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**Supported by unrestricted educational grant from Novartis Pharmaceutical Corporation**

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**Session 12:30pm-2:30pm**

### 4725 Neonatal Sepsis: A Global Challenge

**PAS Topic Symposium**  
Vancouver Convention Centre - West Balroom C

**Target Audience:** This symposium will appeal to a vast audience of clinicians, basic scientists and public health decision-makers, including neonatologists, immunologists, pediatricians and neurologists who are directly or indirectly involved in the care of neonates.

**Objectives:**  
- To understand the global health impact of sepsis in neonates  
- To learn about the latest research on the developing immune system and how it affects neonates’ vulnerability to infection  
- To review current and future therapeutic approaches in prevention of neonatal sepsis

**Chairs:** Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia, and Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

Neonatal sepsis represents a global health challenge. In preterm neonates, morbidities due to infections are on the rise despite advances in medical care, due to the increased survival of more vulnerable infants. This session will provide an overview of neonatal sepsis as a major, global challenge (Dr. Strunk), a review of the development of immunity before (Dr. Lavoie) and beyond (Dr. Kollmann) the term of gestation, of the health impact of sepsis in extremely preterm infants (Dr. Stoll), as well as existing and emerging therapeutic interventions (Dr. Levy).
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<th>Day</th>
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| **FRIDAY, MAY 2** |            | 4:00pm-6:00pm
|               |            | **ASPR Council Meeting**                                               |
| **SATURDAY, MAY 3** |            | 8:00am-10:00am
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Humanized Mouse Models for Studying Disease                           |
|               |            | 8:30am-11:30am
|               |            | **Workshops**                                                          |
|               |            | 10:30am-12:30pm
|               |            | **ASPR Presidential Plenary Awards and Business Meeting**              |
|               |            | 1:15pm-2:30pm
|               |            | **Poster Session I & PAS Opening Reception**                           |
|               |            | 2:45pm-4:45pm
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Ethics in the Conduct of Clinical/Basic Research                     |
|               |            | 5:00pm-6:30pm
|               |            | **PAS/ASPR Opening General Session**                                   |
|               |            | • Keynote Address                                                      |
|               |            | • Joseph St. Geme Leadership Award                                     |
|               |            | 7:00am-8:00am
|               |            | **Meet the Professor Breakfast Session**                               |
|               |            | 8:00am-10:00am
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Sudden Cardiac Death in Children                                     |
|               |            | 8:00am-11:00am
|               |            | **Workshops**                                                          |
|               |            | 10:15am-11:45am
|               |            | **APS Presidential Plenary and Awards**                                |
|               |            | 10:30am-12:30pm
|               |            | **Invited Science**                                                    |
|               |            | • Recent Progress in Biliary Atresia in the World                      |
|               |            | 12:00pm-3:00pm
|               |            | **Workshops**                                                          |
|               |            | 1:00pm-3:00pm
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • New Neuroprotective Strategy for Neonatal Hypoxic-Ischemic-Encephalopathy |
|               |            | • Pediatric Bone Disease - Beyond the Bare Bones                       |
|               |            | 3:30pm-5:30pm
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Immune Dysregulation: New Paradigm in Genetic Immune Disorders       |
|               |            | 5:45pm-7:30pm
|               |            | **Poster Session II**                                                  |
| **SUNDAY, MAY 4** |            | 8:00am-10:00am
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Kawasaki Disease: New Paradigms                                      |
|               |            | • Newly Discovered Disorders of the HPT Axis and Thyroid Hormone Action|
|               |            | 8:30am-11:30am
|               |            | **Workshops**                                                          |
|               |            | 10:15am-12:15pm
|               |            | **SPR Presidential Plenary and Awards**                                |
|               |            | 10:30am-12:30pm
|               |            | **Invited Science**                                                    |
|               |            | • Oxidative Stress in Pediatric Disorders - Current Concept for Clinical Practice |
|               |            | • Beyond transition plans for youth with chronic health conditions: International perspectives, program development, shared care with adult providers, youth engagement. |
|               |            | 1:00pm-3:00pm
|               |            | **March of Dimes Prize in Developmental Biology Lectures**             |
| **MONDAY, MAY 5** |            | 3:30pm-5:30pm
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Malnutrition in Asia                                                 |
|               |            | 3:30pm-5:30pm
|               |            | **Invited Science**                                                    |
|               |            | **Original Science Abstracts**                                         |
|               |            | 3:30pm-5:30pm
|               |            | **Workshops**                                                          |
|               |            | 5:45pm-7:30pm
|               |            | **Poster Session II**                                                  |
| **TUESDAY, MAY 6** |            | 7:30am-9:30am
|               |            | **Poster Session IV**                                                  |
|               |            | 8:00am-10:00am
|               |            | **Invited Science**                                                    |
|               |            | • Nephrotic Syndrome Up to Date                                         |
|               |            | 8:30am-11:30am
|               |            | **Workshops**                                                          |
|               |            | 12:30pm-2:30pm
|               |            | **Original Science Abstracts Invited Science**                         |
|               |            | • Neonatal Sepsis: A Global Challenge                                  |
|               |            | • Emerging and Re-Emerging Infectious Diseases in Asia and Beyond      |
Join us in Vancouver, where the Asian Society for Pediatric Research (ASPR) and the Pediatric Academic Societies (PAS) will, for the third time, host tightly aligned annual meetings. ASPR symposia, joint symposia, original science, award and business activities will all be held at the Vancouver Convention Centre.

Registration Information
There will be a single registration fee for the ASPR/PAS meeting set at the PAS registration fee schedule. This registration fee allows the participant to attend all ASPR and PAS functions.

Continuing Education
Continuing Education is through the PAS. See page 385 for complete information.

Friday, May 2
4:00pm-6:00pm
0540A  ASPR Council Meeting
Vancouver Convention Centre - West 223-224

Saturday, May 3
8:00am-10:00am
1115  Humanized Mouse Models for Studying Disease
PAS State of the Art Plenary
Vancouver Convention Centre - West 212-213

Target Audience: Basic and translational investigators leveraging mouse models to better understand human disease states and representing diverse clinical interests including pulmonary, endocrine and infectious-related subspecialty areas.

Objectives:
- Describe the approach by which humanized cells are introduced onto the mouse model in order to study human cellular responses
- Describe the advantages and disadvantages of the use of this research approach
- Describe how findings from humanized mouse models provide novel insight to mechanistic causes of various diseases

Chairs: Jake A. Kushner, Baylor College of Medicine, Houston, TX and Thomas P. Stanley, University of Michigan, Ann Arbor, MI

Scientific approaches utilizing a humanized mouse model have great benefit to investigate a number of disease states in vivo. Using innovative technology, a functioning human immune system can be introduced into humanized mice in order to study a variety of disease states impacted by altered immune responses. The session is designed to provide attendees with an overview of this technology and the ways in which it has been applied to study important, pediatric-relevant diseases.

8:00  Technical Approaches, Strengths and Limitations in Utilizing Humanized Mouse Model for Studying Disease
Bruce Verchere, The University of British Columbia, Vancouver, BC, Canada

8:30  Humanized Mouse Model for Studying Infection and Immunity
Yu Lung Lau, The University of Hong Kong, Hong Kong, Hong Kong

9:00  Humanized Mouse Model for Studying Type I Diabetes
Kevan Herold, Yale University, New Haven, CT

9:30  The Humanized Mouse Model for Studying Allergic Lung Disease
Cory Hogaboam, Cedars Sinai Medical Center, Los Angeles, CA

Jointly sponsored by the Asian Society for Pediatric Research, Society for Pediatric Research and the Pediatric Academic Societies

9:45am-11:30am
1300A  APR Presidential Plenary
Awards and Business Meeting
Vancouver Convention Centre - West 223-224

Chair: Keiichi Ozono, Osaka University, Graduate School of Medicine, Suita, Osaka, Japan

9:45  Opening Address
Takashi Igarashi, National Center for Child Health and Development, Tokyo, Japan

9:55  ASPR Research and Travel Awards Ceremony
10:10  Introduction of the next ASPR Meeting
Toshio Heike, Kyoto University, Kyoto, Japan

10:20  Genetics of Disorders of Sex Development
Tsutomu Ogata, Hamamatsu University School of Medicine, Hamamatsu, Chubu, Japan

11:20  ASPR Presidential Address
Yu Lung Lau, President, Asian Society for Pediatric Research
The University of Hong Kong, Hong Kong, China

1:00pm–4:00pm
Posters Available for Viewing
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 1:00pm–4:00pm
Author Attendance and Opening Reception: 1:15pm–2:30pm

1:15pm–2:30pm
Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C

Course #  Topic  Board #
1520  International Potpourri  247-303

Refer to PAS Daily Programming for complete details.

2:45pm-4:45pm
1615  Ethics in the Conduct of Clinical/Basic Research
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom A

Target Audience: Academic researchers at all stages of career and practice and across all disciplines within pediatrics.

Objectives:
- To understand the ethical issues regarding conduct research in pediatric patients, including neonates
- To understand comparative effectiveness research and waiver of consent for “emergency” research
- Articulate how social media impacts practice change and confidentiality concerning conduct of research

Chair: Seetha Shankaran, Children’s Hospital of Michigan, Detroit, MI
This session will examine the impact of social media on practice changes in the conduct of research. The public/parental perceptions on the conduct of clinical research in pediatric patients will be discussed. The pros, cons, and risks of conducting research in today’s environment will be presented. How to maintain confidentiality in the environment of social media and technology advances will be explored. The experience from trials will be reviewed and the recent public discussions regarding a multicenter neonatal study (SUPPORT) will be analyzed. The ethical aspects of conduct of research, both for new therapies compared to standard of care as well as comparative effectiveness research and waiver of consent for emergency/imminent research needs will be explored. The regulatory oversight of research, both at the governmental and local institutional level, will be presented along with the need for changes. A vigorous interactive audience participation is anticipated.

2:50 Background for This Session: The SUPPORT Study
Carl T. D’Angio, University of Rochester, Rochester, NY

3:00 How Social Media and Public Discussion Impacts Conduct of Clinical Trials
Robin H. Steinhorn, UC Davis Children's Hospital, Sacramento, CA

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy
John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

3:50 Comparative Effectiveness Research, New Therapies and Waiver of Consent
Jonathan M. Fanaroff, Rainbow Babies & Children’s Hospital, Cleveland, OH

4:35 Discussion

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

5:00pm-6:30pm

1775 PAS/ASPR Opening General Session
Vancouver Convention Centre – West Ballroom A

Chair: D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:00 PAS Welcome
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:05 ASPR Welcome
Keiichi Ozono, President of the 10th Congress of the Asian Society for Pediatric Research

5:10 Introduction of Joseph W. St. Geme, Jr. Leadership Award
Alan L. Schwartz, President, American Pediatric Society; Harriet B. Spoeher Professor and Chair, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO

Introduction: Joseph W. St. Geme, Jr. Leadership Awardee
Marshall L. Land, Jr., R. James McKay, Jr., MD, Green & Gold Professor of Pediatrics, University of Vermont College of Medicine and Vermont Children’s Hospital, Burlington, VT

Joseph W. St. Geme, Jr. Leadership Award
Lewis R. First, Professor and Chair, Department of Pediatrics, University of Vermont College of Medicine, Chief of Pediatrics, Vermont Children’s Hospital at Fletcher Allen Health Care, Burlington, VT

5:40 Introduction: Keynote Address
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:45 Keynote Address: From Discovery to Delivery: Innovations and Impact in Global Health
Chris Elias, President, Global Development Program, Bill & Melinda Gates Foundation, Seattle, WA

6:45pm-8:00pm

1800 PAS/ASPR Presidential and New Member Reception
Vancouver Convention Centre – West Ballroom D

Sunday, May 4

8:00am-10:00am

2125A Sudden Cardiac Death in Children
ASPR Topic Symposium

Target Audience: Pediatric cardiologists, general pediatricians and pharmacologists.

Objectives:
- To summarize recent advances in understanding inherited arrhythmias
- To describe the non-pharmacological therapeutic strategy for childhood patients with tachyarrhythmia
- To discuss prognosis of children with risks for sudden cardiac death

Chairs: Naokata Sumitomo, Saitama Medical University International Medical Center, Saitama, Japan, and Mei-Hwan Wu, National Taiwan University Hospital, Taipei, Taiwan

Sudden cardiac death in children is rare, but an important public health issue that should be recognized and properly managed. Significant advances in genetic testing have improved to recognize patients with risks for sudden cardiac death, such as long QT syndrome, Brugada syndrome and catecholaminergic polymorphic ventricular tachycardia. In addition, pharmacological and non-pharmacological therapies have been developed to prevent fatal arrhythmic events in recent years. In this session, we focus on how to manage patients with inherited arrhythmias and arrhythmias in association with congenital heart disease to prevent sudden cardiac death in children.

8:00 Catheter Ablation to Prevent Sudden Cardiac Death in Children
Mei-Hwan Wu, National Taiwan University Hospital, Taipei, Taiwan

8:25 Prognosis of Ventricular Tachycardia in Children
Eun-Jung Bae, Seoul International University Hospital, Seoul, Korea

8:50 Long QT Syndrome in Fetal, Neonatal, and Infantile Periods
Hitoshi Horigome, University of Tsukuba, Tsukuba, Japan

9:15 Risk of Sudden Death with Genetic Arrhythmia in Children
Jeffrey A. Towbin, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

9:40 Trans-Placental Treatment of Fetal Tachyarrhythmia
Yasuki Maeno, Kurume University School of Medicine, Kurume, Fukuoka, Japan

2300 APS Presidential Plenary and Awards
Vancouver Convention Centre - West Ballroom B

10:30am-12:30pm

2327A Recent Progress in Biliary Atresia in the World
ASPR Hot Topic
Vancouver Convention Centre - West 109

Target Audience: Hepatologist, gastroenterologist and neonatologist in Asia and USA.

Objectives:
- Summarize the recent findings of BA
- Summarize the new and expanded vision of screening and treatment of BA
- Discuss the future management of BA

Chairs: Vicky Ng, Hospital for Sick Children, Toronto, ON, Canada and Kazuhiro Bessho, Graduate School of Medicine, Osaka University, Suita, Osaka, Japan

Biliary atresia (BA) is a neonatal obstructive cholangiopathy that progresses to end-stage liver diseases. Although the etiology is unknown, recent studies suggested a neonatal adaptive immune signature has been mechanistically
linked to obstruction of the extrahepatic bile ducts. In this symposium, we should discuss the multi-center studies of BA in USA, early screening for BA in Taiwan, liver-transplantation with BA in Japan, and also recent progresses of immunological studies with BA. And hopefully, we will discuss how we reflect these findings in the future management of BA.

10:30 How Multi-Center Collaboration Facilitates Studies of Biliary Atresia: Steroids and Beyond
Ronald J. Sokol, University of Colorado School of Medicine, Aurora, CO

10:55 Screening for Biliary Atresia for the Earlier Treatment
Mei-Hwei Chang, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

11:20 When to Transplant Patients with Biliary Atresia
Muroo Kasahara, National Center for Child Health and Development, Tokyo, Japan

11:45 Biliary Atresia: From Bench to Bedside
Pranavkumar Shivakumar, Cincinnati Children’s Hospital, Cincinnati, OH

Jointly sponsored by the Asian Society for Pediatric Research, North American Society for Pediatric Gastroenterology, Hepatology & Nutrition and the Pediatric Academic Societies

1:00-3:00pm

2680A Pediatric Bone Disease – Beyond the Bare Bones
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom C

Target Audience: Clinical and academic general pediatricians and pediatric endocrinologists, adolescent medicine specialists, geneticists, nephrologists, pulmonologists, rheumatologists, rehabilitation medicine specialists, and oncologists.

Objectives:
- Discuss appropriate assessment of bone disease and treatment options in childhood osteoporosis and in childhood overgrowth syndromes
- Recall the effects of chronic disease and glucocorticoids on pediatric bone health
- Explain the role of bisphosphonate and enzyme replacement therapy in the treatment of pediatric bone disease

Chairs: Laura K. Bachrach, Stanford University School of Medicine, Stanford, CA, and Seth D. Marks, University of Manitoba and Winnipeg Children’s Hospital, Winnipeg, MB, Canada

Pedicut bone health is an evolving area of pediatric care with patients presenting regularly to general and subspecialty pediatricians’ offices. Children’s bone health can be affected by inherited bone disorders, chronic disease, and medications such as glucocorticoids. The diagnosis, treatment, and outcome of children with bone disease is a controversial and continually evolving field. This symposium will address updates in our understanding of selected genetic syndromes with bone involvement, effects of chronic disease and glucocorticoids on bone, bisphosphonate therapy in children, and the promise of bone targeted enzyme replacement therapy.

1:00 Bone Mass Effects and Fracture Risk in Children Receiving Glucocorticoid Therapy – STOPP-CIS (Steroid-Induced Osteoporosis in the Pediatric Population – Canadian Incidence Study)
Leanne Marie Ward, Department of Pediatrics, Ottawa, ON, Canada

1:30 Bisphosphonate Therapy in Children – In Osteogenesis Imperfecta and Beyond?
Frank Rauch, McGill University, Montreal, QC, Canada

2:00 Hypophosphatasia – Enzyme Replacement Therapy Changing the Outcome of a Life Threatening Pediatric Bone Disease
Cheryl R. Greenberg, Children’s Hospital, Winnipeg, MB, Canada

2:30 Overgrowth Syndromes with Skeletal Involvements
Keiichi Ozono, Osaka University, Graduate School of Medicine, Suita, Osaka, Japan

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

3:30pm-5:30pm

2800A Immune Dysregulation: New Paradigm in Genetic Immune Disorders
ASPR Topic Symposium
Vancouver Convention Centre - West 119-120

Target Audience: Pediatric allergy/immunologists and general pediatricians.

Objectives:
- To overview the recent discovery of primary immunodeficiency diseases causing autoimmunity and auto-inflammation
- To understand their clinical pictures and pathophysiological mechanism to differentiate from autoimmune and/or rheumatic diseases
- To understand the diagnostic procedures and the treatments

Chairs: Harold Hoffman, University of California, San Diego, La Jolla, CA, and Toshio Heike, Kyoto University, Kyoto, Japan

Primary immunodeficiency diseases (PIDs) are caused by congenital defects in immune system and their signature phenotype is susceptibility to frequent and severe infections. Recent progress in the field of immunology and genetic analysis
Kawasaki Disease is an acute vasculitis with predilection for the coronary arteries. Despite treatment with intravenous gamma globulin, KD can leave coronary aneurysms and stenoses and has emerged as the most common acquired heart disease in children. These abnormalities can cause lifelong disability and death. The epidemiology for this syndrome is ever changing, and may provide clues to determining the cause. Recent population based studies in KD have been augmented in recent years by genetics, histopathological investigations, and even atmospheric evaluations. These investigations will lead to new diagnostic and treatment modalities. The faculty for this symposium will outline these investigations which have created new paradigms for our understanding, diagnosis, and treatment of this disease.

3:30  
CAPS (Cryopyrin-Associated Periodic Syndrome) and Periodic Fever Syndromes 
Harold Hoffman, University of California, San Diego, CA

4:00  
IPEX (Immune Dysregulation, Polyendocrinopathy, Enteropathy, X-Linked) and Autoimmune Complications 
Troy R. Torgerson, Seattle Children’s Hospital Research Institute, Seattle, WA

4:30  
XLP (X-Linked Lymphoproliferative Syndrome) and EB-Virus Infection 
Hirokazu Kanegane, Toyama University, Toyama, Japan

5:00  
FHL (Familial Hemophagocytic Lymphohistiocytosis) and Lymphocyte Homeostasis 
Takahiro Yasumi, Kyoto University Graduate School of Medicine, Kyoto, Japan

4:15pm–7:30pm

Posters Available for Viewing

Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

5:45pm–7:30pm

Poster Session II

Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

Course #  Topic  Board #
2917  Internation Potpourri  196-252

Refer to PAS Daily Programming for complete details.

Monday, May 5

8:00am-10:00am

3120  Kawasaki Disease: New Paradigms

PAS Topic Symposium  
Vancouver Convention Centre - West 118

Target Audience: General pediatricians, infectious disease, immunology, and cardiology specialists.

Objectives:
- To gain new knowledge of the pathogenesis of Kawasaki disease
- To appreciate the recent progress in host genetic factors of Kawasaki disease
- To understand new data regarding external factors influencing Kawasaki Disease

Chairs: Michael A. Portman, Seattle Children’s Research Institute, Seattle, WA, and Toshiro Hara, Graduate School of Medical Sciences, Kyushu University, Fukuoka City, Japan

Kawasaki Disease is an acute vasculitis with predilection for the coronary arteries. Despite treatment with intravenous gamma globulin, KD can leave coronary aneurysms and stenoses and has emerged as the most common acquired heart disease in children. These abnormalities can cause lifelong disability and death. The epidemiology for this syndrome is ever changing, and may provide clues to determining the cause. Recent population based studies in KD have been augmented in recent years by genetics, histopathological investigations, and even atmospheric evaluations. These investigations will lead to new diagnostic and treatment modalities. The faculty for this symposium will outline these investigations which have created new paradigms for our understanding, diagnosis, and treatment of this disease.
- Discuss the problems of malnutrition in Asia
- Understand the problems of malnutrition in Asia

Objectives:
- To describe and summarize knowledge of the effects of oxidative stress on health and development in childhood
- To review the data and discuss issues regarding the significance of melatonin as an antioxidant
- Be familiar with useful biomarkers to assess the oxidative stress in children

Oxidative stress (OS) is a disturbance in the balance of reactive oxygen species (ROS) and antioxidants that leads to damage of lipids, proteins, and nucleic acids. All types of biomolecules can be damaged by ROS, and OS have now been shown to be associated with diverse human diseases or pathological conditions including pediatric disorders. Therefore, the whole sphere of OS in children is becoming an increasingly important clinical knowledge for child healthcare professional including pediatricians.

**3300** SPR Presidential Plenary and Awards
West Ballroom C

**3355A** Oxidative Stress in Pediatric Disorders – Current Concept for Clinical Practice
ASPR Topic Symposium
Vancouver Convention Centre – West 118

Target Audience: Pediatricians, general pediatricians, pediatric endocrinologists, developmental physicians, neonatologists and child healthcare providers.

Objectives:
- To describe and summarize knowledge of the effects of oxidative stress on health and development in childhood
- To review the data and discuss issues regarding the significance of melatonin as an antioxidant
- Be familiar with useful biomarkers to assess the oxidative stress in children

Chairs: Akihiro Yachie, School of Medicine, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Kanazawa, Ishikawa, Japan, and Kazunari Kaneko, Kanazawa Medical University, Moriguchi, Osaka, Japan

Oxidative stress (OS) is a disturbance in the balance of reactive oxygen species (ROS) and antioxidants that leads to damage of lipids, proteins, and nucleic acids. All types of biomolecules can be damaged by ROS, and OS have now been shown to be associated with diverse human diseases or pathological conditions including pediatric disorders. Therefore, the whole sphere of OS in children is becoming an increasingly important clinical knowledge for child healthcare professional including pediatricians.

**10:30** Oxidative Stress and Pediatric Diseases
Kazunari Kaneko, Kanazawa Medical University, Moriguchi, Osaka, Japan

**10:35** Rapid Diagnostic Tests for Oxidative Stress Status
Shoji Tsuji, Kanazawa Medical University, Hirakata-shi, Osaka, Japan

**10:55** Oxidative Stress in Childhood Allergic Disorders
Hiroyuki Mochizuki, Tokai University School of Medicine, Isehara, Kanagawa, Japan

**11:15** Oxidative Stress and Immunological Disorders in Children
Akihiro Yachie, School of Medicine, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Kanazawa, Ishikawa, Japan

**11:35** Oxidative Stress and Developmental Brain Disorders
Masaharu Hayashi, Tokyo Metropolitan Institute of Medical Science, Setagaya-ku, Tokyo, Japan

**11:55** Melatonin as an Antioxidant in Childhood
You-Lin Tain, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

**1:00pm-3:00pm**

**3500A** Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology
MOD Award Symposium
Vancouver Convention Centre – East Ballroom A

**3530** Malnutrition in Asia
PAS Topic Symposium
Vancouver Convention Centre – West 220

Target Audience: Scientists and clinicians involved with gastroenterology, nutrition, and health services from Asia and USA.

Objectives:
- Understand the problems of malnutrition in Asia
- Discuss the problems of malnutrition in Asia
- Discuss the future solutions for malnutrition in Asia

Chair: Frederick Jeffrey Kaskel, Children's Hospital at Montefiore, Bronx, NY, and Kazunari Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Although there has been some reduction in rates of childhood malnutrition, Asia still grapples with very high rates of malnutrition. The absolute numbers of children with malnutrition are much higher in Asia than in all other continents combined. Stunting or chronic malnutrition, wasting or acute malnutrition as well as underweight are common manifestations of malnutrition. Fetal growth restriction is an important cause of malnutrition in subsequent years. Deficiencies of micronutrients are pervasive in Asia and account for a substantial loss in mental and physical productivity as well as gross domestic product. In 2012, the Federation of the Societies of Pediatric Gastroenterology, Hepatology and Nutrition published a report about malnutrition in the world. The malnutrition problems of Asia particularly low birth weight, severe acute malnutrition, stunting, micronutrient deficiencies and overweight and obesity should be discussed in the light of the report for specialists in the ASPR and PAS joint symposium.

1:00 Low Birth Weight: A Major Risk Factor for Child Malnutrition in Asia
George J. Fuchs III, Unlv AR for Med Sci and Arkansas Children's Hospital, Little Rock, AR

1:25 Severe Acute Malnutrition in Asia
Tahmeed Ahmed, Centre for Nutrition and Food Security, Dhaka, Bangladesh

1:50 Overweight and Obesity in Asia
Yoshikazu Ohtsuka, Juntendo University School of Medicine, Tokyo, Japan

2:15 The Burden of Maternal and Child Undernutrition in Asia: Challenges and Opportunities
Zulfiqar A. Bhutta, Aga Khan Universuty, Karachi, Pakistan

2:40 Discussion
Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

4:15pm–7:30pm

**Posters Session III**
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

Refer to PAS Daily Programming for complete details.

**Tuesday, May 6**

7:00am - 11:00am

**Poster Session IV**
Vancouver Convention Centre, Hall B/C

Author Attendance: 7:30am–9:30am
Refer to PAS Daily Programming for complete details

4:45am-11:45am

**4470** Nephrotic Syndrome Up to Date
PAS Topic Symposium
Vancouver Convention Centre – West 212-213

Target Audience: Pediatricians, general pediatricians and pediatric nephrologists.

Objectives:
- To describe and summarize new knowledge on the molecular mechanisms of the development of nephrotic syndrome in children
- To review the data and discuss issues regarding treatments of childhood nephrotic syndrome
- To discuss issues regarding possible future treatments of nephrotic syndrome

Chairs: Frederick Jeffrey Kaskel, Children’s Hospital at Montefiore, Bronx, NY, and Kazunori Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan
Idiopathic nephrotic syndrome is the most common chronic glomerular disease in pediatric nephrology practice. Many patients respond well to steroid therapy, but some have steroid-resistant nephrotic syndrome (SRNS), which results in a higher rate of chronic renal failure. Standard treatments are steroid and immunosuppressive agents and achieve remission in most affected children. However, some still show refractory clinical courses. Recently, circulating soluble urokinase receptor was identified as a cause of focal segmental glomerulosclerosis, most common pathologic type of SRNS. Also, it was reported that minimal change nephrotic syndrome may be a CD80 podocytopathy. Rituximab, an anti-CD20 monoclonal antibody, might be effective for some types of refractory nephrotic syndrome in children. And, other well-designed clinical trials are planned for childhood refractory nephrotic syndrome. Therefore, now is the time to review and discuss on molecular mechanisms, treatment strategies and future therapies in childhood nephrotic syndrome.

9:45  The Molecular Mechanisms of the Development of Nephrotic Syndrome in Children
Michelle Nicole Rheault, University of Minnesota, Minneapolis, MN

10:15  Future Therapies for Nephrotic Syndrome
Keisha L. Gibson, University of NC at Chapel Hill, Chapel Hill, NC

10:45  Treatment of Nephrotic Syndrome with Anti-CD20 Monoclonal Antibody
Shuichi Ito, National Center for Child Health and Development, Tokyo, Japan

11:15  Treatments of Childhood Nephrotic Syndrome, Especially, Refractory Nephrotic Syndrome, on the Basis of the Well-Designed Clinical Trial
Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Jointly sponsored by the American Society of Pediatric Nephrology, Asian Society for Pediatric Research and the Pediatric Academic Societies

12:30pm-2:30pm

4725  Neonatal Sepsis: A Global Challenge
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom C

Target Audience: This symposium will appeal to a vast audience of clinicians, basic scientists and public health decision-makers, including neonatologists, immunologists, pediatricians and neurologists) who are directly or indirectly involved in the care of neonates.

Objectives:
- To understand the global health impact of sepsis in neonates
- To learn about the latest research on the developing immune system and how it affects neonates’ vulnerability to infection
- To review current and future therapeutic approaches in prevention of neonatal sepsis

Chairs: Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia, and Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

Neonatal sepsis represents a global health challenge. In preterm neonates, morbidities due to infections are on the rise despite advances in medical care, due to the increased survival of more vulnerable infants. This session will provide an overview of neonatal sepsis as a major, global challenge (Dr. Strunk), a review of the development of immunity before (Dr. Lavioe) and beyond (Dr. Kollmann) the term of gestation, of the health impact of sepsis in extremely preterm infants (Dr. Stoll), as well as existing and emerging therapeutic interventions (Dr. Levy).

12:30  Neonatal Sepsis and Prematurity, Global Challenges
Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia

12:40  Immunological Factors Predisposing Preterm Infants to Infection
Pascal M. Lavioe, University of British Columbia, Vancouver, BC, Canada

1:05  Developmental Immunity: The Pivotal First Years of Life
Tobias Kollmann, University of British Columbia, University of British Columbia, Vancouver, BC, Canada

1:30  Current and Emerging Approaches to Prevent and Treat Newborn Infection
Ofer Levy, Boston Children’s Hospital, Boston, MA

1:55  Improving Health Outcomes of Neonatal Infection: Challenges and Opportunities
Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

2:20  Discussion

Jointly sponsored by the Academic Pediatric Association, American Academy of Pediatrics, American Pediatric Society, American Society of Pediatric Nephrology, Asian Society for Pediatric Research, Pediatric Infectious Diseases Society and the Pediatric Academic Societies

Visit the Asian Society for Pediatric Research at www.aspr.jp

For more ASPR information, contact:
Kumi Asanuma
Japan Pediatric Society
4F Daiichi Magami Bldg
1-1-5 Koraku, Bunkyo-ku
Tokyo 112-0004, Japan
Phone: 81-3-3818-0091
Fax: 81-3-3816-6036
E-mail: kumi-asa@umin.ac.jp
URL: www.aspr.jp
Join us in Vancouver, where the APPD will present a one-day intensive session geared toward pediatric subspecialty directors.

The Association of Pediatric Program Directors serves Pediatric Programs and their leadership by advancing the art and science of pediatric education for the purpose of ensuring the health and well-being of children.

**Registration Information**
APPD attendees are required to pay a registration fee set by the APPD to attend the APPD program. Registrations received by April 25th are eligible for the early registration fee of $130. Onsite registration will be available and the fee will be $155. Contact the APPD for further information.

**Contact Information**
For APPD registration and program information:
Association of Pediatric Program Directors
6728 Old McLean Village Drive ~ McLean, VA 22101
Phone: 703-556-9222 ~ Email: info@appd.org
URL: www.appd.org

Contact for housing and PAS registration information:
PAS Program Office
3400 Research Forest Dr., Ste. B-7 ~ The Woodlands, TX 77381
Phone: 281-419-0052 ~ Email: info@pas-meeting.org
URL: www.pas-meeting.org

**APPD Educational Objectives**
- Comprehend new information and develop skills in the leadership and administration of pediatric subspecialty graduate medical education programs.
- Learn about new curricula and best practices in implementing the ACGME competencies in pediatric subspecialty graduate medical education programs.

**Program Planning Committee**
Bruce Herman, MD, Fellowship Director, Pediatric Emergency Medicine, Child Abuse Pediatrics, Primary Children’s Hospital, University of Utah School of Medicine, Salt Lake City, UT
Michael Brook, MD, Cardiology Fellowship Director, University of California, San Francisco, San Francisco, CA
Geoffrey Fleming, MD, Fellowship Program Director, Vanderbilt University School of Medicine, Nashville, TN
Christopher Kennedy, MD, Director, Emergency Medicine Fellowship, University of Missouri at Kansas City, Children’s Mercy Hospital, Kansas City, MO
Kathleen McGann, MD, Vice Chair of Education, Duke University Medical Center, Durham, NC
Angela Myers, MD, MPH, Associate Professor, Program Director PID, Children’s Mercy Hospital, Kansas City, MO

Pnina Weiss, MD, Director of Subspecialty Resident Education, Yale University School of Medicine, New Haven, CT

**Program Schedule**
8:00 - 8:15am Welcome / Continental Breakfast
8:15 - 9:45am Workshop 1: Program Evaluation- From Needs Assessment to Useful Results

Christopher Kennedy, MD, Director, Center for Excellence in Pediatric Resuscitation, Children’s Mercy Hospital, Kansas City, MO

All pediatric subspecialty training programs are expected to know how to conduct a program evaluation. Evaluations are conducted to answer questions concerning program adoption, continuation, or improvement. Part of this process is the need to identify and develop high quality, well-formed question as a critical need in effective evaluation design. The process should include discussions about the intent of the evaluation and reflect on decisions about who should be involved in the development to help inform the process. These discussions should also include defining the stakeholders. In addition plans should include whether the evaluation is summative or formative. Cronbach described a two-phase approach. In the first phase or divergent phase, the evaluator involves stakeholders in “casting a broad net” for questions to consider in a brainstorming session. This method allows buy-in from stakeholders with many points of view and to be comprehensive should include the needs of clients. This is particularly important for high stakes decision-making. As program directors we must understand both the historical as well as the current thinking and science related to program evaluation. Evaluators have obligations that may go beyond the simple program but consider the implications of a program on society and the public good. As subspecialty program administrators each of us will be faced with the same decisions that impact our educational programs.

Also as future leaders in pediatric education we are already aware of tightening budgets. Economic challenges and the need for education in today’s world requires effective and efficient evaluative strategies to figure out what works and what does not. This means that the highest quality standards must be employed.

More recently programs are under increased budgetary pressures limiting new programming. Policy makers, funders, and program managers are being forced to make tough choices regarding which training programs to continue funding and which to scrap. In order to make the best decisions requires information to make quality decisions. This level of decisions requires the ability to answer some crucial questions- how is evaluation defined?/what type of method should be used?/internal and external?/formal vs informal?

Formal evaluations that are well thought out and carefully designed to demonstrate effectiveness must be part of the development process of any program- in fact they should be considered almost from the very beginning. The most successful leaders in higher education will know how they demonstrate improvement, and can decide among competing strategies to demonstrate the best outcomes.

To address all of these needs this workshop will train subspecialty program directors about program evaluation and include practicing the elements of a four-step model.
9:45-10:00am  Break

10:00-11:30am  Workshop 2: Milestones and Clinical Competency Committees: Making the Transition from Theory to Practice

Pnina Weiss, MD, Director of Subspecialty Resident Education, Yale University School of Medicine, New Haven, CT, Bruce Herman, MD, Fellowship Director, Pediatric Emergency Medicine, Child Abuse Pediatrics, Primary Children’s Hospital, University of Utah School of Medicine, Salt Lake City, UT

The milestones provide a developmental roadmap of the acquisition of skills, knowledge and attitudes in medical education. Fellowship Directors are facing the challenge of reporting on the Milestones and developing their Clinical Competency Committee. The workshop will review the subspecialty Milestones and provide practical tools for faculty development and fellow evaluation in order to better implement the Next (Now!) Accreditation System.

First, there will be a review of 1) the specific milestones that will be used for reporting in fellowship programs, 2) additional milestones that are helpful to track for challenging fellows, 3) the role of the clinical competency committee (CCC), and 4) the process of reporting milestones to the ACGME.

The workshop will then focus on
1) The role of faculty and fellow development. Methods to educate faculty, members of the CCC and fellows will be explored.
   • Participants will be broken down into small groups in order to discuss the challenges and potential solutions for faculty and fellow development in individual programs. Best practices will be shared with the group
2) Use of milestone evaluations in fellowship programs. Examples of milestone-based evaluations will be depicted and a potential rubric for using them in different rotations will be illustrated.
3) Using the results of milestone evaluations to give feedback to fellows. The role of the self-evaluation and semiannual meetings with the program director will be highlighted. The use of specific milestones to address challenging fellows will be discussed.
   • Participants will be broken into small groups in order to discuss how best to use the evaluations to enhance discussions with fellows to enhance formative feedback. Best practices will be shared with the group.

11:30-11:45am  Break

11:45-1:15pm  Lunch (courtesy of APPD)

Update from American Board of Pediatrics (ABP)
Dr. Gail McGuinness, Executive Vice President

Update from the ACGME
Dr. Mary Lieh-Lai, Senior Vice President, Medical Accreditation, ACGME

1:15-1:30pm  Break

1:30-3:00pm  Time Management: How to Get the Most Out of A Scarce Resource

Susan Bostwick, MD, Executive Vice Chair, Weill Cornell Medical College, New York, NY, Hilary Haftel, MD, MPH, Associate Chair for Education, Pediatric Residency Director, Department of Pediatrics, University of Michigan, Ann Arbor, MI, Su-Ting Li, MD, MPH, Vice Chair for Education, Department of Pediatrics, Residency Program Director, University of California Davis, Sacramento, CA, Franklin Trimm, MD, Director, Pediatric Residency Program, Director, Division of Developmental-Behavioral Pediatrics, University of South Alabama Children’s & Women’s Hospital, Mobile, AL

Members of the APPD LEAD Council will provide useful tools to organize and prioritize your time management and get the most out of your busy day.

3:00-3:15pm  Break

3:15-4:45pm  Future of Fellowship Funding: Challenges, Options, and Opportunities
Edward Clark, MD, Chairman, Department of Pediatrics, University of Utah, Salt Lake City, UT, Dena Hofkosh, MD, MEd, Pediatric Residency Program Director, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA, Kathleen McGann MD, Vice Chair of Education, Department of Pediatrics and Division of Infectious Diseases, Duke University Medical Center, Durham, NC

There will be a brief interactive primer on GME and CHGME as well as other sources of Fellowship funding, followed by an analysis of the future challenges through the eyes of a Department Chair. There will then be open dialogue with the participants to identify options and opportunities to thrive in an uncertain environment.

4:45-5:30pm  Open Discussion/Wrap-up, Role of APPD Fellowship Directors’ Executive Committee

5:30-6:00pm  Last call- wrap up and final thoughts
Child Health Translational Research Committee

Join us in Vancouver where the Child Health Translational Research Committee and the Pediatric Academic Societies (PAS) will host tightly aligned programs. Child Health Translational Research Committee/PAS joint symposia and original science will be held at the Vancouver Convention Centre and the Pan Pacific Vancouver.

Registration Information
There will be a single registration fee set at the PAS registration fee schedule.

Continuing Education
Continuing Education Credit is available through the PAS. See page 385 for complete information.

Friday, May 2
12:00pm–6:00pm
Child Health Translational Investigators
Pan Pacific Vancouver, Pacific Rim 2

This face-to-face meeting of the Child Health Translational Research Committee membership will review priorities and deliverables from this past year, strategically plan for next year and engage membership in moving ongoing initiatives forward.

Saturday, May 3
8:00am–10:00am
1150 Pediatric Clinical Translational Research
Platform™ Vancouver Convention Centre™ Room West 119-120

Chairs: Nancy Green and Mary Purucker
Refer to PAS Daily Programming for complete details.

1:00pm–4:00pm
Posters Available for Viewing
Vancouver Convention Centre, Hall B/C
Posters Available for Viewing: 1:00pm–4:00pm
Author Attendance and Opening Reception: 1:15pm–2:30pm

1:15pm–2:30pm
Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C
Refer to PAS Daily Programming for complete details.

Sunday, May 4
8:00am–10:00am
2100 Adults Born Preterm International Collaboration (APIC) – A Model to Understand Early Programming of Adult Health and Disease
PAS Topic Symposium
Vancouver Convention Centre - West 109

Target Audience: This symposium will appeal to clinicians and scientists of all disciplines, in particular those involved in longitudinal follow-up of children born preterm; those who are interested in Developmental Origins of Health and Disease (DOHAD); and those who are involved in pooling of data across studies.
Objectives:
- To highlight the methodological challenges associated with studying the fetal origins of disease and pooling of individual-participant data across studies
- Present the experience of the APIC sub-studies of blood pressure, cardio-metabolic and mental health as examples of pooling data set
- To attempt to uncover mechanisms that link early life events with health and disease by studying adults born preterm

Chair: Saroj Saigal, McMaster University, Hamilton, ON, Canada

Infants born very preterm are exposed to a variety of adverse conditions. However, the limited number of subjects in individual cohorts has not allowed the exploration of these risk or protective factors. Pooled dataset can allow investigators to illustrate the mechanisms that link early life events with subsequent health and disease. This session will highlight practical obstacles related to pooling of data across cohorts, and ways to overcome such obstacles. The multi-disciplinary APIC collaboration allows us to explore mechanisms that link conditions during fetal life or infancy with cardio-metabolic and mental health throughout life. To make a full contribution to the DOHAD hypothesis, these multi-centre studies must use optimum methodologies and examine the impact of all potential confounders. Studying the relationships in young adults born pre-term with severe perinatal adversity will contribute to our understanding of the life-course trajectories, and will ultimately assist in the development of primary prevention programs.

8:00 Strengths and Limitations in Studies on Adult Outcomes of Preterm Infants
Saroj Saigal, McMaster University, Hamilton, ON, Canada

8:10 Factors to Consider in Studying the Purported Fetal Origins of Disease
Nigel Paneth, Michigan State University, East Lansing, MI

8:35 Pooling of Individual Level Data across Cohort Studies – Practical Issues, Illustrated by APIC Blood Pressure Sub-Study
Petteri Hovi, THL, Helsinki, Finland

8:50 Cardio-Metabolic Health in Adults Born Preterm
Katherine M. Morrison, McMaster University, Hamilton, ON, Canada

9:05 Mental Health Outcomes in Adults Born Preterm
Kati Raikonen, Institute of Behavioural Sciences, Helsinki, Finland

9:20 Can We Uncover Mechanisms That Link Early Life Events with Health and Disease by Studying Adults Preterm?
Eero Kajantie, National Institute for Health and Welfare, Helsinki, Uusimaa, Finland

9:40 Discussion
Jointly sponsored by the Child Health Translational Research Committee and the Pediatric Academic Societies

10:15am-11:45am

2300 APS Presidential Plenary and Awards
Vancouver Convention Centre - West Ballroom B

1:00pm-3:00pm

2660 Longterm Safety of Drugs in Infants and Children
Vancouver Convention Centre – PAS Topic Symposium
West 119-120

Target Audience: Clinical researchers, clinicians, trainees, and others involved in pediatric clinical trials and product development.

Objectives:
- Review the current gaps in knowledge regarding longterm safety of drugs in children
- Review current opportunities to address the gaps in our knowledge about longterm safety of drugs in pediatric populations
- Explore critical areas of safety assessment in children as priorities for additional research

Chair: Debbie S. Gipson, University of Michigan, Ann Arbor, MI, and Michael G. Spigarelli, University of Utah, Salt Lake City, UT

Many drugs used in children have not been approved for pediatric use and when studies are done they typically look at short-term effects. A recent review by the Institute of Medicine recognized a significant gap in our understanding of the longterm effects of drugs used in children, particularly newborns. This symposium will review the current gaps in our knowledge of drug safety in children, review new opportunities in drug safety evaluation, explore ways of improving tracking for assessment of late outcomes, and describe educational and other needs in this area.

1:00 How Much Do We Know about the Longterm Safety of Drugs in Children?
Steven E. Lipshultz, University of Miami School of Medicine, Miami, FL

1:20 Current Regulatory Systems for Tracking Longterm Safety of Drugs in Children
Mary Dianne Murphy, Food and Drug Administration, Silver Spring, MD

1:40 New Approaches to Development of Longitudinal Safety Data in Children
Anne Zajicek, NIH/NICHD, Bethesda, MD

2:00 Harmonizing Our Language to Enable Longterm Follow-Up
S. Hirschfeld, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD

2:20 Issues in Drug Safety and Longterm Follow-Up for Newborns
Jonathan Michael Davis, The Floating Hospital for Children at Tufts Medical Center, Boston, MA

2:40 Enabling the Collection of Longterm Data in Children for the Future
Debbie S. Gipson, University of Michigan, Ann Arbor, MI

3:30pm-5:30pm

2820 The Systems Biology of Complex and Rare Pediatric Diseases
PAS State of the Art Plenary
Vancouver Convention Centre - West 118

Target Audience: Pediatric and developmental translational researchers involved with understanding complex and rare diseases. Appeal will also be for the larger community of academic pediatric scientists who need new approaches for hypothesis generation and therapy discovery.

Objectives:
- List the disciplines often necessary to compose an effective systems biology research team
- Summarize how the systems biology approach has been effective in facilitating the generation of novel hypotheses focused on pediatric diseases
- Outline approaches to embed systems biology themes in pediatric translational research

Chairs: Dan M. Cooper, University of CA, Irvine, Orange, CA, and T. Mariani, University of Rochester Medical Center (URMC), Rochester, NY

The purpose of the Plenary Session is to introduce to pediatric and developmental scientists recent advances in the burgeoning field of systems biology that can be useful in discovery of disease mechanisms and therapies. Systems biology is an emerging translational research paradigm. It brings together engineers, mathematicians, computer scientists, and traditional biologists to forge a new field in which life is viewed from the perspectives of complex systems, networks, devices and design principles. Rare diseases of early development and childhood remain among the most troubling and difficult therapeutic challenges. In contrast to clinical trials in more common conditions which can often guide subsequent mechanistic discovery, we are typically unable to amass a rich data set on phenotypic impact in rare diseases. Despite half a century of remarkable progress in detailing thousands of genes, proteins, and their interactions, a complete and deep understanding of biological functions still eludes us.

3:30 Introduction
T. Mariani, University of Rochester Medical Center (URMC), Rochester, NY

3:35 How Can Systems Biology Help Us Understand Rare Diseases
Arthur D. Lander, UC Irvine, Irvine, CA

4:05 Systems-Based Approaches toward Wound Healing
Ellen Kuhl, Stanford University, Stanford, CA
**Monday, May 5**

**7:00am - 8:00am**

**3050A Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding**

**PPC Hot Topic**

Vancouver Convention Centre - West 111-112

*Chairs: Richard Lee Bucciarelli, University of Florida, Gainesville, FL and Scott Denne, Indiana University, Indianapolis, IN*

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and non-profit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

*Speakers: Charles Thompson, Pfizer; Ron Portman, Bristol-Myers Squibb; Shale Wong, Robert Wood Johnson Foundation*

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

**7:00**

*Introduction*

Scott Denne, MD, FAAP
Professor of Pediatrics, Indiana University

**7:05**

*Pediatric Innovation: Partners in Progress*

Charles Thompson, MD, FAAP, Pfizer
Ron Portman, MD, FAAP, Bristol-Myers Squibb

**7:30**

*Foundation Funding – A Viable Option*

Shale Wong, MD, FAAP, Robert Wood Johnson Foundation

**7:35**

*Discussion*

*8:00am-10:00am*

**3152 Top-Down ‘Big’ Science and Investigator-Initiated ‘Small’ Science: Opportunities, Controversies and Implications for Pediatric Research**

PAS Topic Symposium

Vancouver Convention Centre - West 109

*Target Audience: The target audience is current and aspiring clinical, basic science, translational pediatric researchers.*

*Objectives:*

- Understand the controversies of top-down driven ‘big’ science vs. investigator-initiated ‘small’ science in driving pediatric research
- Provide insights into funding options and challenges for ‘big’ vs. ‘small’ science through government, industry, institutes and nonprofit entities
- Provide career development guidance for researchers regarding ‘big’ and ‘small’ science options, how to proceed and succeed in research

*Chairs: Debra L. Weiner, Harvard University, Boston, MA and John Schreiber, Floating Hospital for Children, Tufts Medical Center, Boston, MA*

This era of exciting and unprecedented scientific knowledge and opportunities for scientific discovery offers the potential to dramatically advance the health of children and the care of ill and injured pediatric patients. High research costs and diminishing funding, however, impose increasing challenges that have intensified the controversial discussion regarding the role of top-down driven ‘big’ science vs. investigator-initiated ‘small’ science to advance research findings. This symposium will explore and debate the opportunities and challenges of the ‘big’ science vs. ‘small’ science approaches in the context of the current pediatric research agenda; debate the priorities, programs, and funding potential of government and private entities and the potential implications for pediatric research investigators in an era of constrained funding. The session will combine presentations, discussion, debate and questions.

**8:00am**

*‘Big’ and ‘Small’ Science: Opportunities and the SPR*

Steven P. Miller, The Hospital for Sick Children, Toronto, ON, Canada

**8:25**

*The Case for ‘Big’ and ‘Small’ Science*

TBD

**8:50**

*Industry Funding and Collaboration: Goals, Opportunities and Relationships with Academia for ‘Big’ and ‘Small’ Science Research*

Samuel D. Maldonado, Janssen Pharmaceuticals, Raritan, NJ

**9:15**

*Surviving Sequestration: Embracing Your Inner Entrepreneur*

Diana W. Bianchi, Floating Hospital for Children @ Tufts Medical Center, Boston, MA

**9:40**

*Panel Discussion:*

Topics for Panelists Will Include Appropriate Balance of ‘Big’ and ‘Small’ Science, Role of Federally Funded Agencies, Institutes, Industry, and Nonprofits; Implications for the Future of Pediatric Career Scientists and Pediatric Research, SPR Role and Role of SPR Members in Research Advocacy

Debra L. Weiner, Harvard University, Boston, MA

**9:55**

*Summary and Conclusions*

Debra L. Weiner, Harvard University, Boston, MA and John R. Schreiber, Tufts Univ School of Med and the Floating Hospital for Children, Boston, MA

*Jointly sponsored by the Child Health Translational Research Committee and the Pediatric Academic Societies*

**10:15am-12:00pm**

**3300 SPR Presidential Plenary and Awards**

West Ballroom C

**10:30am-12:30am**

**3330 Rare Diseases: Where Are We; Where Are We Going; Why Does It Matter?**

PAS State of the Art Plenary

Vancouver Convention Centre - West 109

*Target Audience: Clinicians and scientists at all career stages.*

*Objectives:*

- Understand how current technologies are applied in strategies for rare disease drug development
- Comprehend the challenges of clinical trial design for rare diseases
- Articulate key aspects of the regulatory pathway and the special considerations for orphan drug approval
The Orphan Drug Act of 1983 incentivized pharmaceutical companies to develop and commercialize drugs to treat rare diseases, so-called orphan drugs. Thus, the terms “rare disease” and “orphan disease” are often used interchangeably. In the United States, the Rare Diseases Act of 2002 defines a disorder as “rare” based on population prevalence, i.e., a disease or condition that affects less than 200,000 persons or about 1 in 1,500 people. Rare diseases typically involve single gene defects and thus can present at any point along the life course, although most manifest symptoms early in life. This symposium will focus on the current state-of-the-art in rare disease research, with emphasis on strategies for drug development, new methodologies for clinical trial design, and approaches to effectively navigate the regulatory pathway for drug approval.

10:30 Rare Diseases: The 2013 Terrain
Lisa M. Guay-Woodford, Children’s National Medical Center, Washington, DC

10:55 Drug Development for Rare Diseases: Challenges and Solutions
John C. McKew, National Center for Advancing Translational Sciences, Bethesda, MD

11:20 Statistical Challenges in Study Design for Rare Disease Trials
Avital Cnaan, Children’s National Medical Center, Washington, DC

11:45 The Regulatory Pathway for Rare Diseases: Lessons Learned
Robert “Skip” Nelson, Food and Drug Administration, Silver Spring, MD

12:10 Discussion

12:00pm-1:00pm

3437A Directors of Research in Pediatrics
Vancouver Convention Centre – East 8

Speaker: De-Ann M. Pillers, University of Wisconsin-Madison, Madison, WI and Nina G. Schor

2:00 Neighborhood Housing Code Violation Density is Associated with a Patient’s Risk of Asthma Reutilization
Andrew F. Beck, Bin Huang and Robert S. Kahn.

2:15 What Learning Goals Do Residents Develop?

2:30 President’s Address: Policy, Politics and Procedure: Our Role
Andrew F. Beck, Arvin Garg, Sarah Toy, Yorghos Tripodis, and Elnner Freeman

3:00 Break

3:15 APA Health Care Delivery Award: Presented by Jane Knapp to
David Keller, President, Academic Pediatric Association, Professor, Department of Pediatrics, University of Colorado School of Medicine, Vice Chair of Clinical Affairs and Clinical Transformation, Children’s Hospital Colorado, Aurora, CO

3:30 APA Research Award: Presented by Cynthia Minkovitz to
Alejandro Hoberman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine

3:45 Violent Deaths in Children: Opportunities for Prevention at a
Children’s Hospital

4:00 The I-PASS Handoff Study: Effects of Implementing a Multi-site
Handoff Bundle on Rates of Medical Errors, Preventable Adverse Events, and Miscommunications
Amy Stamer and I-PASS Group

4:15 Can Brief Motivational Interviewing in Practice Reduce Child
Body Mass Index? Results of a 2-year Randomized Controlled Trial
K. Resnicow

4:30 Addressing the Social Determinants of Health at
Well-Child Care Visits: A Cluster RCT
Arvin Garg, Sarah Toy, Yorghos Tripodis, and Elnner Freeman

4:45 Armstrong Lecture: OUTSIDE LOOKING IN, INSIDE LOOKING OUT:
Expanding the concept of health
Karen Hein, MD, Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth, Member, Vermont Green Mountain Care Board

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

4:15pm-7:30pm

Poster Session III
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm
Refer to PAS Daily Programming for complete details.

Tuesday, May 6

7:00am–11:00am

Poster Session IV
Vancouver Convention Centre, Hall B/C

Author Attendance: 7:30am–9:30am
Refer to PAS Daily Programming for complete details
About the International Pediatric Hypertension Association

Hypertension, which is estimated to affect more than 50 million Americans and is a leading cause of cardiovascular disease, end-stage renal disease and cerebrovascular accidents, commonly has its origin in childhood. Although hypertension and associated end-organ damage occur more commonly in adults, hypertension and its resultant complications have far earlier antecedents. The International Pediatric Hypertension Association (IPHA) is a multispecialty, multidisciplinary group of health care providers and scientists committed to delineating the origins and manifestations of hypertension in children and improving the care of children and young adults affected by this condition. Toward that end, IPHA has established a three-fold mission to:

– foster and maintain an open forum among pediatric hypertension healthcare professionals worldwide;

– participate in research initiatives promoting improved treatment of the hypertensive patient;

– educate healthcare professionals and the lay public about the ramifications of childhood hypertension.

Please join us in Vancouver, where the International Pediatric Hypertension Association (IPHA) and the Pediatric Academic Societies (PAS) will, for the eighth year, host aligned meetings. Joint symposia and original science will be held at the Vancouver Convention Centre. The IPHA general meeting is scheduled for Monday, May 5 from 5:00pm-7:00pm, Vancouver Convention Centre – West 221.

Registration Information

A registration fee set by the PAS is required to attend any PAS activities.

Continuing Education

Continuing Education Credit is available through the PAS. See page 385 for complete information.

Friday, May 2

1:00pm–6:30pm

0500 PAS/APPD Core Curriculum Fellows’ Series
Vancouver Convention Centre
Preregistration Required

Three 60-120 minutes sessions will be presented in each of three tracks. Preregistration was required to attend. A reception will follow with special presentations from PAS leaders. This series is designed to meet elements of the core curriculum for pediatric fellowship subspecialty training. A certificate will be emailed to everyone in attendance.

6:30pm–7:30pm

0550 PAS/APPD Core Curriculum Fellows’ Series: Reception
Vancouver Convention Centre

Must be registered as a Core Curriculum Fellows’ Series participant to attend.

Saturday, May 3

7:00am-8:00am

1060A Coffee and Light Breakfast with Pediatric Nephrology Fellows and Faculty

8:00am–10:00am

1130 Pediatric Kidney Stones
PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Pediatricians, Pediatric Nephrologists, General Pediatrics, Pediatric Emergency, Medicine specialists and dietitians interested in the growing issues of Pediatric kidney stones

Objectives:
- Discuss the increasing frequency that kidney stones are encountered and resulting implications for the field of Pediatric Nephrology
- Outline the management of pediatric calcium oxalate, calcium phosphate, cystine, struvite and uric acid kidney stones along with primary hyperoxaluria
- Highlight the genetic etiology and management of rare kidney stones diseases

Chairs: Craig B. Langman, Lurie Children’s Hospital of Chicago, Chicago, IL, and David J. Sas, Medical University of South Carolina Children’s Hospital, Charleston, SC

Recent evidence indicates that kidney stones are increasing in frequency in children. This symposium will consider molecular basis and clinical implications of the multiorgan and comorbid presentation of kidney stones. The current state of urological management of kidney stone disease will be discussed. The symposium will end with consideration of the genetic basis and comprehensive management of rare and complex kidney stone disease including cystine stones and primary oxaluria.
8:00 Changing Epidemiology of Kidney Stones
David J. Sax, Medical University of South Carolina Children's Hospital, Charleston, SC

8:25 Molecular Basis and Clinical Implications of Kidney Stones as a Multi-Organ Condition
Tarak Srivastava, Children's Mercy Hospital, Kansas City, Kansas City, MO

8:50 Genetic Etiology and Management of Rare and Complex Kidney Stone Disease
Dawn Milliner, Mayo Clinic, Rochester, MN

9:15 Urological Management of Kidney Stones
Kourosh Afshar, BC Children's Hospital, Vancouver, BC, Canada

9:40 Discussion

10:30am-12:30pm

1370 State of The Art and Science of Neonatal/Pediatric Extracorporeal Support
PAS Topic Symposium
Vancouver Convention Center - West 121-122

Target Audience: Clinicians and scientists involved with the care and study of neonates and children with acute cardiopulmonary failure benefitting from extracorporeal support.

Objectives:
- Articulate current indications and outcome measures for use of extracorporeal support in neonates and children for cardiac and respiratory failure
- Articulate current understanding of coagulation and anticoagulation in extracorporeal circuits, and identify current anticoagulation approaches to decrease complications
- Define the impact and mechanisms of potential neurologic effects of extracorporeal support, neurologic complications, and neurologic monitoring on ECLS

Chairs: Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA, and James Donald Fortenberry, Children's Healthcare of Atlanta, Atlanta, GA

The use of extracorporeal support in neonates and children with respiratory or cardiac failure continues to be refined due to improved understanding of physiologic management, broadening of indications, and enhanced techniques. As use increases in a number of settings, particularly in pediatric respiratory and neonatal/pediatric cardiac support, improved scientific understanding of factors impacting both mortality and morbidity has developed. Advances in understanding of the milieu of anticoagulation help guide improvements in morbidity and survival. Understanding developmental and neurologic impact, monitoring and outcomes becomes more important with improved survival. Pediatric acute kidney injury has also become better defined, and recognized as a coexisting factor in children requiring ECLS. Early identification via urinary biomarkers could guide improved therapy.

10:30 Current Use of Extracorporeal Support in Neonates and Children: The Extracorporeal Life Support Organization Registry Experience
James Donald Fortenberry, Children's Healthcare of Atlanta, Atlanta, GA

10:45 New Insights into Outcomes in Neonatal and Pediatric Respiratory Failure ECMO
Thomas V. Brogan, University of Washington School of Medicine/Seattle Children’s Hospital, Seattle, WA

11:05 Extracorporeal Support for Pediatric Cardiac Failure: Mechanisms, Devices, and Outcomes
Ravi R. Thigagarajan, Boston Children’s Hospital, Boston, MA

11:25 Acute Kidney Injury in Children with Cardiorespiratory Failure: Defining It and Treating It on ECLS
Matthew L. Paden, Emory University, Atlanta, GA

11:45 Seeking the Holy Grail: Understanding and Optimizing Coagulation and Anticoagulation in ECLS
Gail Annich, University of Michigan, Ann Arbor, MI

12:05 The Child’s Brain on ECLS: Insights into Neurologic Effects, Outcome and Monitoring
Mark T. Ogino, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE

12:25 Discussion

12:15 Henry L. Barnett Award - AAP Section on Nephrology
Introduction and Presenter
Larry Greenbaum, Emory University, Emory Children’s Center, Atlanta, GA

12:30 Award Recipient
Denis Geary, University of Toronto, Toronto, ON, Canada

12:45 ASPN Founder’s Award
Introduction
Joseph T. Flynn, University of Washington, Seattle Children’s Hospital, Seattle, WA
Presenter
TBD

1:00 Award Recipient
Robert L. Chevalier, University of Virginia Children’s Hospital, Charlottesville, VA

1:00pm-4:00pm

1500 Posters Available for Viewing
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 1:00pm-4:00pm
Author Attendance and Opening Reception: 1:15pm-2:30pm

1:15-2:30pm
Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C

Mentored Poster Viewing
Hypertension and Nephrology

Mentored poster viewing starts at 1:30pm immediately following the ASPN Awards Luncheon; meet outside the luncheon doorway Salon A/B at 1:30pm. Pediatric Nephrology Faculty and Fellows will guide residents and students through the posters. This will give students and residents the opportunity to learn how to approach poster viewing and interact with faculty and fellows in an informal setting.

Course # Topic Board #
1517 Nephrology: General 213-228
1518 Nephrology: Workforce 229-232
1519 Nephrology: Hypertension 233-246

2:45pm-4:45pm

1605 Blood Pressure Control in Pediatric Chronic Kidney Disease: What’s Possible, Why
PAS Topic Symposium
Vancouver Convention Centre - East 214

Target Audience: Pediatricians, nephrologists and cardiologists.

Objectives:
- Understand the consequences of untreated BP in Childhood CKD
- Delineate how well we control BP in ESRD and CKD
- understand the evidence based guidelines for BP control

Chairs: Joseph Flynn, Seattle Children’s Hospital, Seattle, WA, and Janis Dionne, BC Children's Hospital; University of British Columbia, Vancouver, BC, Canada

Control of hypertension in chronic kidney disease (CKD) is important for slowing progression of CKD, but is difficult to achieve. Additionally, current recommendations for optimal blood pressure (BP) targets in pediatric CKD are largely opinion-based because of a lack of longitudinal data on rates of progression at various levels of BP. This session will review the latest data on rates of BP control in pediatric CKD, discuss the effects of untreated
hypertension in children with CKD, assess recently issued guidelines for BP targets in pediatric CKD, and offer suggestions on how best to achieve BP control in this patient population.

2:45  Rates of BP Control in Pediatric CKD and ESRD
Susan M. Halbach, Seattle Children’s Hospital, Seattle, WA

3:10  Consequences of Uncontrolled Hypertension in Pediatric CKD
Donald John Weaver, Levine Children’s Hospital, Charlotte, NC

3:35  KDOQI, KDOQI, ESH, Task Force – Are Any of These Guidelines Evidence Based? Can They Be Achieved?
Janis Dionne, BC Children’s Hospital; University of British Columbia, Vancouver, BC, Canada

4:00  How Should We Measure BP and What Medications Should We Use to Control Hypertension in CKD?
Michael A. Ferguson, Boston Children’s Hospital, Boston, MA

2:45pm-4:45pm

1635A  The Renal Endothelium: Update 2014
ASPN Topic Symposium
Vancouver Convention Centre - West 11

Target Audience: Clinical Basic Science Translational Career-Related.

Objective: - Understand the important role endothelial cells portend on renal pathophysiology

Chairs: David M. Briscoe, Boston Children’s Hospital, Boston, MA, and Michael E. Seifert, Southern Illinois University, Springfield, IL

Glomerular endothelial cells are highly specialized fenestrated cells that promote selective filtration of plasma through the kidney glomerular filtration barrier. These often ignored cells are increasingly recognized as playing a central role in the development and progression of several primary kidney diseases. This session will provide an overview and update on endothelial cell biology followed by a discussion of the role of endothelial cells in the pathogenesis of renal disease.

2:45  Renal Endothelial Cell Biology Overview
Michael E. Seifert, Southern Illinois University, Springfield, IL

3:15  Cross Talk between the Endothelial Cell and the Pericyte: Lessons from Renal Fibrosis
Jeremy Duftield, University of Washington, South Lake Union, Seattle, WA

3:45  Endothelial Cell Injury in Lupus Nephritis
Scott E. Wenderfer, Baylor College of Medicine / Texas Children’s Hospital, Houston, TX

4:15  Cell Intrinsic Regulation of Endothelial Dysfunction in Chronic Inflammation/Chronic Rejection
David M. Briscoe, Boston Children’s Hospital, Boston, MA

2:45pm-4:45pm

1685  Nephrology: Clinical / Translational
Platform ~ Vancouver Convention Centre ~ Room West 212-213

Chairs: Sandra Amaral and Poyyapakkam Sivaths

2:45  SCOPE: Epidemiology of Catheter-Associated Peritonitis in Children.
Christine B. Sethna, Kristina Bryant, Christine Breen, John Lawlor, Lawrence Shoemaker, Susan Kieffner, Jason Newland. Publication 1685.1

3:00  Incidence of and Mortality Associated With Acute Kidney Injury in Neonates.
Michael W. Kuzniewicz, Soora Wi, Alan S. Go. Publication 1685.2

3:15  Genetic Variations in α-Defensin 1-3 Not β-Defensin 1 Confer UTI Risk in Children With Vesicoureteral Reflux.
David S. Hains, Huanyu Wang, Jennifer Kline, Chack-Yung Yu, John Spencer, John Koralkar, Marepalli B. Rao, Laurie Kahill, William T. Harris, John P. Manak, Patrick Brophy, Andrew Schwaderer. Publication 1685.3

3:30  Mortality Risk among Children Receiving a First Kidney Transplant (tx) in the United States (US) from 1990-2010.
Benjamin Laskin, Mark Mitsnefes, Mourad Dahhou, Xun Zhang, Bethany Foster. Publication 1685.4

Kevin I. Downey, Neha R. Patil, Rajesh Koralkar, Marepalli B. Rao, Laurie Kahill, William T. Harris, John P. Clancy, Stuart L. Goldstein, David Askenazi. Publication 1685.5

4:00  Elevated Fibroblast Growth Factor 23 (FGF23), but Not Soluble Klotho (sK) Predicts Progression of Chronic Kidney Disease (CKD) in Pediatric Renal Transplant (Rtx) Patients at 2 Year Follow-Up.
Rachana Srivastava, Eileen Brewer, Poyyapakkam Sivaths. Publication 1685.6

4:15*  Renal Transplantation in Children With Cognitive Delay (CD).
Sarita Ranabothu, Sonya Lopez, Natalia Zelikovsky, Jorge Balaicte, Kevin Meyers. Publication 1685.7

5:00pm-6:30pm

1775  PAS/ASPR Opening General Session
Vancouver Convention Centre – West Ballroom A

Chair: D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:00  PAS Welcome
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:05  APR Welcome
Keiichi Ono, President of the 10th Congress of the Asian Society for Pediatric Research

5:10  Introduction of Joseph W. St. Geme, Jr. Leadership Award
Alan L. Schwartz, President, American Pediatric Society; Harriet B. Spoehr Professor and Chair, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO

Introduction: Joseph W. St. Geme, Jr. Leadership Award
Marshall L. Land, Jr., R. James McKay, Jr., MD, Green & Gold Professor of Pediatrics, University of Vermont College of Medicine and Vermont Children’s Hospital, Burlington, VT

Joseph W. St. Geme, Jr. Leadership Award*
Lewis R. First, Professor and Chair, Department of Pediatrics, University of Vermont College of Medicine, Chief of Pediatrics, Vermont Children’s Hospital at Fletcher Allen Health Care, Burlington, VT

5:40  Introduction: Keynote Address
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:45  Keynote Address: From Discovery to Delivery: Innovations and Impact in Global Health
Chris Elias, President, Global Development Program, Bill & Melinda Gates Foundation, Seattle, WA

*The Joseph W. St. Geme, Jr. Leadership Award is presented by the Federation of Pediatric Organizations on behalf of the Academic Pediatric Association, American Academy of Pediatrics, American Board of Pediatrics, American Pediatric Society, Association of Medical School Pediatric Department Chairs, Association of Pediatric Program Directors and Society for Pediatric Research.
Ultimately assist in the development of primary prevention programs. Adversity will contribute to our understanding of the life-course trajectories, and will make a full contribution to the DOHAD hypothesis, these multi-centre studies must use pooled dataset to allow investigators to illustrate the limited number of subjects in individual cohorts has not allowed the exploration of these risk or protective factors. Pooled dataset can allow investigators to illustrate the mechanisms that link early life events with subsequent health and disease.

Infants born very preterm are exposed to a variety of adverse conditions. However, the limited number of subjects in individual cohorts has not allowed the exploration of these risk or protective factors. Pooled dataset can allow investigators to illustrate the mechanisms that link early life events with subsequent health and disease. This session will highlight practical obstacles related to pooling of data across cohorts, and ways to overcome such obstacles. The multi-disciplinary APIC collaboration allows us to explore mechanisms that link conditions during fetal life or infancy with cardio-metabolic and mental health throughout life. To make a full contribution to the DOHAD hypothesis, these multi-centre studies must use optimum methodologies and examine the impact of all potential confounders. Studying the relationships in young adults born pre-term with severe perinatal adversity will contribute to our understanding of the life-course trajectories, and will ultimately assist in the development of primary prevention programs.

8:00 Strengths and Limitations in Studies on Adult Outcomes of Preterm Infants
Saroj Saigal, McMaster University, Hamilton, ON, Canada

8:10 Factors to Consider in Studying the Purported Fetal Origins of Disease
Nigel Paneth, Michigan State University, East Lansing, MI

8:35 Pooling of Individual Level Data across Cohort Studies – Practical Issues, Illustrated by APIC Blood Pressure Sub-Study
Petteri Hovi, THL, Helsinki, Finland

8:50 Cardiac-Metabolic Health in Adults Born Preterm
Katherine M. Morrison, McMaster University, Hamilton, ON, Canada

9:05 Mental Health Outcomes in Adults Born Preterm
Katri Raikkonen, Institute of Behavioural Sciences, Helsinki, Finland

9:20 Can We Uncover Mechanisms That Link Early Life Events with Health and Disease by Studying Adults Preterm?
Eero Kajantie, National Institute for Health and Welfare, Helsinki, Uusimaa, Finland

9:40 Discussion

Jointly sponsored by the Child Health Translational Research Committee and the Pediatric Academic Societies
The kidney is susceptible to acute and chronic injury from a variety of exposures. Nephrologists face ethical dilemmas throughout the course of their career. These can include decisions on which patients to start on dialysis, how to work with patients/families with known non-adherence, and decisions about which patients should receive a kidney transplant. Some decisions are made on a local basis while others are addressed at a national level (i.e. organ allocation rules). This workshop will review the ethical principles and ideas that are required to make decisions about these difficult topics. Participants will then review and discuss 5 real life patient cases with ethical dilemmas that have been submitted by ASPN fellows.

8:00  
**Practical Guide to Approaching Ethical Dilemmas in Clinical Practice**
Aviva Goldberg

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

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10:15am-11:45am

**2300  APS Presidential Plenary and Awards**
Vancouver Convention Centre - West Ballroom B

10:30am-12:30pm

**2330A  The Kidney Intoxicated: Impact of Environmental and Pharmacological Exposures on the Kidney**
ASPN Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Hepatologist, gastroenterologist and neonatologist in Asia and USA.

Objectives:
- Know that exposures to environmental toxicants or medications may have acute and lifelong consequences on the health of the kidney
- Realize that iatrogenic causes of kidney injury are associated with significant burden in terms of public health and healthcare costs

Chairs: Sharon P. Andreoli, J.W. Riley Hospital for Children, Indianapolis, IN, and J. J. Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

The kidney is susceptible to acute and chronic injury from a variety of exposures. This session will review historical and modern environmental exposures and their impact on kidney health. Additionally, recreational drug use and iatrogenic medication exposure will also be reviewed.

**10:30  Occupational and Environmental Exposures and Kidney Health**
Jeffrey Fadrowski, Johns Hopkins University School of Medicine, Baltimore, MD

**10:55  Community-Based Analgesia: NSAIDs and Kidney Health**
Jason Mark Misurac, Riley Children’s Hospital, Indianapolis, IN

**11:20  Recreational Drugs and Kidney Health**
Doug Blowsen, Children’s Mercy Hospitals & Clinics, Kansas City, MO

**11:45  Hospital-Based Pharmacological Oversight and Prevention of Kidney Injury: Costs and Considerations**
Stuart L. Goldstein, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

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11:00am-1:00pm

**2420A  Ambulatory Blood Pressure Measurement (ABPM)**
IPHA Workshop
Vancouver Convention Centre – East 13

Objectives:
- Identify the source of information with the most recent comprehensive information about ABPM in children as the AHA policy statement
- Organize a program in ABPM at their home center
- Determine how to assess the cost-effectiveness of ABPM in the evaluation of the child or adolescent with suspect hypertension. Analyze an ABPM report and understand how to interpret the findings

Chair: Donald Lee Batisky

It is clear that Ambulatory Blood Pressure Monitoring (ABPM) is useful in the evaluation of blood pressure levels in youth. However, there is need for larger data sets, including normative data in healthy non-white populations. Information relating ABPM to well-defined or intermediate end points in youth with sustained hypertension is also lacking. Additional data will also be important in evaluating the efficacy of ABPM in measuring effects of interventions and reversal of target organ damage. Further research is also needed in the development of standardized protocols appropriate for validation of monitors used in pediatric patients. Finally, although adult studies suggest that significant cost savings can result from the use of ABPM versus conventional casual blood pressure (CBP) measurement to classify and monitor hypertensive patients, similar cost-effectiveness analyses have not yet been performed in children.

With these issues in mind, this workshop will address the following topics:

1. Review of the American Heart Association policy statement – Dr. Joseph Flynn
2. The nuts & bolts of setting up an ABPM program – Dr. Joshua Samuels
3. An overview of reimbursement strategies will be reviewed – Dr. Karen Redwine
4. Cost-effectiveness of using ABPM in the evaluation and management of pediatric hypertension – Dr. Dan Feig
5. Using the ABPM data for an advanced analysis – Dr. Mark Mitsnefes

In a workshop format, there will be opportunities for the audience to hear about these topics from noted experts in this field with ample opportunity for interactive discussion. Prior to the workshop, there will be a call for attendees to send difficult cases to be used for discussion at the workshop.

10:30  
**Overview**
Donald L. Batisky

10:40  
**Review of the American Heart Association Policy Statement**
Joseph T. Flynn

11:00  
**The Nuts & Bolts of Setting up an ABPM Program**
Joshua A. Samuels

11:20  
**An Overview of Reimbursement Strategies**
Karen M. Redwine

11:40  
**Cost-Effectiveness of Using ABPM in the Evaluation and Management of Pediatric Hypertension**
Daniel I. Feig

12:00  
**Using the ABPM Data for an Advanced Analysis**
Mark Mitsnefes

1:00pm-3:00pm

**2655A  Chronic Kidney Disease after Acute Kidney Injury**
ASPN Topic Symposium
Vancouver Convention Center - West 211

Target Audience: Pediatric nephrologists, Pediatric ICU, Pediatric cardiologists

Session Content: Clinical Basic Science Translational Career-Related Acute kidney injury (AKI) affects many children admitted to the intensive care unit. Over the last few years, it has been increasingly recognized that children with AKI are at risk of developing chronic kidney disease (CKD) in the future. This session will review the epidemiology of CKD as a result of AKI, as well as...
biomarkers that can potentially be used in the acute setting to identify patients at high risk of progression. Also discussed will be the risk factors for CKD after AKI in high risk populations including children with hemolytic uremic syndrome, after cardiopulmonary bypass, and in the neonatal period. Strategies for prevention, identification, and follow up will be discussed.

Objectives:
- Understand the risk factors associated with progression from AKI to CKD
- Realize critical issues with special populations and their unique risk for developing CKD

Chairs: David Selewski, University of Michigan / C.S. Mott Children’s Hospital, Ann Arbor, MI, and Prasad Devarajan, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

1:00  Epidemiology of CKD after AKI: Overview, Biomarkers, and Pathophysiology
Cherry Mammen, University of British Columbia, Division of Nephrology, British Columbia Children’s Hospital, Vancouver, BC, Canada

1:25  CKD after Shiga-Toxin (STEC) Positive HUS
Lawrence Copelovitch, Children’s Hospital of Philadelphia, Philadelphia, PA

1:50  CKD after Cardiac Surgery in Pediatrics
Catherine Morgan, University of Alberta, Edmonton, AB, Canada

2:15  CKD after Neonatal AKI
David J. Askenazi, University of Alabama, Birmingham, Birmingham, AL

7:00am - 8:00am
3050A  Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding
PPC Hot Topic
Vancouver Convention Centre - West 111-112

Chairs: Richard Lee Buccarelli, University of Florida, Gainesville, FL and Scott Denne, Indiana University, Indianapolis, IN

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and from nonprofit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

Speakers: Charles Thompson, Pfizer; Ron Portman, Bristol-Myers Squibb; Shale Wong, Robert Wood Johnson Foundation

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

7:00  Introduction
Scott Denne, MD, FAAP
Professor of Pediatrics, Indiana University

7:05  Pediatric Innovation: Partners in Progress
Charles Thompson, MD, FAAP, Pfizer
Ron Portman, MD, FAAP, Bristol-Myers Squibb

7:25  Foundation Funding – A Viable Option
Shale Wong, MD, FAAP, Robert Wood Johnson Foundation

7:35  Discussion

4:15pm–7:30pm
2880A  ASPN Presidential Address and Business Meeting
ASPN Business Meeting
Vancouver Convention Centre – West 211

Joe Joseph T. Flynn
President
American Society of Pediatric Nephrology

ASPN Presidential Address
Joseph T. Flynn, University of Washington, Seattle Children’s Hospital, Seattle, WA

4:15pm–7:30pm
2900  Posters Available for Viewing
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

5:45pm–7:30pm
2900  Poster Session II
Vancouver Convention Centre, Hall B/C

Course #  Topic                     Board #  
2908  Acute Kidney Injury          85-103
2909  Urinary Tract Infection / VUR 104-114
2910  Glomerulonephritis           115-129

Refer to PAS Daily Programming for complete details.

8:45*  Blood Pressure Variability in Children With Primary vs. Secondary Hypertension. Daniel Leisman, Nataliya Chorny, Rachel Frank, Luliete Infante, Christine B. Setina. Publication 3175.4

9:00  Can Normal Casual Blood Pressure Predict Normal ABPM? Mark Mitsnefes, Chris Pierce, Joseph Flynn, Joshua Samuels, Janis Dionne, Susan Furth, Bradley Warady. Publication 3175.5

9:15  Ambulatory BP Monitoring Improves Medication Management in Children With Hypertension. Karen Redwine, Mohammad Ilyas, Laura James, Christopher Swearingen, Thomas Wells. Publication 3175.6

9:30*  Exercise Blood Pressure in Pediatric Hypertension. David M. Brennen, Rae-Ellen W. Kavey, Marc B. Lande. Publication 3175.7

9:45  Cystatin C Predicts Abnormal Systolic and Diastolic Function Over Time in Children With Chronic Kidney Disease (CKD). Tammy Brady, Kelly McDermott, Michael Schneider, Christopher Cox, Bradley Warady, Susan Furth, Mark Mitsnefes. Publication 3175.8

8:00am-10:00am

3180  March of Dimes Basil O’Connor Symposium

MOD Topic Symposium
Vancouver Convention Centre – West 214

Target Audience: Mature scientists and young investigators whose research is focused on premature, complications of pre-term birth, developmental biology, or genetics.

Objectives:
- Will hear 8 funded research presentations from Basil O’Connor awardees as examples of MOD funding interests
- Will see how genetics can be used to predict outcomes
- Will benefit from the integration of basic and translational research presentations

Chairs: Margaret K. Hostetter, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, and Joe Leigh Simpson, March of Dimes, White Plains, NY

This symposium, now proposed for the third time, features young investigators who are concluding their second year of support on Basil O’Connor Awards from the March of Dimes. Both MDs and PhDs are represented. Presented research covers a range of topics that are areas of focus for the March of Dimes: pregnancy and prematurity, complications of preterm birth, developmental biology, genetics, etc. Members of the PAS Program Committee have attended the past two symposia and have been very complimentary regarding the breadth and excellent of the science.

Refer to PAS Daily Programming for presentation details.

Presented by the March of Dimes Foundation

8:30am-11:30am

3275A  “Urine the Know” Best of Pediatric Nephrology in 2013-14

ASPN Workshop
Vancouver Convention Centre – West 201

Target Audience: Pediatric Nephrologists.

Objectives:
- Outline the premium papers in the field to provide new knowledge to the attendee
- Provide a venue to discuss controversies in Pediatric Nephrology
- Open lines of communication to like minded individuals in terms of ongoing or potential collaborative research

Co-Leaders: Allison A. Eddy, David Berrey Kershaw

One of the primary roles of the academic physician is to do research and disseminate the findings. With the conflicting responsibilities of clinical coverage, administrative work, teaching, our own research and family obligations, it can be challenging to keep up with the most important research findings outside of our own spheres. This workshop is intended to present the findings of the top advances in pediatric nephrology in 2013-14. The goal is to have 2 papers each in the fields of Acute Kidney Injury, Chronic Kidney Disease, Dialysis and Transplantation presented by their authors.

8:30-8:40 Introduction to the session – Drs. Eddy and Kershaw

AKI
8:40-9:00

9:00-9:20

CKD/Dialysis
9:20-9:40

9:40-10:00
10:00-10:20
Johns Hopkins University

10:20-10:40
University of Pennsylvania

Transplant
10:40-11:00
Medical University of South Carolina

11:00-11:20
Stanford University

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

10:15-12:00
3300 SPR Presidential Plenary and Awards
West Ballroom C

11:45am-12:45pm
3425A ASPN CPC Fellow’s Luncheon: Battle of the Brains
ASPN Symposium
Vancouver Convention Centre - West 211

11:45am-12:45pm
3430A ICD-10 for Pediatric Nephrologists Luncheon
ICD-10 for Pediatric Nephrologists
Mark W. Joseph, Phoenix Children’s Hospital, Phoenix, AZ

1:00pm-3:00pm
3500A Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology
MOD Award Symposium
Vancouver Convention Centre - East Ballroom A

Presented by the March of Dimes Foundation

1:00pm-3:00pm
3505 Beans and Bones: FGF-23 in Metabolic Bone Disease
PAS Topic Symposium
Vancouver Convention Centre - West 211

Target Audience: Pediatric Nephrologists, geneticists, endocrinologists and translational investigators.

Objectives:
- Become familiar with how FGF23 regulates phosphorus in the kidney
- Identify the salient components of the role FGF23 plays in skeletal physiology and vascular disease
- Update FGF23 regulation in metabolic bone diseases, including in endocrine and chronic kidney conditions

Chairs: Anthony A. Portale, University of California San Francisco, San Francisco, CA, and Rachel I. Gafni, National Institutes of Health, Bethesda, MD

FGF-23 has joined Vitamin D and PTH as a key hormone in the regulation of metabolic bone disorder. As chronic kidney disease worsens, these hormones impact bone mineralization and vascular disease. This session will highlight the basic science and clinical activity of FGF23 and explore how an understanding of its regulation may impact treatment options for metabolic bone diseases including MBD-CKD.

1:00 FGF-23: The Assay and Overview
Rachel I. Gafni, National Institutes of Health, Bethesda, MD

1:15 FGF23 and the Regulation of Phosphorus by the Kidney
Farzana Perwad, UCSF, San Francisco, CA

1:40 FGF23 Activity in Bone Metabolism and Vascular Biology
Katherine Wesseling, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:05 FGF23 in Metabolic Bone Disease of Endocrine Origin
Erik A. Imel, Indiana University School of Medicine and Riley Children’s Hospital, Indianapolis, IN

2:30 FGF23 in the Clinical Management of CKD-MBD
Mary B. Leonard, The Children’s Hospital of Philadelphia, Philadelphia, PA

Jointly sponsored by the American Society of Pediatric Nephrology, Pediatric Endocrine Society, Society for Pediatric Research, Pediatric Endocrine Society and the Pediatric Academic Societies

3:30pm-5:30pm
3645 Vesicoureteral Reflux and UTIs, Is There Anything New?
PAS Topic Symposium
Vancouver Convention Centre - West 220


Objectives:
- Discuss current guidelines for the management of UTI
- Highlight genetic risk factors for VUR and UTI
- Highlight areas for future investigation in VUR and UTI

Chairs: John Spencer, Nationwide Children’s Hospital, Columbus, OH, and Marva M. Moxey-Mims, NIH/NIDDK/DKUH, Bethesda, MD

The management of UTIs and VUR is challenging secondary to conflicting evidence in the literature. Current management guidelines will be discussed. Research findings designed to increase our understanding of the underlying mechanisms and clarify management strategies will be presented.

3:30 Current Guidelines on the Management of UTI
Tej Matoo, Children’s Hospital of Michigan, Wayne State University, Detroit, MI

3:55 In Defense of the Urinary Tract: Innate Mechanisms for Maintaining Sterility
David Sullivan Hains, Nationwide Children’s Hospital, Ohio State University, Columbus, OH

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**International Pediatric Hypertension Association**

**4:20 Genetics of VUR**
Rasheed Gbadegesin, Duke University Medical Center, Durham, NC

**4:45 Interplay between Vesico-Ureteric Reflux and Kidney Infection in the Development of Reflux Nephropathy**
Indra R. Gupta, Research Institute of the McGill University Health Center, Montreal, QC, Canada

1:00pm-3:00pm

**3565 Nephrology: Basic Science**
Vancouver Convention Centre ~ Room West 212-213

Chairs: Jennifer Charlton and Douglas Matsell

Refer to PAS Daily programming for complete details.

3:30pm-5:30pm

**3690 Pulmonary Hypertension**
Vancouver Convention Centre ~ Room West Ballroom B

Chairs: Leif Nelin and Lawrence Rhein

Refer to PAS Daily programming for complete details.

4:15pm-7:30pm

**3800 Posters Session III**
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

**Course #** | **Topic** | **Board #**
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3804 | Chronic Kidney Disease | 131-143
3805 | Dialysis | 144-152
3806 | Transplant | 153-168

Refer to PAS Daily Programming for complete details.

5:00pm-7:00pm

**3925A IPHA General Business Meeting**
Vancouver Convention Centre - West 221

All current IPHA members as well as other interested individuals are invited to join us for discussion of current and upcoming IPHA activities.

**Tuesday, May 6**

7:00am-11:00am

**Poster Session IV**
Vancouver Convention Centre, Hall B/C

Author Attendance: 7:30am–9:30am

8:00am-10:00am

**4210A Peritoneal Dialysis Update: 2014**
ASPN Workshop
Vancouver Convention Centre - West 201

Target Audience: Clinicians interested in ESRD care, Pediatric nephrologists.

Objectives:
- Know how to do and interpret a pet test
- Know how to modify prescriptions for peritoneal dialysis
- Understand the possible impact of SCOPE and IPPN on standards of practice

Co-Leaders: Maury Pinsk, Sandra Iragorri

Peritoneal dialysis remains the most cost effective and commonly used renal dialysis modality (both acutely and chronically) world-wide. Monitoring efficacy and prescription approaches will be reviewed. Updates on North American and world-wide peritoneal dialysis initiatives will be reviewed.

8:00 PD Prescriptions and Updates
Colin T. White

8:30 PET Utilization and Interpretation
Bradley Alan Warady

9:00 The Scope Trial: Update 2014
Joshua Zaritsky

9:30 IPPN Update
Hiren P. Patel

Jointly sponsored by the American Society of Pediatric Nephrology and the Pediatric Academic Societies

9:45am-11:45am

**4470 Nephrotic Syndrome Up to Date**
PAS Topic Symposium
Vancouver Convention Centre - West 212-213

Target Audience: Pediatricians, general pediatricians and pediatric nephrologists.

Objectives:
- To describe and summarize new knowledge on the molecular mechanisms of the development of nephrotic syndrome in children
- To review the data and discuss issues regarding treatments of childhood nephrotic syndrome
- To discuss issues regarding possible future treatments of nephrotic syndrome

Chairs: Frederick Jeffrey Kaskel, Children’s Hospital at Montefiore, Bronx, NY, and Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Idiopathic nephrotic syndrome is the most common chronic glomerular disease in pediatric nephrology practice. Many patients respond well to steroid therapy, but some have steroid-resistant nephrotic syndrome (SRNS), which results in a higher rate of chronic renal failure. Standard treatments are steroid and immunosuppressive agents and achieve remission in most affected children. However, some still show refractory clinical courses. Recently, circulating soluble urokinase receptor was identified as a cause of focal segmental glomerulosclerosis, most common pathologic type of SRNS. Also, it was reported that minimal change nephrotic syndrome may be a CD80 podocytopathy. Rituximab, an anti-CD20 monoclonal antibody, might be effective for some types of refractory nephrotic syndrome in children. And, other well-designed clinical trials are planned for childhood refractory nephrotic syndrome. Therefore, now is the time to review and discuss on molecular mechanisms, treatment strategies and future therapies in childhood nephrotic syndrome.

9:45 The Molecular Mechanisms of the Development of Nephrotic Syndrome in Children
Michelle Nicole Rheault, University of Minnesota, Minneapolis, MN

10:15 Future Therapies for Nephrotic Syndrome
Keisha L. Gibson, University of NC at Chapel Hill, Chapel Hill, NC

10:45 Treatment of Nephrotic Syndrome with Anti-CD20 Monoclonal Antibody
Shuichi Ito, National Center for Child Health and Development, Tokyo, Japan

11:15 Treatments of Childhood Nephrotic Syndrome, Especially, Refractory Nephrotic Syndrome, on the Basis of the Well-Designed Clinical Trial
Kazumoto Iijima, Kobe University Graduate School of Medicine, Kobe, Hyogo, Japan

Jointly sponsored by the American Society of Pediatric Nephrology, Asian Society for Pediatric Research and the Pediatric Academic Societies
12:15pm-2:15pm

4605A Crossing the Immune Barrier
ASPN Topic Symposium
Vancouver Convention Centre - West 212-213

Target Audience: Scientists and clinicians involved in solid organ transplantation.

Objective:
- Realize the immuno-diagnostic testing available for highly sensitized patients

Chairs: Paul C. Grimm, Stanford University Medical Center, Stanford, CA, and Diana Zepeza-Orozco, University of Iowa, Iowa City, IA

Solid organ transplantation has improved the life of many patients. However, understanding the highly sensitized patient and the tools required for diagnosing these states is complex. The potential for ABO incompatible transplants and finding tolerance will be explored in this session

12:15 Immuno-Diagnostics: Understanding the Cross-Match and Antigens
Paul C. Grimm, Stanford University Medical Center, Stanford, CA

12:40 The Highly Sensitized Patient: Option to Move Them Closer to Successful Transplantation
Diana Zepeza-Orozco, University of Iowa, Iowa City, IA

1:05 ABO Incompatibility and Renal Transplantation
Robert B. Ettinger, UCLA Medical Ctr., Los Angeles, CA

1:30 Finding Tolerance: Advances in Pediatric Renal Transplantation
Jens Goebel, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

12:30pm-2:30pm

4725 Neonatal Sepsis: A Global Challenge
PAS Topic Symposium
Vancouver Convention Centre – West Ballroom C

Target Audience: This symposium will appeal to a vast audience of clinicians, basic scientists and public health decision-makers, including neonatologists, immunologists, pediatricians and neurologists) who are directly or indirectly involved in the care of neonates.

Objectives:
- To understand the global health impact of sepsis in neonates
- To learn about the latest research on the developing immune system and how it affects neonates’ vulnerability to infection
- To review current and future therapeutic approaches in prevention of neonatal sepsis

Chairs: Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia, and Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

Neonatal sepsis represents a global health challenge. In preterm neonates, morbidities due to infections are on the rise despite advances in medical care, due to the increased survival of more vulnerable infants. This session will provide an overview of neonatal sepsis as a major, global challenge (Dr. Strunk), a review of the development of immunity before (Dr. Lavoie) and beyond (Dr. Kollmann) the term of gestation, of the health impact of sepsis in extremely preterm infants (Dr. Stoll), as well as existing and emerging therapeutic interventions (Dr. Levy).

12:30 Neonatal Sepsis and Prematurity, Global Challenges
Tobias Strunk, Neonatal Clinical Care Unit, Perth, WA, Australia

12:40 Immunological Factors Predisposing Preterm Infants to Infection
Pascal M. Lavoie, University of British Columbia, Vancouver, BC, Canada

1:05 Developmental Immunity: The Pivotal First Years of Life
Tobias Kollmann, University of British Columbia, University of British Columbia, Vancouver, BC, Canada

1:30 Current and Emerging Approaches to Prevent and Treat Newborn Infection
Ofer Levy, Boston Children’s Hospital, Boston, MA

1:55 Improving Health Outcomes of Neonatal Infection: Challenges and Opportunities
Ira S. Adams-Chapman, Emory University School of Medicine, Atlanta, GA

2:20 Discussion

Jointly sponsored by the Academic Pediatric Association, American Academy of Pediatrics, American Pediatric Society, American Society of Pediatric Nephrology, Asian Society for Pediatric Research, Pediatric Infectious Diseases Society and the Pediatric Academic Societies

Visit the International Pediatric Hypertension Association at www.pediatrichypertension.org

www.pas-meeting.org
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<th>Day</th>
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<td><strong>FRIDAY, MAY 2</strong></td>
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<td>7:00pm-9:00pm</td>
<td>PES President’s Poster Reception</td>
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<td><strong>SATURDAY, MAY 3</strong></td>
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<td>7:00am-8:00am</td>
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<td>Business Meeting</td>
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<td>Lawson Wilkins Lecture</td>
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<td>Poster Session I &amp; PAS Opening Reception</td>
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<td>Adrenarche: An Update on Physiology and Pathologic Considerations (cosponsor SAHM)</td>
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<td>Practice Management: “Challenges to Traditional Management of Pediatric Endocrinology – Session 1”</td>
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<td>PES Ethics Symposium : Manipulation of the sex steroid milieu to alter height in adolescence: show us the data</td>
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<td><strong>MONDAY, MAY 5</strong></td>
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<td>7:00am-8:00am</td>
<td>PES Workshop</td>
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<td>D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes</td>
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<td>PPC Legislative Breakfast</td>
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<td>Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding</td>
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<td>8:00am-12:30pm</td>
<td>Original Science Abstracts</td>
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<td>Poster Session II</td>
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<td>Endocrinology Posters II</td>
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Join us in Vancouver, where the Pediatric Endocrine Society (PES) and the Pediatric Academic Societies (PAS) will host tightly aligned annual meetings. PES programming will be held at the Vancouver Convention Centre and includes the plenary, mini symposia, business meeting, presentations by award winners, fellows’ seminar, and original science presentations.

Registration Information
There will be a single registration fee for the PES/PAS meeting set at the PAS registration fee schedule. This fee allows participants to attend all PES and PAS functions.

Continuing Education
Continuing Education Credit is available through the PAS. See page 385 for complete information.

Friday, May 2

7:00pm-9:00pm
0575A PES President’s Poster Reception
Sheraton Vancouver Wall Centre - Grand Ballroom A-B + Passage

Saturday, May 3

7:00am-8:00am
1050A Practice Management: Challenges to Traditional Management of Pediatric Endocrinology – Session 1
PES Practice Workshop
Vancouver Convention Centre - West 223-224
Impact of change on Academic Health Centers (AHCs), Clinical centers (CCs), and Private Practice (PP)  William B. Zipf MD. The efforts to control cost of medical care by government and private payers will have an impact on the traditional flow of resources to medical providers in all categories. The functions those resources have traditionally supported beyond provision of care include research, education and community support. These areas will thus be in jeopardy. It is essential that physicians at all levels of care delivery and management be knowledgeable of these changes. Keys to creating the “highly efficient practice”: Doing More with Less- Increased RVUs and maintenance of quality care in the age of ACA”  Paul Thorton MD Starting from the background of normative data on compensation and production and then moving to an example of high level of each, the audience will gain insight into various strategies that should be applicable to his/her clinical setting.
Panel Discussion with Q&A.

7:00 Impact of Change on Academic Health Centers (AHCs), Clinical Centers (CCs), and Private Practice (PP)  William B. Zipf, Central Ohio Pediatric Endocrinology & Diabetes Services, Columbus, OH

7:20 Keys to Creating the “Highly Efficient Practice”: Doing More with Less- Increased RVUs and Maintenance of Quality Care in the Age of ACA  Paul S. Thornton, Cook Children’s Medical Center, Fort Worth, TX

7:00am-8:00am
1055A Precocious Puberty
PES Meet the Professor
Vancouver Convention Centre - West 220
Mark R. Palmert, University of Toronto, Toronto, ON, Canada

8:00am-11:00am
1225A PES Plenary Session I, Business Meeting and Debate
PES Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Pediatric Endocrine Society members and other interested individuals.
Objectives:
- Understand the different approaches to the prepubertal gender non-conforming child
- Understand the management techniques of the different approaches
Chairs: Morey W. Haymond, Baylor College of Medicine, Houston, TX
8:00 Pediatric Endocrine Society Business Meeting
Morey W. Haymond, Baylor College of Medicine, Houston
9:55 Lawson Wilkins Lecture Introduction
Morey W. Haymond, Baylor College of Medicine, Houston, TX
9:25 Lawson Wilkins Lecture: Translating Basic Mechanisms to Therapy in the Skeletal Dysplasias
Brendan Lee, MD, PhD, Professor, Baylor College of Medicine, Houston, TX

Jointly sponsored by the Pediatric Endocrine Society and the Pediatric Academic Societies

1:00pm - 4:00pm
Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C
Author Availability for Viewing: 1:00pm – 4:00pm
Author Attendance and Opening Reception: 1:15pm – 2:30pm

1:15pm - 2:30pm
Course # Topic Board #
1515 Diabetes / Hypoglycemia / Pancreatic Development 169-181
1516 Type 1 Diabetes 182-212

Refer to PAS Daily Programming for complete details.

2:45pm - 4:45pm
1600A Adrenarche: An Update on Physiology and Pathologic Considerations
PES Topic Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Pediatric Endocrinologists, Neonatologists, General Pediatricians, Adolescent Medicine Specialists, and Basic Scientists.
Objectives:
- Review molecular biology, biochemistry, and physiology involved in the maturation of the adrenal gland
- Understand the clinical distinctions between “benign” and “worrisome” premature adrenarche
- Discuss whether children with premature adrenarche should receive long-term follow-up and, if so, how should they be followed

www.pas-meeting.org
Adrenarche is the maturation of the adrenal zona reticularis resulting in the development of pubic and axillary hair and acropineous body odor. Originally thought to be a benign variant of normal physical development (and referred to as benign premature adrenarche), it is now known that some children with premature adrenarche may have a history of intrauterine growth restriction, and premature adrenarche may be associated with obesity, insulin resistance, development of the metabolic syndrome and polycystic ovary syndrome. This symposium will review current theories about the development of adrenarche, the basis of the premature variant, and how to evaluate, manage, and follow children with premature adrenarche.

2:45 Clinical Aspects of Premature Adrenarche: When Is It Not Benign? How Should Children with Premature Adrenarche Be Managed?  
Sharon E. Oberfield, Babies & Children's Hospital, New York, NY

3:15 Pathogenesis of Premature Adrenarche: The Prevaling View: Factors That Affect Adrenal 17α-Hydroxylase/17,20-Lyase (CYP17, P450c17) Activity  
Walter L. Miller, University of California, San Francisco, San Francisco, CA

3:45 Role of Intra-Adrenal Cortisol in Regulating Adrenarche: Physiologic and Pathophysiologic Aspects  
Joseph A. Majzoub, Harvard/Children's Hospital, Boston, MA

4:15 Discussion

2:45pm-4:45pm

1615 Ethics in the Conduct of Clinical/Basic Research  
PAS Topic Symposium  
Vancouver Convention Centre - West Ballroom A

Target Audience: Academic researchers at all stages of career and practice and across all disciplines within pediatrics.

Objectives:
- To understand the ethical issues regarding conduct research in pediatric patients, including neonates
- To understand comparative effectiveness research and waiver of consent for “emergency” research
- Articulate how social media impacts practice change and confidentiality concerning conduct of research

Chair: Seetha Shankaran, Children's Hospital of Michigan, Detroit, MI

This session will examine the impact of social media on practice changes in the conduct of research. The public/parental perceptions on the conduct of clinical research in pediatric patients will be discussed. The pros, cons, and risks of conducting research in today's environment will be presented. How to maintain confidentiality in the environment of social media and technology advances will be explored. The experience from trials will be reviewed and the recent public discussions regarding a multicenter neonatal study (SUPPORT) will be analyzed. The ethical aspects of conduct of research, both for new therapies compared to standard of care as well as comparative effectiveness research and waiver of consent for emergency/imminent research needs will be explored. The regulatory oversight of research, both at the governmental and local institutional level, will be presented along with the need for changes. A vigorous interactive audience participation is anticipated.

2:50 Background for This Session: The SUPPORT Study  
Carl T. D'Angio, University of Rochester, Rochester, NY

3:00 How Social Media and Public Discussion Impacts Conduct of Clinical Trials  
Robin H. Steinhorn, UC Davis Children’s Hospital, Sacramento, CA

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy  
John D. Lantos, Children’s Mercy Hosp and University of Missouri Kansas City, MO

3:50 Comparative Effectiveness Research, New Therapies and Waiver of Consent  
Jonathan M. Fanianoff, Rainbow Babies & Children's Hospital, Cleveland, OH

4:35 Discussion

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies
Only in this way will the physician know what they do and do not have
influence over. They equally need to understand what others in the system
have control over that ultimately influence they resources they have.

Panel Discussion with Q&A.

7:00  The Effects of the ACA on the Practice and Office of the Pediatric
Endocrinologist
William B. Zipf, Central Ohio Pediatric Endocrinology & Diabetes
Services, Columbus, OH

7:20  Empowering the Pediatric Endocrinologist: The Essential Vocabulary
Mark W. Parker, Carolinas HealthCare System, Charlotte, NC

8:00am-10:00am

2080A  Transitioning from Fellowship – Dollars and Sense
PES Practice Workshop
Vancouver Convention Centre - West 221
Lynne L. Levitsky, Harvard Medical School, Boston, MA

2115A  PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data
PES Symposium
Vancouver Convention Centre - West 301-305

Chairs: Wilma Rossi Children’s Hospital of Philadelphia, Philadelphia, PA,
and Radha Nandagopal Kensington, Children’s National Medical Center,
Washington DC

Target Audience: Endocrinologists, general pediatrics.

Objectives:
- Discuss data behind the effectiveness of GnRH agonist therapy for
short stature
- Understand the clinical rationale and setting for using sex steroid therapy in
short statured children
- Debate the merits and risks of using aromatase inhibitors in a short
statured child

Pharmacologic strategies to augment height outcomes in the adolescent popula-
tion remains a controversial area. Androgens, estrogens, aromatase inhibitors
and GnRH agonists are being prescribed, often with limited published data, to
alter the normal hormonal milieu in adolescents with a goal of either limiting
or enhancing adult height. This symposium will explore the available data on
the safety, cost, and effectiveness of these therapies.

8:00  Oxandrolone, Testosterone and Estrogens: The Short and the Long.
Alan D. Rogol, University of Virginia, Charlottesville, VA

8:35  GnRH Analogs: Beyond Precocious Puberty
Erica Eugster, Riley Children’s Hospital, Indianapolis, IN

9:10  Aromatase Inhibitors: Estrogen Suppression in Adolescent Males - A
Current Review of Efficacy and Safety
Nelly Mauras, Nemours Children’s Clinic, Jacksonville, FL

9:40  Panel Discussion

8:00am-10:00am

2170  Obesity & Disordered Eating I
Platform – Vancouver Convention Centre - Room West 220

Chairs: Rachel Gross and John Rausch

Refer to PAS daily programming for complete details.

10:15am-11:45am

2300  APS Presidential Plenary and Awards
Vancouver Convention Centre - West Ballroom B

10:30am-12:30pm

2350  Endocrinology I: Basic
Platform - Vancouver Convention Centre - Room West 301-305

Chairs: Yee-Ming Chan and Robert Couch

Refer to PAS daily programming for complete details.

12:30pm-4:00pm

2600  AAP Presidential Plenary and Annual Silverman Lecture
Vancouver Convention Centre – West Ballroom B

1:00pm-3:00pm

2665  New Concepts in Beta Cell Biology
PAS State of the Art Plenary
Vancouver Convention Centre – West 306

Chairs: Maureen An-Ping Su, UNC Chapel Hill, Chapel Hill, NC, and
Patricia M. Vuguin, Cohen Children’s Hospital, Lake Success, NY

Target Audience: Academic general pediatrics, pediatric endocrinologists,
pediatric gastroenterologists

Objectives:
- Understand recent breakthroughs in genetic causes of beta cell dysfunction.
- Understand recent development in trophic factors important in beta
cell regeneration.
- Understand the state-of-the-art in islet transplantation/replacement.

Understanding beta cell biology is key for preventing and treating a number
diseases, including Type 1 and Type II Diabetes Mellitus, maturity onset
diabetes of the young (MODY), neonatal hyperinsulinism, neonatal diabetes,
and insulinomas. Recently, major advances have been made in our understanding
of beta cell development, regeneration, and function. This symposium will
provide updates on recent developments in key areas of beta cell biology and
transplantation as they relate to pediatric diseases.

1:00  Islet Cell Transplantation for Type 1 Diabetes Mellitus
Peter Stock, University of California, San Francisco, San Francisco, CA

1:30  Can an Endogenous Source Be Used for Beta Cell Replacement
Therapy for Diabetes?
Susan Bonner-Weir, Harvard Stem Cell Institute/Joslin Diabetes
Center, Boston, MA

2:00  The Role of Aging in Beta Cell Regeneration
Jake A. Kushner, Baylor College of Medicine, Houston, TX

2:30  Making Islet Cells from Stem Cells to Treat Diabetes
Timothy J. Kieffer, University of British Columbia, Vancouver, BC, Canada

1:00pm-3:00pm

2680A  Pediatric Bone Disease – Beyond the Bare Bones
PES Topic Symposium
Vancouver Convention Centre – West 301-305

Target Audience: Clinical and academic general pediatricians and
pediatric endocrinologists, adolescent medicine specialists, geneticists,
nephrologists, pulmonologists, rheumatologists, rehabilitation medicine
specialists, and oncologists.

Objectives:
- Discuss appropriate assessment of bone disease and treatment options in
childhood osteoporosis and in childhood overgrowth syndromes
- Recall the effects of chronic disease and glucocorticoids on pediatric bone health
- Explain the role of bisphosphonate and enzyme replacement therapy in the
  treatment of pediatric bone disease
Pediatric endocrine societies

Chairs: Laura K. Bachrach, Stanford University School of Medicine, Stanford, CA, and Seth D. Marks, University of Manitoba and Winnipeg Children’s Hospital, Winnipeg, MB, Canada

Pediatric bone health is an evolving area of pediatric care with patients presenting regularly to general and subspecialty pediatricians’ offices. Children’s bone health can be affected by inherited bone disorders, chronic disease, and medications such as glucocorticoids. The diagnosis, treatment, and outcome of children with bone disease is a controversial and continually evolving field. This symposium will address updates in our understanding of selected genetic syndromes with bone involvement, effects of chronic disease and glucocorticoids on bone, bisphosphonate therapy in children, and the promise of bone targeted enzyme replacement therapy.

1:00 Bone Mass Effects and Fracture Risk in Children Receiving Glucocorticoid Therapy – STOPP-CIS (Steroid-Induced Osteoporosis in the Pediatric Population – Canadian Incidence Study)
Leanne Marie Ward, Department of Pediatrics, Ottawa, ON, Canada

1:30 Bisphosphonate Therapy in Children – In Osteogenesis Imperfecta and Beyond?
Frank Rauch, McGill University, Montreal, QC, Canada

2:00 Hypophosphatasia – Enzyme Replacement Therapy Changing the Outcome of a Life Threatening Pediatric Bone Disease
Cheryl R. Greenberg, Children’s Hospital, Winnipeg, MB, Canada

2:30 Overgrowth Syndromes with Skeletal Involvements
Keiichi Ozono, Osaka University, Graduate School of Medicine, Suita, Osaka, Japan

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

3:30pm-5:30pm

2780 Adrenal Function in the Preterm and Sick Term Neonate: Reliability of Assessment and Effects of Treatment
PAS Topic Symposium
Vancouver Convention Centre - West 220

Target Audience: This topic symposium will be of great interest to practicing Neonatologists, Pediatric Endocrinologists and Pediatric Intensivists who are asked to evaluate infants with possible adrenal insufficiency since there are no clear diagnostic criteria for this life-threatening clinical condition.

Objectives:
- Review development of fetal HPA axis, adrenal gland and discuss molecular effects of glucocorticoids during gestation
- Summarize current methods of assessment of adrenal function testing, their accuracy, and rationale behind ACTH dose used in stimulation testing
- Discuss benefits and adverse effects of glucocorticoid replacement therapy in neonates

Chairs: David Langdon, Children’s Hospital of Philadelphia Division of Endocrinology and Diabetes, Philadelphia, PA, and Prem S. Shekhawat, MetroHealth Hospital, Case Western Reserve University, Cleveland, Ohio

Adrenal insufficiency is presumed frequently in preterm neonates and sick, term neonates. However, the accuracy and utility of current methods of evaluation of the HPA axis in these children have not been clearly established. This symposium will review the “state-of-science” of our understanding of the physiology and pathophysiology of adrenal function in neonates and discuss limitations of currently available adrenal function tests. The scientific basis for glucocorticoid replacement in infants diagnosed with transient or persistent adrenal failure and side effects of long-term glucocorticoid use in the preterm neonate will be addressed.

3:30 Overview: Adrenal function and its impact on Neonatal Outcomes
Prem S. Shekhawat, MetroHealth Hospital, Case Western Reserve University, Cleveland, Ohio

3:45 Development of Fetal HPA Axis and Effect of Preterm Birth on Adrenal Function
Louis Joseph Muglia, Cincinnati Children’s, Cincinnati, OH

4:20 Evaluation of the HPA Axis in the Neonate: Stimulation Tests and Beyond
Patricia A. Donohoue, Medical College of Wisconsin, Milwaukee, WI

4:55 Glucocorticoid Replacement in Infants with Transient or Persistent Adrenal Failure
Kristi L. Watterberg, University of New Mexico Health Sciences Center, Albuquerque, NM

3:30pm-5:30pm

2805 The Challenges of Adherence in Adolescents with Chronic Medical Disease
PAS Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, pulmonologists, adolescent medicine specialists and any physicians managing children with chronic medical problems.

Objectives:
- Understand the frequency of incomplete adherence in different adolescent populations
- Discuss the process of human centered design thinking and creating tools for adherence in adolescents with diabetes
- Identify and be able to use strategies to improve adherence

Chairs: Michael J. Tansey, University of Iowa, Iowa City, IA, and Neil H. White, Washington University in St. Louis, St. Louis, MO

Non-adherence in adolescents with chronic medical problems leads to increased morbidity and mortality. Recognizing the frequency of non-adherence and proactively managing can help improve the quality of healthcare provided to children and adolescents and ultimately lead to better outcomes. This symposium explores the factors and costs associated with poor adolescent adherence to prescribed medical therapies, and describes innovative strategies that target this important problem.

3:30 Factors Associated with Non-Adherence in Adolescence
Tim Wysocki, Nemours Children’s Health System, Jacksonville, FL

4:00 Design Thinking for Creating Adherence Interventions in Adolescents
Joyce M. Lee, University of Michigan, Ann Arbor, MI

4:30 Increasing Family Involvement to Reduce Non-Adherence
Lori M.B. Laffel, Joslin Diabetes Center, Boston, MA

5:00 The Use of Technology to Improve Compliance in Adolescents with Chronic Medical Conditions
Patrick Brophy, University of Iowa Children’s Hospital, Iowa City, IA

3:30pm – 5:30pm

2865 Obesity & Disordered Eating II
Platform – Vancouver Convention Centre – Room West 214

Chairs: Jeannie Huang and Maria Vogiatzi

Refer to PAS daily programming for complete details.
Monday, May 5

7:00am-8:00am

3040A  D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes

PES Workshop

Vancouver Convention Centre - West 301-305

Co-Leaders: Maria G. Vogiatzi and Philip Scott Zeitler

This workshop will present a synopsis of the PES Drugs and Therapeutics Committee’s work in two important clinical areas: Use of hemoglobin A1c test in the diagnosis of type 2 diabetes in children and; vitamin D toxicity in children.

7:00am - 8:00am

3050A  Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding

PPC Hot Topic

Vancouver Convention Centre - West 111-112

Chairs: Richard Lee Bucciarelli, University of Florida, Gainesville, FL and Scott Denne, Indiana University, Indianapolis, IN

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and from non-profit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

Speakers: Charles Thompson, Pfizer; Ron Portman, Bristol-Myers Squibb; Shale Wong, Robert Wood Johnson Foundation

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

7:00  Introduction

Scott Denne, MD, FAAP
Professor of Pediatrics, Indiana University

7:05  Pediatric Innovation: Partners in Progress

Charles Thompson, MD, FAAP, Pfizer
Ron Portman, MD, FAAP, Pfizer
Shale Wong, MD, FAAP, Robert Wood Johnson Foundation

7:25  Foundation Funding - A Viable Option

Shale Wong, MD, FAAP, Robert Wood Johnson Foundation

7:35  Discussion

8:00am-10:00am

3130  Newly Discovered Disorders of the HPT Axis and Thyroid Hormone Action

PAS Topic Symposium

Vancouver Convention Centre - West 306

Target Audience: Pediatric Endocrinologists, Pediatric Geneticists, General Pediatricians, and Basic Scientists.

Objectives:

- Understand the genetics of congenital hypothyroidism
- Understand the pathophysiology and clinical phenotype of the recently found disorders of the HPT axis and thyroid hormone action
- Apply the knowledge to improve our ability to diagnose and treat infants and children with congenital hypothyroidism

Chairs: Toshihiro Tajima, Hokkaido University School of Medicine, Sapporo, Hokkaido, Japan, and Rosalind S. Brown, Boston Children’s Hospital, Boston, MA

Elucidation of the molecular bases of diseases that disrupt thyroid hormone regulation/signaling have been instrumental in broadening our understanding of normal development and physiology. Recent advances in this field have shed light on how the integrated action of multiple factors in the target cell govern specific responses to thyroid hormone in different tissues. Another rare condition, congenital central hypothyroidism has also been continuously explored. In this symposium, we will present some of the most recent findings in congenital hypothyroidism have changed the way we view thyroid hormone biology and pathophysiology.

8:00  Congenital Central Hypothyroidism Due to Mutations in IGSF1

Toshihiro Tajima, Hokkaido University School of Medicine, Sapporo, Hokkaido, Japan

8:30  Consequences of Thyroid Hormone Transporter Deficiencies

Noriyuki Namba, Osaka University Graduate School of Medicine, Suita, Osaka, Japan

9:00  Resistance to Thyroid Hormone Mediated by Defective Thyroid Hormone Receptor alpha

Krishna Chatterjee, Addenbrooke’s Hospital, University of Cambridge, Cambridge, United Kingdom

9:30  The Clinical Diversity of Inherited Partial SBF2 Deficiency

Alexandra M. Dumitrescu, University of Chicago, Chicago, IL

Jointly sponsored by the Asian Society for Pediatric Research, Pediatric Endocrine Society and the Pediatric Academic Societies
10:30am-12:30pm

3360A PES Presidential Lecture and Plenary Session II
PES Symposium
Vancouver Convention Centre – West 301-305

Morey W. Haymond
President
Pediatric Endocrine Society

Chair: Mitch Geffner, MD, Children’s Hospital Los Angeles, CA

10:30 Clinical Scholar Awardee Introduction
Mitch Geffner, MD, Children’s Hospital Los Angeles, CA

10:35 Clinical Scholar Award: Insights from Genomic Investigations of Short Stature
Andrew Dauber MD, MMSc, Division of Endocrinology, Boston Children’s Hospital, MA

10:45 PES Presidential Lecture: What We Know Standing on the Shoulders of Giants
Morey W. Haymond, Baylor College of Medicine, Houston, TX

11:30 Introduction: Pinchas Cohen, MD, David Geffen School of Medicine at UCLA, Los Angeles, CA

Judson J. Van Wyk Award Presentation
Ron Rosenfeld, MD, Lucile Packard Foundation For Children’s Health, Palo Alto, CA

11:45 Robert M. Blizzard Lecture Introduction
Mitch E. Geffner, MD, Children’s Hospital Los Angeles, CA

11:50 Robert M. Blizzard Lecture
Thomas P. Foley, Jr., MD, University of Pittsburgh, Children’s Hospital of Pittsburgh, Pittsburgh, PA

1:00pm–3:00pm

3500A Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology
MOD Award Symposium
Vancouver Convention Centre – East Ballroom A

1:00pm–3:00pm

3505 Beans and Bones: FGF-23 in Metabolic Bone Disease
PAS Topic Symposium
Vancouver Convention Centre – West 211

Target Audience: Pediatric Nephrologists, geneticists, endocrinologists and translational investigators.

Objectives:
- Become familiar with how FGF23 regulates phosphorus in the kidney
- Identify the salient components of the role FGF23 plays in skeletal physiology and vascular disease
- Update FGF23 regulation in metabolic bone diseases, including in endocrine and chronic kidney conditions

Chairs: Anthony A. Portale, University of California San Francisco, San Francisco, CA, and Rachel I. Gafni, National Institutes of Health, Bethesda, MD

FGF-23 has joined Vitamin D and PTH as a key hormone in the regulation of metabolic bone disorder. As chronic kidney disease worsens, these hormones impact bone mineralization and vascular disease. This session will highlight the basic science and clinical activity of FGF23 and explore how an understanding of its regulation may impact treatment options for metabolic bone diseases including MBD-CKD.

1:00 FGF-23: The Assay and Overview
Rachel I. Gafni, National Institutes of Health, Bethesda, MD

1:15 FGF23 and the Regulation of Phosphorus by the Kidney
Farzana Perwad, UCSF, San Francisco, CA

1:40 FGF23 Activity in Bone Metabolism and Vascular Biology
Katherine Wesseling, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:05 FGF23 in Metabolic Bone Disease of Endocrine Origin
Erik A. Imel, Indiana University School of Medicine and Riley Children’s Hospital, Indianapolis, IN

2:30 FGF23 in the Clinical Management of CKD-MBD
Mary B. Leonard, The Children’s Hospital of Philadelphia, Philadelphia, PA

Jointly sponsored by the American Society of Pediatric Nephrology, Pediatric Endocrine Society, Society for Pediatric Research, Pediatric Endocrine Society and the Pediatric Academic Societies

1:00pm–3:00pm

3545 Endocrinology II: Clinical Platform – Vancouver Convention Centre – Room West 301-305

Chairs: Carla Demeterco-Berggren and Nancie MacIver

Refer to PAS daily programming for complete details.

1:30pm-5:15pm

3600 Academic Pediatric Association Presidential Plenary and Armstrong Lecture
Vancouver Convention Centre – West Ballroom A

David Keller
President
Academic Pediatric Association

Moderator: Mark Schuster, President Elect, Academic Pediatric Association, Harvard Medical School, Boston Children's Hospital, Boston, MA

1:30 Highest Cost Patients In Children's Hospitals In 2009: Where Are They Now? Alon Peltz, David Rubin, John Neff, Mark Brittan, Matt Hall, Kenneth Mandl, Eyal Cohen, David Hall, Dennis Kuo, Rishi Agrawal, and Jay Berry.

1:45 Texting, Talking, and Driving: An Observational Survey of Cellular Phone Use among Drivers Beth E. Ebel, Annie P. Kirk, Amy Freedheim, Laura Hitchcock, Laura Blanar, Jennifer D. Maeser, Qian Qiu, and Robert Kaufman

2:00 Neighborhood Housing Code Violation Density is Associated with a Patient's Risk of Asthma Reutilization Andrew F. Beck, Bin Huang and Robert S. Kahn.

President's Address: Policy, Politics and Procedure: Our Role in Building Systems that Improve the Health of Children

David Keller, President, Academic Pediatric Association, Professor, Department of Pediatrics, University of Colorado School of Medicine, Vice Chair of Clinical Affairs and Clinical Transformation, Children’s Hospital Colorado, Aurora, CO

3:00 Break

3:15 APA Health Care Delivery Award: Presented by Jane Knapp to The Department of Pediatrics at Boston Medical Center/Boston University School of Medicine. Program Director, Barry Zuckerman.

3:30 APA Research Award: Presented by Cynthia Minkovitz to Alejandro Haberman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine

3:45 Violent Deaths in Children: Opportunities for Prevention at a Children's Hospital Terra Frazier, Denise Dowd, Monica Nielsen, and James Anderst

4:00 The I-PASS Handoff Study: Effects of Implementing a Multi-site Handoff Bundle on Rates of Medical Errors, Preventable Adverse Events, and Miscommunications Amy Starmer and I-PASS Group

4:15 Can Brief Motivational Interviewing in Practice Reduce Child Body Mass Index? Results of a 2-year Randomized Controlled Trial K. Resnicow

4:30 Addressing the Social Determinants of Health at Well-Child Care Visits: A Cluster RCT Arvin Garg, Sarah Toy, Yorghos Tripodis, and Elmer Freeman

4:45 Armstrong Lecture: OUTSIDE LOOKING IN, INSIDE LOOKING OUT: Expanding the concept of health Karen Heit, MD, Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth, Member, Vermont Green Mountain Care Board

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

3:30 RET Revisited: Diagnosis, Prognosis and Therapeutic Targeting in an Expanding Oncogenic Portfolio Louis Mulligan

4:10 The Phenotypic Array of Menin Mutations: Implications for Screening and Treatment Karel Pacak, NIH, Bethesda, MD

4:50 Multiple Endocrine Tumor Syndromes beyond MEN Maya Lodish, NICHD, NIH, Bethesda, MD

3:30pm-5:30pm

3615A Advances in Recognition and Management of Multiple Endocrine Neoplasia

PES Topic Symposium
Vancouver Convention Centre - West 212-213

Target Audience: Academic general pediatrics, pediatric endocrinologists, pediatric oncologists.

Objectives:
- Understand recent advancements in RET genetics and implications for management as part of MEN2
- Understand current recommendations for screening, monitoring, and treatment of MEN1
- Recall rare endocrine neoplasias that exist beyond classic MEN syndromes

Chairs: Kurt Joseph Griffin, Sanford Health, Sioux Falls, SD, and Steven G. Waguespack, University of Texas M.D. Anderson Cancer Center, Houston, TX

Advances in genetic diagnosis and understanding has brought increased recognition of the spectrum of disease observed in multiple endocrine neoplasia syndromes. Providers need to be aware of advances in screening criteria and testing protocols along with treatment considerations for these rare yet potentially lethal diagnoses. This symposium will update the various components of these syndromes with an emphasis on the implications of increased genotype-phenotype correlations, whom and when to screen, and monitoring of children with known mutations.

3:00 Break

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Tuesday, May 6

7:00am - 11:00am

**Poster Session IV**
Vancouver Convention Centre, Hall B/C

Author Attendance: 7:30am - 9:30am
Refer to PAS Daily Programming for complete details

**COMMITTEES**

**Thursday, May 1**

8:00am - 5:00am

**PES Board of Directors Meeting**
Sheraton Vancouver Wall Centre - Azure

**Friday, May 2**

8:00am - 10:00am

**PES Drug and Therapeutic Committee Meeting**
Sheraton Vancouver Wall Centre - Finback

**PES History Committee**
Sheraton Vancouver Wall Centre - Vancouver

**PES Program Directors Meeting**
Sheraton Vancouver Wall Centre - Junior Ballroom C

**PES Public Policy Council Meeting**
Sheraton Vancouver Wall Centre - Hudson

**PES Board of Directors Meeting**
Sheraton Vancouver Wall Centre - Azure

**PES Obesity Committee**
Sheraton Vancouver Wall Centre - Port McNeill

**PES Research Affairs**
Sheraton Vancouver Wall Centre - Vancouver

9:00am - 12:00pm

**MOCE**
Sheraton Vancouver Wall Centre - Columbia

10:00am - 12:00pm

**PES Education Council Meeting**
Sheraton Vancouver Wall Centre - Beluga

**PES Program Committee Meeting**
Sheraton Vancouver Wall Centre - Port Alberni

**PES Training Council**
Sheraton Vancouver Wall Centre - Burrard

12:00pm - 1:00pm

**PES Board and Chairs Lunch**
Sheraton Vancouver Wall Centre - Orca

1:00pm - 3:00pm

**PES Board and Committee Chairs**
Sheraton Vancouver Wall Centre - Granville

1:00pm - 5:00pm

**Adolescent PCOS consensus**
Sheraton Vancouver Wall Centre - Columbia

3:00pm - 5:00pm

**PES International Relations council**
Sheraton Vancouver Wall Centre - Blue Whale

**PES Practice Management**
Sheraton Vancouver Wall Centre - Blue Whale

4:00pm - 6:00pm

**PES Ethics Committee**
Sheraton Vancouver Wall Centre - Burrard

6:00pm - 7:00pm

**Fellows Meet and Greet**
Sheraton Vancouver Wall Centre - Parksville

**Saturday, May 3**

12:30pm - 1:30pm

**PES Past Officer’s Luncheon**
Pan Pacific Vancouver - Oceanview 8

5:00pm - 7:00pm

**PES MOCE Part 2**
Sheraton Vancouver Wall Centre - Pavilion Ballroom C

7:00pm - 10:00pm

**Pediatric Endocrine Society (PES) Speakers’ Dinner**
Offsite

**Sunday, May 4**

11:00am - 1:00pm

**PES: Fellows lunch**
Pan Pacific Vancouver - Oceanview 8

Visit the
PEdiatric ENDOCRINE SOCIETY
at www.pedsendo.org

Contact for PES information:
Maureen Thompson
PES Director
6728 Old McLean Village
McLean, VA 22101
Phone: 703-556-9225
Email: info@pedsendo.org
URL: www.pedsendo.org
# Pediatric Infectious Diseases Society

**May 2 - May 6, 2014**  
Vancouver Convention Centre  
Vancouver, BC, Canada

### SATURDAY, MAY 3

<table>
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<th>Time</th>
<th>Event</th>
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| 8:00am-10:00am | **Invited Science**  
1. Humanized Mouse Models for Studying Disease (cosponsor ASPR)  
2. ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform |
| 10:15am-11:45am | **APS Presidential Plenary and Awards**  
**Invited Science**  
1. Emerging and Re-Emerging Pathogens in Pediatrics: Are We Prepared?  
2. Neonatal Infections |
| 1:15pm-2:30pm | **Poster Session I and PAS Opening Reception**  
**Invited Science**  
1. Congenital and Perinatal Infections: Current Concepts and Updates |
| 5:00pm-6:30pm | **PAS/ASPR Opening General Session**  
1. Keynote Address  
2. Joseph St. Geme Leadership Award |

### SUNDAY, MAY 4

<table>
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| 7:00am-8:00am | **Meet the Professor Breakfast Session**  
Octavio Ramilo, The Ohio State University, Nationwide Children’s Hospital, Columbus, Ohio |
| 10:30am-12:30pm | **Invited Science**  
1. Emerging and Re-Emerging Pathogens in Pediatrics: Are We Prepared?  
2. Neonatal Infections |
| 12:30pm-4:00pm | **AAP Presidential Plenary and Silverman Lecture**  
**Invited Science**  
1. New Developments and Controversies in Tick-Borne Diseases |
| 1:00pm-3:00pm | **Invited Science**  
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| 3:30pm-5:30pm | **Invited Science**  
1. The Human Microbiome: A New Vista on Childhood Biology  
2. The Challenges of Adherence in Adolescents with Chronic Medical Disease |
| 5:45pm-7:30pm | **Poster Session II**  
**Invited Science**  
1. Maternal - Fetal Interface: Balancing Fetal Tolerance and Pathogen Defense (cosponsor MOD)  
2. Immunization: Challenges and New Approaches (cosponsor SAHM) |

### MONDAY, MAY 5

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<th>Time</th>
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| 7:00am-8:00am | **PPC Legislative Breakfast**  
1. Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding |
| 10:15am-12:15pm | **SPR Presidential Plenary and Awards**  
**Invited Science**  
1. Pediatric Infectious Diseases Guidelines: Issues and Controversies  
2. Neonatal Host Defense  
3. MOD Basil O’Connor Scholar Presentations |
| 12:30pm-2:30pm | **Invited Science**  
1. Neonatal Sepsis: A Global Challenge  
2. Emerging and Re-Emerging Infectious Diseases in Asia and Beyond (cosponsor ASPN) |

### TUESDAY, MAY 6

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| 7:30am-9:30am | **Invited Science**  
1. Maternal - Fetal Interface: Balancing Fetal Tolerance and Pathogen Defense (cosponsor MOD)  
2. Immunization: Challenges and New Approaches (cosponsor SAHM) |
| 10:30am-12:30pm | **Invited Science**  
1. Neonatal Sepsis: A Global Challenge  
2. Emerging and Re-Emerging Infectious Diseases in Asia and Beyond (cosponsor ASPN) |
The Pediatric Infectious Diseases Society (PIDS) is organized exclusively for scientific and educational purposes and not for profit. Its purpose is to enhance the health of infants, children and adolescents by promoting excellence in diagnosis, management and prevention of infectious diseases through clinical care, education, research and advocacy.

Join us in Vancouver, where the Pediatric Infectious Diseases Society (PIDS) and the Pediatric Academic Societies (PAS) will once again host tightly aligned programs. PIDS symposia, joint symposia and original science will be held at the Vancouver Convention Centre. Contact Christy Phillips at the PIDS Office for information regarding the PIDS Annual Awards Program and Reception on Sunday evening, May 4.

**Registration Information**
There will be a single registration fee for the meeting set at the PAS registration fee schedule.

**Continuing Education**
Continuing Education Credit is available through the PAS. See page 385 for complete information.

**Saturday, May 3**

**8:00am-10:00am**

**1115 Humanized Mouse Models for Studying Disease**  
PAS State of the Art Plenary  
Vancouver Convention Centre - West 212-213

Target Audience: Basic and translational investigators leveraging mouse models to better understand human disease states and representing diverse clinical interests including pulmonary, endocrine and infectious-related subspecialty areas.

Objectives:
- Describe the approach by which humanized cells are introduced onto the mouse model in order to study human cellular responses
- Describe the advantages and disadvantages of the use of this research approach
- Describe how findings from humanized mouse models provide novel insight to mechanistic causes of various diseases

Chairs: Jake A. Kushner, Baylor College of Medicine, Houston, TX and Thomas P. Shanley, University of Michigan, Ann Arbor, MI

Scientific approaches utilizing a humanized mouse model have great benefit to investigate a number of disease states in vivo. Using innovative technology, a functioning human immune system can be introduced into humanized mice in order to study a variety of disease states impacted by altered immune responses. The session is designed to provide attendees with an overview of this technology and the ways in which it has been applied to study important, pediatric-relevant diseases.

**8:00 Technical Approaches, Strengths and Limitations in Utilizing Humanized Mouse Model for Studying Disease**  
Bruce Verchere, The University of British Columbia, Vancouver, BC, Canada

**8:30 Humanized Mouse Model for Studying Infection and Immunity**  
Yu Lung Lau, The University of Hong Kong, Hong Kong, Hong Kong

**9:00 Humanized Mouse Model for Studying Type 1 Diabetes**  
Kevan Herold, Yale University, New Haven, CT

**9:30 The Humanized Mouse Model for Studying Allergic Lung Disease**  
Cory Hogaboam, Cedars Sinai Medical Center, Los Angeles, CA

Jointly sponsored by the Asian Society for Pediatric Research, Society for Pediatric Research and the Pediatric Academic Societies

**1100 ACOs, Bundles and Caps: Caring for Children in an Era of Payment Reform**  
PAS State of the Art Plenary  
Vancouver Convention Centre - East 12

Target Audience: This will be of interest to leaders of academic and clinical systems (both specialist and generalist) within the United States, as well as health services researchers and those interested in the how change in health policy is impacting the care of children.

Objectives:
- Describe how the various models of payment reform drive the delivery system to meet the three-part aim
- Identify at least three different approaches to that assure that changing systems meet the needs of children and families
- Outline how child advocates should address at least three challenges to children and families that may result from payment reform

Chair: Denise Cora-Bramble, Children’s National Medical Center, Washington, DC

Efforts to align the US health care system with the three-part aim (better health, better healthcare, lower cost) hinge on the implementation of new modes of payment in both the public and private sectors. Within the United States, these efforts have often focused on the challenges of adult medicine, requiring child health advocates to take innovative approaches to assure that new systems of care address the unique needs of pediatric populations. In this session, we will review the various approaches to payment reform currently underway within the United States, highlighting specific examples of innovation that focus on community health, behavioral health integration and children with special health care needs.

**8:00 Payment Reform and Children in the United States: Where Are We and Where Are We Going?**  
Denise Cora-Bramble, Children’s National Medical Center, Washington, DC

**8:10 Designing Payment Reform in Maryland: What about the Children?**  
Joshua Moses Sharfstein, Department of Health and Mental Hygiene, Baltimore, MD

**8:30 Creating Models of Accountable Care for Children with Special Health Care Needs**  
James E. Shmerling, Children's Hospital Association, Aurora, CO

**8:50 Oregon's Coordinated Care Organizations: What's in It for Children?**  
Carla Dawn McKelvey, NBMC Pediatrics, Coos Bay, OR

**9:10 Where Do Children Fit into Blueprint for Health?**  
Craig Jones, Department of Vermont Health Access, Williston, VT

**9:30 Discussion**
Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

**8:00am - 10:00am**

**1165 Infectious Diseases I**  
Platform ~ Vancouver Convention Centre ~ Room West 121-122

Chairs: Roberta DeBiasi, Children’s National Medical Center, The George Washington University School of Medicine, Washington, DC and Adam Ratner, Columbia University, New York, NY

**8:00 Reactivation of Latent Varicella Zoster Virus in a Guinea Pig Model.**  
Anne A. Gershon, Jason J. Chen, Michael D. Gershon.

**Publication 1165.1**
8:15 Essential Role of Glycolysis in Human Plasmacytoid Dendritic Cell (PDC) Antiviral Responses. Gagan Bajwa, Ralph J. Deberardinis, Baomei Shao, David J. Farrar, Michelle A. Gill. Publication 1165.2

8:30 Risk Factors and Incidence of Primary Infection in Infants Differ Between Human Herpesviruses. Soren Gant, Elizabeth Krantz, Stacy Selke, Mei-Li Huang, Annet Nakaganda, Zaam Nalule, Jackson Orem, Anna Wald, Larry Corey, Corey Casper. Publication 1165.3

8:45 Quantification of HSV in CSF and Disease Severity in Patients With HSV Encephalitis (HSVE). K. Ramirez, A. Choudhri, A. Patel, M. Kocak, J. DeVincenzo. Publication 1165.4


9:30 The HMW1/HMW2 Adhesins of Nontypeable Haemophilus influenzae (NTHi) Are Highly Immunogenic During NTHi Acute Otitis Media and Anti-HMW1/HMW2 Antibodies Are Major Mediators of Osponophagocytic Killing in Convalescent Sera. Linda E. Winter, Stephen J. Barenkamp. Publication 1165.7


10:30am-12:30pm

1355A Congenital and Perinatal Infections: Current Concepts and Updates
PIDS Topic Symposium
Vancouver Convention Center - West Ballroom B

Objectives:
- Discuss the immunopathogenesis of transplacental infections
- Review the role of hepatitis C virus and Ureaplasma spp. in congenital and perinatal infections
- Discuss recent findings on treatment of congenital CMV infection

Chair: Jennifer S. Read, National Institutes of Health, Bethesda, MD and Catherine M. Bendel, Associate Professor of Pediatrics, Director, Neonatal-Perinatal Medicine Fellowship Program Director, Pediatric Fellowship Programs

Congenital and perinatal infections represent an important cause of infant morbidity and mortality. Better understanding of the maternal-fetal interface that results in these infections may lead to novel preventive strategies. The contribution of specific organisms (hepatitis C virus, Ureaplasma spp., and cytomegalovirus) will be discussed.

10:30 The Maternal-Fetal Interface: Immune Mechanisms of Infection and Protection
Mark R. Schleiss, Center for Infectious Diseases and Microbiology Translational Research, Minneapolis, MN

11:00 The Immunology behind Perinatal Hepatitis C Infection
Jonathan R. Honegger, Nationwide Children’s Hospital – The Ohio State University, Columbus, OH

11:30 Ureaplasma: A Neonatal Pathogen?
Rose M. Viscardi, University of Maryland School of Medicine, Baltimore, MD

11:45 Congenital CMV Infection: Longer Therapy for All Symptomatic Babies?
David W. Kimberlin, University of Alabama, Birmingham, AL

12:00 Discussion

1:00pm-4:00pm

Posters Available for Viewing
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 1:00pm–4:00pm
Author Attendance and Opening Reception: 1:15pm–2:30pm

1:15pm–2:30pm

Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C

Course # | Topic | Board #
--- | --- | ---
1500 | Infections & Immunizations | 1-9
1507 | Skin Infections | 80-85
1521 | HIV | 304-314
1522 | Respiratory Virus | 315-353
1523 | Tuberculosis | 354-356
1524 | Miscellaneous Virus | 357-367

Refer to PAS Daily Programming for complete details.

2:45pm-4:45pm

1610 Clinical Challenges in Pediatric Antibiotic Management
PAS Topic Symposium
Vancouver Convention Centre - Parkview Ballroom

Target Audience: Clinicians, physicians and other healthcare providers, researchers, members in training, pharmacists, microbiologists, hospitalists, and infectious diseases physicians

Objectives:
- To define therapeutic options for the treatment of multi-drug resistant Gram-negative organisms in children
- To determine the optimal therapeutic drug monitoring goals for vancomycin in children
- To determine alternative therapeutic options for children with MRSA or VRE who experience therapeutic failure with standard antibiotic therapy

Chairs: Pranita D. Tamma, Johns Hopkins University School of Medicine, Baltimore, MD, and David Y. Hyun, Children’s National Medical Center, Washington, DC

As we are witnessing a rise in infections caused by multi-drug resistant organisms in the pediatric population, this session will equip practitioners with the knowledge of appropriate antibiotic use for the treatment of infections caused by multi-drug resistant organisms. By the conclusion of the session, attendants will have knowledge of the treatment options that should be considered for resistant Gram-negative organisms (e.g., prolonged infusion B-lactams, colistin, tigecycline, the role of combination therapy). Additionally, they will understand the data regarding vancomycin therapeutic drug monitoring and how to balance vancomycin troughs and nephrotoxicity. Therapeutic options for methicillin-resistant *Staphylococcus aureus* and vancomycin-resistant enterococci including first-line and second-line options will also be reviewed.

2:45 A Primer on Multi-Drug Resistant Gram-Negative Organisms:
How Do You Define Them and What Do They Mean for Children?
Scott J. Weissman,Ctr for Childhood Inf & Prematurity Res, Seattle, WA

3:10 What Are Our Treatment Options for Multi-Drug Resistant Gram-Negative Organisms Infecting Children?
Pranita D. Tamma, Johns Hopkins University School of Medicine, Baltimore, MD

3:35 Discussion

3:45 Balancing Vancomycin Troughs and Nephrotoxicity:
What Should We Be Aiming For?
Holly Maples, University of Arkansas for Medical Sciences College of Pharmacy, Little Rock, AR

4:10 What Are Our Options for Salvage Therapy for Multi-Drug Resistant Gram-Positive Infections in Children?
David Y. Hyun, Children’s National Medical Center, Washington, DC

4:35 Discussion
2:45pm-4:45pm

1615 Ethics in the Conduct of Clinical/Basic Research
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom A

Target Audience: Academic researchers at all stages of career and practice and across all disciplines within pediatrics.

Objectives:
- To understand the ethical issues regarding conduct research in pediatric patients, including neonates
- To understand comparative effectiveness research and waiver of consent for “emergency” research
- Articulate how social media impacts practice change and confidentiality concerning conduct of research

Chair: Seetha Shankaran, Children’s Hospital of Michigan, Detroit, MI

This session will examine the impact of social media on practice changes in the conduct of research. The public/parental perceptions on the conduct of clinical research in pediatric patients will be discussed. The pros, cons, and risks of conducting research in today’s environment will be presented. How to maintain confidentiality in the environment of social media and technology advances will be explored. The experience from trials will be reviewed and the recent public discussions regarding a multicenter neonatal study (SUPPORT) will be analyzed. The ethical aspects of conduct of research, both for new therapies compared to standard of care as well as comparative effectiveness research and waiver of consent for emergency/imminent research needs will be explored. The regulatory oversight of research, both at the governmental and local institutional level, will be presented along with the need for changes. A vigorous interactive audience participation is anticipated.

2:50 Background for This Session: The SUPPORT Study
Carl T. D’Angio, University of Rochester, Rochester, NY

3:00 How Social Media and Public Discussion Impacts Conduct of Clinical Trials
Robin H. Steinhorn, UC Davis Children’s Hospital, Sacramento, CA

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy
John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

3:50 Comparative Effectiveness Research, New Therapies and Waiver of Consent
Jonathan M. Fanaroff, Rainbow Babies & Children’s Hospital, Cleveland, OH

4:35 Discussion

*The Joseph W. St. Geme, Jr. Leadership Award is presented by the Federation of Pediatric Organizations on behalf of the Academic Pediatric Association, American Academy of Pediatrics, American Board of Pediatrics, American Pediatric Society, Association of Medical School Pediatric Department Chairs, Association of Pediatric Program Directors and Society for Pediatric Research.

Sunday, May 4

7:00am-8:00am
PAS Meet the Professor Breakfast Sessions
Pan Pacific Vancouver - Pacific rm 1

The purpose of these sessions is to provide trainees and junior faculty the opportunity to meet with senior physicians who can provide insights in their field and provide career guidance in a small interactive group. Attendance at each session is limited and available on a first-come, first-served basis to maintain an intimate interactive format. These sessions are of particular interest to trainees and junior faculty.

2032 Pediatric Infectious Diseases: Challenges and Opportunities
PAS Meet the Professor Breakfast

This is an interactive session, designed for residents, fellows and junior faculty, to explore and discuss all aspects and career opportunities in pediatric infectious diseases.

PAS/ASPR Opening General Session
10:15am-11:45am

1775 PAS/ASPR Opening General Session
Vancouver Convention Centre - West Ballroom A

Chair: D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:00 PAS Welcome
D. Michael Foulds, 2014 PAS Program Chair; Professor, Division of General Pediatrics, University of Texas Health Science Center at San Antonio, San Antonio, TX

5:05 ASPR Welcome
Keiichi Ozono, President of the 10th Congress of the Asian Society for Pediatric Research

5:10 Introduction of Joseph W. St. Geme, Jr. Leadership Award
Alan L. Schwartz, President, American Pediatric Society; Harriet B. Spechler Professor and Chair, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO

10:15am-11:45am

2300 APS Presidential Plenary and Awards
Vancouver Convention Centre - West Ballroom B

10:30am-12:30am

2323A Emerging and Re-Emerging Pathogens in Pediatrics: Are We Prepared?
PIDS Hot Topic
Vancouver Convention Centre - East Ballroom B

Target Audience: pediatric infectious diseases specialists, epidemiologists, microbiologists, virologists, infection preventionists, critical care medicine, hospitalists, emergency medicine specialists, pediatricians.

Objectives:
- Review and discuss the importance of preparedness for emerging pathogens in pediatrics
- Discuss specific pathogens capable of resulting in worldwide pandemics
- Describe the multi-faceted approach to responding to the threat of emerging and re-emerging viruses
Chairs: Asuncion Mejias, The Research Institute at Nationwide Children’s Hospital – The Ohio State University, Columbus, OH, and Angela J. P. Campbell, Influenza Division, National Center for Immunization and Respiratory Diseases, CDC, Atlanta, GA

This session will focus on emerging and re-emerging pathogens and how they may affect pediatric patients. Our preparedness for such emerging infections, their public health impact and our responses will be discussed.

10:30 Emergency Preparedness for Infectious Diseases: Are We Prepared to Care for Children?
Andrew T. Pavia, Pediatric Infectious Disease, University of Utah, Salt Lake City, UT

11:00 Novel Influenza A Viruses: The Next Pandemic?
Angela J. P. Campbell, Influenza Division, National Center for Immunization and Respiratory Diseases, CDC, Atlanta, GA

11:30 Middle East Respiratory Syndrome Coronavirus: What Do We Know and What Awaits Us?
Susan J. Gerber, Division of Viral Diseases, National Center for Immunization and Respiratory Diseases, CDC, Atlanta, GA

12:00 Measles Outbreak in the Post-Elimination Era: Preparedness Put to the Test
Jennifer B. Rosen, Bureau of Immunization, New York City Department of Health and Mental Hygiene, New York, NY

10:30am - 12:30pm

2370 Neonatal Infections
Platform - Vancouver Convention Centre - Room East Ballroom C

Chairs: Joseph Cantey and Andi Shane

Refer to PAS daily programming for complete details.

12:30pm-4:00pm

2600 AAP Presidential Plenary and Annual Silverman Lecture
Vancouver Convention Centre - West Ballroom B

1:00pm-3:00pm

2670A New Developments and Controversies in Tick-Borne Diseases
PIDS Topic Symposium
Vancouver Convention Centre - East Ballroom B

Target Audience: General pediatricians, faculty, and fellows in emergency medicine, hospital medicine, infectious diseases, and rheumatology, epidemiologists, health care workers, investigators, lab personnel, microbiologists, nurses, public health practitioners, and researchers with interest in the controversies and new developments surrounding tick-borne diseases.

Objectives:
- Identify the epidemiology and geographic distributions of infected ixodid ticks in the United States that transmit pathogens that cause disease in children.
- Know how to evaluate and manage children with Lyme disease and recognize medically unexplained symptoms masquerading as Lyme disease and the most effective ways to manage patients and families with this problem.
- Know the clinical presentations of other tick-borne illnesses transmitted by ixodid ticks like anaplasmosis, babesiosis, powassan virus and the newly described recurrent fever due to Borrelia miyamotoi.

Chair: Roberto P. Santos, Children’s Hospital at Albany Medical Center, Albany, NY, and Eugene D. Shapiro, Yale University School of Medicine, New Haven, CT

In 2006, the Infectious Disease Society of America published its evidence-based practice guidelines on Lyme disease, anaplasmosis, and babesiosis. In April 2012, the American Academy of Pediatrics published “Tick-Borne Infections” in audio format in addition to the most recent edition of Red Book. Despite these updates and provisions there remain many controversies and much misinformation regarding the clinical presentation, diagnosis, management, and prevention of Lyme disease. In this symposium, experts will discuss not only controversies and new developments in tick-borne illnesses transmitted by ixodid ticks, but also how providers can address issues, often raised by families, about persistent, non-specific symptoms. Evidence-based approaches to diagnosis, treatment, and outcomes of Lyme disease, anaplasmosis, babesiosis, and the newly described recurrent fever due to Borrelia miyamotoi will be discussed.

1:00 Epidemiology and Geographic Distributions of Infected Ixodid Ticks
Margaret C. Fisher, The Children’s Hospital at Monmouth Medical Center, Long Branch, NJ

1:30 Lyme Disease: Diagnosis and Management of B. burgdorferi infection and of Medically Unexplained Symptoms Masquerading as Lyme disease
Eugene D. Shapiro, Yale University School of Medicine, New Haven, CT

2:15 Anaplasmosis, Babesiosis, Powassan virus and Borrelia miyamotoi infections
Su-nil K. Sood, Cohen Children’s Medical Center of New York, Hofstra North Shore-LIJ School of Medicine, New York

3:30pm-5:30pm

2805 The Challenges of Adherence in Adolescents with Chronic Medical Disease
PAS Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, pulmonologists, adolescent medicine specialists and any physicians managing children with chronic medical problems.

Objectives:
- Understand the frequency of incomplete adherence in different adolescent populations
- Discuss the process of human centered design thinking and creating tools for adherence in adolescents with diabetes
- Identify and be able to use strategies to improve adherence

Chairs: Michael J. Tansey, University of Iowa, Iowa City, IA, and Neil H. White, Washington University in St. Louis, St. Louis, MO

Non-adherence in adolescents with chronic medical problems leads to increased morbidity and mortality. Recognizing the frequency of non-adherence and proactively managing can help improve the quality of healthcare provided to children and adolescents and ultimately lead to better outcomes. This symposium explores the factors and costs associated with poor adolescent adherence to prescribed medical therapies, and describes innovative strategies that target this important problem.

3:30 Factors Associated with Non-Adherence in Adolescence
Tim Wysocki, Nemours Children’s Health System, Jacksonville, FL

4:00 Design Thinking for Creating Adherence Interventions in Adolescents
Joyce M. Lee, University of Michigan, Ann Arbor, MI

4:30 Increasing Family Involvement to Reduce Non-Adherence
Lori M.B. Laffel, Joslin Diabetes Center, Boston, MA

5:00 The Use of Technology to Improve Compliance in Adolescents with Chronic Medical Conditions
Patrick Brophy, University of Iowa Children’s Hospital, Iowa City, IA

3:30pm-5:30pm

2815 The Human Microbiome: A New Vista on Childhood Biology
PAS State of the Art Plenary
Vancouver Convention Centre - East 8

Target Audience: Clinical and Basic Science Investigators at all career stages, who want to expand their scope of inquiry into the interface between human microbial populations, and the role that these microbes play in health and disease.
Objectives:
- Convey an appreciation for the biologic power of the microbial consortia in and on the human host
- Offer provocative examples of high impact childhood diseases where the human microbiome plays critical roles
- Propose interventions to harness this biomass for the benefit of children and populations

Chairs: Josef Neu, University of Florida, Gainesville, FL, and Phillip I. Tarr, Washington University School of Medicine, St. Louis, MO

The human microbiome has emerged in the past decade as a major area of inquiry in human biology. A variety of technologic advances and biologic discoveries show that this biomass is a major determinant of growth, development, well-being and disease. Microbial populations are a vibrant driver of a variety of host processes, and their role in pediatrics, as in all of clinical medicine, had been overlooked until the past decade. These organisms are critical determinants of host pathophysiology. Several examples of the role of this biomass in human disease include growth and development, celiac disease, severe acute malnutrition, necrotizing enterocolitis, sepsis, infection resistance, and inflammatory bowel disease. Moreover, lifelong structure of these populations might be ordained in childhood. There are few areas of human biology that will be untouched by the emerging understanding of the power of microbial populations.

3:30 The Childhood Microbiome: Our Newly Recognized Partners in Health and Disease
Phillip I. Tarr, Washington University School of Medicine, St. Louis, MO

4:00 Our Microbial Populations: Proceed with Caution
Martin J. Blaser, New York University, New York, NY

4:15 Et tu, Celiac? The Role of Microbes in Gluten Sensitive Enteropathy
Alessio Fasano, Massachusetts General Hospital, Charlestown, MA

4:50 The Host Microbiome, and Infection Resistance and Susceptibility
B. Brett Finlay, The University of British Columbia, Vancouver, BC, Canada

Jointly sponsored by the North American Society for Pediatric Gastroenterology, Hepatology & Nutrition and the Pediatric Academic Societies

4:45pm-5:45pm
2885 APA Membership Meeting and APA Debate
Vancouver Convention Centre - West 301-305

4:15pm-7:30pm
Posters Available for Viewing
Vancouver Convention Centre, Hall B/C
Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm

5:45pm–7:30pm
Poster Session II
Vancouver Convention Centre, Hall B/C

Course # Topic Board #
2909 Urinary Tract Infection / VUR 104-114

Refer to PAS Daily Programming for complete details.
**Tuesday, May 6**

8:00am-10:00am

### 3100 Driving Change in Child Health Care: Successes and Challenges in Quality Measurement

**PAS State of the Art Plenary**

**Vancouver Convention Centre - East 12**

Target Audience: Clinicians, academicians and health services researchers involved to quality improvement and health system transformation.

Objectives:

- Identify useful measures of structure, process and outcome that can drive change in child health practice
- Explain how child health measures can be used to drive change within practices, networks or statewide systems
- Describe gaps in child health measurement on which measure developers should focus their efforts

Chairs: Charles J. Homer, National Initiative for Children’s Healthcare Quality, Boston, MA, and Mark A. Schuster, Boston Children’s Hospital, Boston, MA

CHIPRA, the Affordable Care Act and the Alternative Quality Contract are all based on the assumption that we can use measurement to drive high-quality, team-based care, focused on the needs of the child and family, linking family, community and subspecialty services. Children are not just little adults, however, and measuring the structure, process and outcome of practice transformation in pediatric practice must respect differences in development, dependency, demography, disease epidemiology and dollars (the 5Ds). This session will explore ways in which we can measure performance and outcome in child health practice, focusing on the use measurement to drive change. In addition, we will discuss challenges unique to child health measures and identify measurement gaps that are ripe for measure development.

8:00am-10:00am

### 3120 Kawasaki Disease: New Paradigms

**PAS Topic Symposium**

**Vancouver Convention Centre - West 118**

Target Audience: General pediatricians, infectious disease, immunology, and cardiology specialists.

Objectives:

- To gain new knowledge of the pathogenesis of Kawasaki disease
- To appreciate the recent progress in host genetic factors of Kawasaki disease
- To understand new data regarding external factors influencing Kawasaki Disease

Chairs: Michael A. Portman, Seattle Children’s Research Institute, Seattle, WA, and Toshiro Hara, Graduate School of Medical Sciences, Kyushu University, Fukuoka City, Japan
Kawasaki Disease is an acute vasculitis with predilection for the coronary arteries. Despite treatment with intravenous gamma globulin, KD can leave coronary aneurysms and stenoses and has emerged as the most common acquired heart disease in children. These abnormalities can cause lifelong disability and death. The epidemiology for this syndrome is ever changing, and may provide clues to determining the cause. Recent population based studies in KD have been augmented in recent years by genetics, histopathological investigations, and even atmospheric evaluations. These investigations will lead to new diagnostic and treatment modalities. The faculty for this symposium will outline these investigations which have created new paradigms for our understanding, diagnosis, and treatment of this disease.

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<th>Time</th>
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<tr>
<td>8:00</td>
<td><strong>Genome Wide Association Studies and Kawasaki Disease</strong></td>
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<td>Yoshihiro Onouchi, Chiba University, Chiba, Japan</td>
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<td>8:20</td>
<td><strong>The Etiology of Kawasaki Disease: A Paradigm Shift</strong></td>
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<td>Toshiro Hara, Graduate School of Medical Sciences, Kyushu University, Fukuoka City, Japan</td>
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<td>8:40</td>
<td><strong>Clinical and Histopathological Correlates in Kawasaki Disease</strong></td>
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<td>Jan M. Orenstein, George Washington University, Washington, DC</td>
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<td>9:00</td>
<td><strong>Wind, Climate, and Kawasaki Disease</strong></td>
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<td>Jane C. Burns, UCSD School of Medicine, La Jolla, CA</td>
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<td>9:20</td>
<td><strong>Diet, Immune Function, and Kawasaki Disease</strong></td>
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<td>Michael A. Portman, Seattle Children's Research Institute, Seattle, WA</td>
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<td><strong>Discussion</strong></td>
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Jointly sponsored by the Academic Pediatric Association, American Pediatric Society and the Pediatric Academic Societies

8:00am - 10:00am

### 3180 March of Dimes Basil O’Connor Symposium

**Platform – Vancouver Convention Centre – Room West 214**

Target Audience: Mature scientists and young investigators whose research is focused on prematurity, complications of pre-term birth, developmental biology, or genetics.

Objectives:
- Will hear 8 funded research presentations from Basil O’Connor awardees as examples of MOD funding interests
- Will see how genetics can be used to predict outcomes
- Will benefit from the integration of basic and translational research presentations

Chairs: Margaret K. Hostetter, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, and Joe Leigh Simpson, March of Dimes, White Plains, NY

This symposium, now proposed for the third time, features young investigators who are concluding their second year of support on Basil O'Connor Awards from the March of Dimes. Both MDs and PhDs are represented. Presented research covers a range of topics that are areas of focus for the March of Dimes: pregnancy and prematurity, complications of preterm birth, developmental biology, genetics, etc. Members of the PAS Program Committee have attended the past two symposia and have been very complimentary regarding the breadth and excellence of the science.

Chairs: Margaret Hostetter and Dr. Joe Leigh

Refer to PAS Daily Programming for complete details.

### 3185 Neonatal Host Defense

**Platform – Vancouver Convention Centre – Room West 223-224**

Chairs: Joseph M. Bliss, Alpert Medical School of Brown University, Women & Infants Hospital, Providence, RI and Jörn-Hendrik Weitkamp, Vanderbilt University & Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN

Refer to PAS Daily Programming for complete details.

### 3300 SPR Presidential Plenary and Awards

**West Ballroom C**

**Time** | **Event** |
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<td>10:15-12:00pm</td>
<td><strong>SPR Presidential Plenary and Awards</strong></td>
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Chairs: Preeti Jaggi, Nationwide Children’s Hospital – The Ohio State University, Columbus, OH

This session will discuss recent pediatric guidelines on UTI and sinusitis with a focus on the evidence behind the recommendations and the knowledge gaps that call for future research. In addition, new infection prevention guidelines on cystic fibrosis and infants in the NICU will be presented.

10:30 | **Guideline on Urinary Tract Infection: After 24 Months? What’s Next?** |
      | Alejandro Hoberman, Children’s Hospital of Pittsburgh, Pittsburgh, PA |
11:00 | **Guideline on Sinusitis: Treatment Conundrum** |
      | Ellen R. Wald, University of Wisconsin School of Medicine and Public Health, Madison, WI |
11:30 | **Infection Prevention and Control Guideline for Cystic Fibrosis: 2013 Update** |
      | Jane D. Siegel, University of Texas Southwestern Medical Center, Dallas, TX |
12:00 | **CDC and HCIPAC Guidelines for the Prevention of Infection in the NICU** |
      | Alexis Marie Elward, Washington University School of Medicine, Saint Louis, MO |

### 3357A Pediatric Infectious Diseases Guidelines: Issues and Controversies

**PIDS Topic Symposium**

**Platform – Vancouver Convention Centre – East Ballroom B**

Chairs: Margaret Hostetter and Dr. Joe Leigh

This session will discuss recent pediatric guidelines on UTI and sinusitis with a focus on the evidence behind the recommendations and the knowledge gaps that call for future research. In addition, new infection prevention guidelines on cystic fibrosis and infants in the NICU will be presented.

### 3385 Infectious Diseases II

**Platform – Vancouver Convention Centre – Room West 306**

Chairs: Marsha S. Anderson, Children’s Hospital Colorado, University of Colorado School of Medicine, Aurora, CO and Aaron M. Milstone, The Johns Hopkins University School of Medicine, Baltimore, MD

Refer to PAS Daily Programming for complete details.

1:00pm-3:00pm

### 3480A PIDS Blue Ribbon Session

**PIDS Original Science Platform Session**

**Platform – Vancouver Convention Centre – West 121-122**

Chairs: Paul W. Spearman, Emory University School of Medicine, Atlanta, GA

**SPR Fellows’ Section Basic Research Award**

**Hitesh Deshmukh**

**Time** | **Event** |
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<td>1:00*</td>
<td><strong>The Microbiota Regulates Neutrophil Homeostasis and Host Resistance To Escherichia coli Sepsis in Neonatal Mice.</strong></td>
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<pre><code>  | Hitesh Deshmukh, G. Scott Worthen. |
  | **Publication 3570.18** |
</code></pre>
<p>| 1:20   | <strong>Autophagy Related 16 Like-1 Genetic Variant Is Associated With Necrotizing Enterocolitis (NEC).</strong> |
| Venkatesh Sampath, Jeffery S. Garland, Daniel Merchant, Allison Momany, Neil P. Mulrooney, Michael W. Quasney, Jeffrey Murray, John Dagle, Mary Dahmer. |
| <strong>Publication 3570.19</strong> |
| 1:40   | <strong>Pentoxifylline for Treatment of Late-Onset Sepsis in Preterm Infants: A Randomized Controlled Trial.</strong> |
| <strong>Publication 3570.20</strong> |
| 2:00   | <strong>A Targeted Approach for Congenital Cytomegalovirus (CMV) Screening Within Newborn Hearing Screening: Findings from the NICDC CHIMES Study.</strong> |
| <strong>Publication 3570.21</strong> |</p>
2:20 Group B Streptococci Induce Proinflammatory Responses Via a Protein Kinase D1-Dependent Pathway. Kirtikumar N. Upadhyay, Jeoung-Eun Park, Young-In Kim, Elizabeth Meals, Ajay J. Talati, B. Keith English, Ae-Kyung Yi. Publication 3570.22

SPR David G. Nathan Award (Fellow Basic) Elizabeth Swanson

2:40* A Combination Glycoprotein B (gB) and pp65 (GP83) Vaccine Against Congenital Cytomegalovirus Infection Using Modified Vaccinia Virus Ankara (MVA); Addition of pp65 To gB Vaccine Reduces Antibody Titers but Both Vaccines Protect Against Congenital Transmission and Disease. Elizabeth C. Swanson, Claudia Fernandez-Alarcon, Jason C. Zabeli, Felix Wussow, Donald J. Diamond, Mark R. Schleiss. Publication 3570.23

1:00pm-3:00pm

3500A Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology
MOD Award Symposium
Vancouver Convention Centre – East Ballroom A

1:00pm-3:00pm

3510 Ethical Challenges Conducting Research in Newborns to Better Define Standard of Care: Lessons from SUPPORT
PAS Hot Topic
Vancouver Convention Centre - West Ballroom B

Target Audience: Clinicians, Junior and Senior Investigators, Pre- and Post-Doctoral Fellows, and undergraduate students interested in learning about the ethical issues related to Neonatal Research and comparative effectiveness research and opportunities to improve the parental permission process and oversight of clinical research.

Objectives:
- Understand the rationale for various study designs, the approach to parental permission, and relevant study outcomes
- Explore the complexities of key judgments about risk necessary for NICU research comparing standard interventions
- Consider how research regulators can maintain public trust and advance quality of care when complex ethical concerns are present

Chairs: Benjamin S. Wilfond, University of Washington, Seattle, WA, and Jonathan Michael Davis, The Floating Hospital for Children at Tufts Medical Center, Boston, MA

The fundamental ethical challenge when clinicians lack evidence to know how best to care for children, is whether research enrollment exposes children to additional risk, preventing them from receiving accepted treatments for which the evidence base is lacking. The SUPPORT Study, which compared different oxygen saturations targets in premature infants was controversial because of a lack of consensus about key issues related to risk, parental permission, and the role of oversight. This session will explore these issues and questions and discuss opportunities to improve the process. How can the approach to parental permission be reconceived to focus on helping parents make decisions consistent with their values and preferences? How can federal regulators solicit stakeholder input to protect the rights and welfare of research subjects and to advance research to improve patient care?

1:00 Opportunities to Improve Research in Children by Conducting Research about the Ethical Concerns Related to Research
Benjamin S. Wilfond, University of Washington, Seattle, WA

1:05 The Challenges of Study Designs to Assess Standard Interventions in the NICU and Implications for Risk Assessment: Lessons from SUPPORT
Waltemar A. Carlo, University of Alabama at Birmingham, Birmingham, AL

1:25 Assessing Risks in Pediatric Research and Clinical Care: Where Does Comparative Effectiveness Research Fit
David Wendler, NIH Clinical Center, Bethesda, MD

1:45 Engaging Families and the Public about Clinical Research
John D. Lantos, Children’s Mercy Hosp and University of Missouri, Kansas City, MO

2:05 Enhancing Regulatory Oversight for Challenging Clinical Trials: Lessons from the FDA
Robert Meland Nelson, Food and Drug Administration, Silver Spring, MD

2:25 New Models to Approach Parental Permission in Pediatric Clinical Trials
S. Hirschfield, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD

2:45 Discussion

Target Audience: Educational leaders in Graduate Medical Education Programs along with current residents/fellows and Chief Residents are the target audience for this Mini-Course.

Objectives:
- Discuss the process for Faculty Development to support the formation of a Clinical Competency Committee
- Describe the potential structures for the formation of the Clinical Competency Committee
- Discuss the potential challenges in using Clinical Competency Committees to determine a trainees level of performance

Chair: Robert J. Vinci, Boston University School of Medicine, Boston, MA

As Pediatric Milestones are implemented within residency training programs there is a paradigm shift towards the development and utilization of a Clinical Competency Committee (CCC) to provide the structure for milestones reporting to the ACGME. Currently in place for residency programs and soon to be introduced into fellowship programs, the future of resident assessment is based on Clinical Competency Committees making decisions about promotion, remediation and graduation from GME programs. The complex nature of gathering assessment data and providing summative feedback to our trainees will need to be incorporated into the formation of the Clinical Competency Committee. This Mini-Course will provide educators with a review of guiding principles for Clinical Competency Committees with a focus on faculty development, discussion of potential challenges and suggestions for the development and structure of Clinical Competency Committees within our Graduate Medical Education Programs.

1:00 The Clinical Competency Committee: Current Perspective and Challenges to Implementation
Robert J. Vinci, Boston University School of Medicine, Boston, MA

1:15 Faculty Development: Strategies for Preparing Faculty for Successful Integration into a Clinical Competency Committee
John G. Frohna, University of Wisconsin, Madison, WI

1:40 Strategies to Consider When Formulating a Program-Specific Clinical Competency Committee
Heather A. Fagan, University of Chicago, Chicago, IL

2:05 The Clinical Competency Committee: Pitfalls and Challenges with Determining a Trainees’ Level of Performance
Ann Guillot, University of Vermont College of Medicine, Burlington, VT

2:30 Discussion

Jointly sponsored by the Association of Pediatric Program Directors and the Pediatric Academic Societies

www.pas-meeting.org 351
1:30pm-5:15pm

3600 Academic Pediatric Association Presidential Plenary and Armstrong Lecture
Vancouver Convention Centre – West Ballroom A

David Keller
President
Academic Pediatric Association

Moderator: Mark Schuster, President Elect, Academic Pediatric Association, Harvard Medical School, Boston Children’s Hospital, Boston, MA

1:30 Highest Cost Patients In Children’s Hospitals In 2009: Where Are They Now? Alon Peltz, David Rubin, John Neff, Mark Brittan, Matt Hall, Kenneth Mandl, Eyal Cohen, David Hall, Dennis Kuo, Rishi Agrawal, and Jay Berry.

1:45 Texting, Talking, and Driving: An Observational Survey of Cellular Phone Use among Drivers Beth E. Ebel, Annie P. Kirk, Amy Freedheim, Laura Hitchcock, Laura Blanar, Jennifer D. Maeser, Qian Qiu, and Robert Kaufman

2:00 Neighborhood Housing Code Violation Density is Associated with a Patient’s Risk of Asthma Reutilization Andrew F. Beck, Bin Huang and Robert S. Kahn.


2:30 President’s Address: Policy, Politics and Procedure: Our Role in Building Systems that Improve the Health of Children David Keller, President, Academic Pediatric Association; Professor, Department of Pediatrics, University of Colorado School of Medicine, Vice Chair of Clinical Affairs and Clinical Transformation, Children’s Hospital Colorado, Aurora, CO

3:00 Break

3:15 APA Health Care Delivery Award: Presented by Jane Knapp to The Department of Pediatrics at Boston Medical Center/Boston University School of Medicine. Program Director, Barry Zuckerman.

3:30 APA Research Award: Presented by Cynthia Minkovitz to Alejandro Hoberman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine

3:45 Violent Deaths in Children: Opportunities for Prevention at a Children’s Hospital Terra Frazier, Denise Dowd, Monica Nielsen, and James Anderst

4:00 The I-PASS Handoff Study: Effects of Implementing a Multi-site Handoff Bundle on Rates of Medical Errors, Preventable Adverse Events, and Miscommunications Amy Starmer and I-PASS Group

4:15 Can Brief Motivational Interviewing in Practice Reduce Child Body Mass Index? Results of a 2-year Randomized Controlled Trial K. Resnicow

4:30 Addressing the Social Determinants of Health at Well-Child Care Visits: A Cluster RCT Arvin Garg, Sarah Toy, Yorghos Tripodis, and Elmer Freeman

4:45 Armstrong Lecture: OUTSIDE LOOKING IN, INSIDE LOOKING OUT: Expanding the concept of health Karen Hein, MD, Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth, Member, Vermont Green Mountain Care Board

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

3:30pm-5:30pm

3631A Respiratory Syncytial Virus: New Opportunities for Global Impact
PIDS State of the Art Plenary
Vancouver Convention Centre – East Ballroom C

Target Audience: Broad base of pediatric clinical and translational scientists, clinicians, and trainees, pediatric infectious diseases specialists and public health researchers.

Objectives:
- Review the global health impact of RSV
- Review new approaches to treatment of RSV infection
- Review current approaches to RSV immunoprophylaxis and RSV vaccine development for the global community

Chairs: Ruth A. Karron, Johns Hopkins Univ, Baltimore, MD and Fernando P. Polack

This session is dedicated to the memory of Dr. Caroline Breese Hall and her monumental contributions to the field. It will cover the State of the Art in our understanding of the global health impact of RSV, new approaches to treatment of RSV infection, and advances in RSV immunoprophylaxis and RSV vaccine development.

3:30 Caroline Breese Hall, MD: Physician-Scientist and Mentor Leading the Way (1939-2012) Mary T. Caserta, Univ of Rochester School of Med., Rochester, NY

3:40 Unanswered Questions about Severe RSV Disease in the Developing World Fernando P. Polack, Vanderbilt University, Nashville, TN

4:05 Advances in the Treatment of RSV John P. DeVincenzo, Univ of Tennessee, Memphis, Memphis, TN

4:30 Passive Prophylaxis: Unanticipated Benefits and Future Possibilities Louis Bont, University Medical Center Utrecht, Utrecht, Netherlands

4:55 RSV Vaccine Development for the Global Community Ruth A. Karron, Johns Hopkins Univ, Baltimore, MD

Jointly sponsored by the Pediatric Infectious Diseases Society and the Pediatric Academic Societies

3:30pm-5:30pm

3645 Vesicoureteral Reflux and UTIs, Is There Anything New? PAS Topic Symposium
Vancouver Convention Centre – West 220


Objectives:
- Discuss current guidelines for the management of UTI
- Highlight genetic risk factors for VUR and UTI
- Highlight areas for future investigation in VUR and UTI

Chairs: John Spencer, Nationwide Children’s Hospital, Columbus, OH, and Marva M. Moxey-Mims, NIH/NIDDK/DKUH, Bethesda, MD
The management of UTIs and VUR is challenging secondary to conflicting evidence in the literature. Current management guidelines will be discussed. Research findings designed to increase our understanding of the underlying mechanisms and clarify management strategies will be presented.

3:30 Current Guidelines on the Management of UTI  
Tej Matoo, Children’s Hospital of Michigan, Wayne State University, Detroit, MI

3:55 In Defense of the Urinary Tract: Innate Mechanisms for Maintaining Sterility  
David Sullivan Hains, Nationwide Children’s Hospital, Ohio State University, Columbus, OH

4:20 Genetics of VUR  
Rashed Gbadegesin, Duke University Medical Center, Durham, NC

4:45 Interplay between Vesico-Ureteric Reflux and Kidney Infection in the Development of Reflux Nephropathy  
Indra R. Gupta, Research Institute of the McGill University Health Center, Montreal, QC, Canada

4:15pm–7:30pm  
Posters Available for Viewing  
Vancouver Convention Centre, Hall B/C

5:45pm–7:30pm  
Poster Session III  
Vancouver Convention Centre, Hall B/C

Course # | Topic | Board #  
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3810 | Vaccine | 218-227  
3811 | Gastrointestinal Infection | 228-234  
3812 | Urinary Tract Infection | 235-240  
3813 | Miscellaneous Bacterial Infection | 241-252  
3814 | Miscellaneous Infection | 253-265B  
3815 | Staph | 266-269  
3817 | Osteoarthritis | 275-278  
3818 | Adolescent | 279-281  
3830 | Sexually Transmitted Infections | 362-366

Refer to PAS Daily Programming for complete details.

Tuesday, May 6

7:00am–11:00am  
Poster Session IV  
Vancouver Convention Centre, Hall B/C

Refer to PAS Daily Programming for complete details

8:00am-10:00am  
4200 Immunization: Challenges and New Approaches  
PAS Topic Symposium  
Vancouver Convention Centre - West 211

Chair: Amina Ahmed, Carolinas Medical Center, Charlotte, NC, Ofer Levy, Boston Children’s Hospital, Boston, MA

This session will focus on recent developments in aspects of immunizations that present major challenges to current immunization programs. In addition, new strategies for optimizing vaccine schedules as well as protection of the preterm infant will be discussed.

Objective(s):
1. Discuss strategies that may enable vaccination of newborns
2. Discuss how the application of the systems biology approach is providing new understanding about how vaccines work
3. Discuss optimization of current vaccine schedules and relevance to the preterm infant

8:00 Systems Immunology - Beyond Antibody Titers  
Octavio Ramilo, Nationwide Children’s Hospital – The Ohio State University, Columbus, OH

8:30 Innate Immune Memory: Implications for Vaccine Development  
Ofer Levy, Boston Children’s Hospital, Boston, MA

8:40 New Schedules for Old Vaccines? The Mumps and PCV-7 Experience  
Mark Sawyer, University of California at San Diego, La Jolla, CA

9:30 Beyond Maternal Vaccination: Protecting the Preterm Infant  
Pablo J. Sanchez, Nationwide Children’s Hospital - The Ohio State University, Columbus, OH

8:00am-10:00am
Pediatric Infectious Diseases Society

10:30am-12:30pm

4580  Emerging and Challenging Infections in Pediatrics
PAS Topic Symposium
Vancouver Convention Centre - East 211

Chairs: Barbara Ann Jantausch, Children’s National Medical Center, Washington, DC, Trudy V. Murphy, Centers for Disease Control and Prevention, Atlanta, GA

10:30  Neonatal Sepsis Syndrome Due to Human Parechoviruses
Rebecca E. Levorson, Fairfax Neonatal Associates, PC., Fairfax, VA

11:00  Hepatitis C Infection: What the Pediatric Infectious Diseases Specialist Needs to Know
Ronald J. Sokol, University of Colorado School of Medicine, Aurora, CO

11:30  Treating Clostridium difficile Infection: Strategies and Controversies
Thomas J. Sandora, Boston Children’s Hospital, Boston, MA

12:00  Helicobacter pylori: To Treat or Not to Treat, That is the Question
Steven J. Czinn, University of Maryland School of Medicine, Baltimore, MD

12:15pm-2:15pm

4610A  Emerging and Re-Emerging Infectious Diseases in Asia and Beyond
ASPR Topic Symposium
Vancouver Convention Centre - West 220

Target Audience: General pediatricians, infectious disease specialists and immunologists

Objective:
- To insure understanding and recognition of infectious diseases

Chairs: Yu Lung Lau, The University of Hong Kong, Hong Kong, Hong Kong, and Hiroyuki Moriuchi, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

The emerging and re-emerging infectious diseases are posing a great health risk of children for the last several years. The emergence of infectious diseases has great impacts on economic and social conditions, and has a risk of panic reaction. The diseases including tuberculosis, Dengue fever, EB virus, enterovirus and Penicillium marneffei are the subjects of the session. The infection is implicated in more severe diseases than thought, especially in immunocompromised patients. The audience should have updated knowledge for control of epidemic diseases, and of advances in basic scientific research. Pediatricians must contribute to the public health preparedness to control emerging and re-emerging diseases

12:15  EB Virus Infection and Hemophagocytic Lymphohistiocytosis
Shen Kunling, Beijing Childre’s Hospital, Beijing, China

12:40  Epidemiology of Human Enterovirus 71 in Asia
Mong How Ooi, Sarawak General Hospital, Kuching, Sarawak, Malaysia

1:05  Penicilliosis in HIV-Infected Children
Virat Sirisathan, Chiang Mai University, Chiang Mai, Thailand

1:30  Diagnosis of Tuberculosis in Children: Current Trends
Rajeshwar Dayal, S N Medical College, Agra, Uttar Pradesh, India

1:55  Dengue Virus Infection and Thalassemia
Amnapawan Chuansumrit, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Ratchatewi, Thailand

Visit the Pediatric Infectious Diseases Society at www.pids.org

Contact for PIDS information:
Christy Phillips, PIDS Executive Director
PIDS Headquarters
1300 Wilson Boulevard, Suite 300
Arlington, VA 22209
Phone: 703-299-6764
Email: cphillips@idsociety.org
URL: www.pids.org
The Programme for Global Paediatric Research

About the Programme for Global Paediatric Research

The Programme for Global Paediatric Research (PGPR) is an educator and a network facilitator, bringing together experts from around the world to share information, teach others and facilitate collaborations on clinical and research work to improve health outcomes for mothers and children in developing countries.

Registration Information

A registration fee set by the PAS is required to attend any PAS activities, including PGPR Symposia. Attendees may register onsite at the Vancouver Convention Centre.

Continuing Education

Continuing Education Credit is available through the PAS. See page 385 for complete information.

Saturday, May 3

8:00am-12:30 pm

1230A Global Child Health in Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice -- Part 1

PGPR State of the Art Plenary

Vancouver Convention Centre - East Ballroom A

Target Audience: Clinicians and scientists interested in global child health programs.

Objectives:
- Profiling the child health work that has taken place and is taking place in indigenous communities around the world
- Understanding the commonalities between problems of global child health in rich and poor countries

The PAS community of clinicians and researchers is committed to the study and care of children throughout the world. This includes children in both rich and poor countries, children within indigenous populations and within other underserved communities. The principles of care for all children should be consistent and lessons on how to achieve this consistency of care can flow both to and from underserved populations. This symposium profiles the lessons learned from indigenous health research and practice and invites a dialogue moving beyond the language of “us” and “them” and crossing borders, both real and imagined, to work toward attaining greater health outcomes for all children.

Chairs: Malcolm King, Simon Fraser University, Vancouver, BC, Canada; and Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada

12:10 General Discussion

1:00pm–3:00pm

1495A Global Child Health in Rich & Poor Countries: Lessons Learned from Indigenous Health Research & Practice: Part 2

Platform ~ Vancouver Convention Centre ~ Room East Ballroom A

Chairs: Robert Bortolussi, Dalhousie University, Halifax, NS, Canada; and Chandy John, University of Minnesota, Minneapolis, Minnesota

Refer to PAS Daily Programming for complete details.

1:00pm–4:00pm

Posters Available for Viewing

Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 1:00pm–4:00pm

Author Attendance and Opening Reception: 1:15pm–2:30pm
The Program For Global Paediatric Research

Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C

<table>
<thead>
<tr>
<th>Course #</th>
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<tr>
<td>1520</td>
<td>International Potpourri</td>
<td>247-303</td>
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<tr>
<td>1551</td>
<td>Neonatology: International Neonatal Follow-up</td>
<td>754-762</td>
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</tbody>
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Refer to PAS Daily Programming for complete details.

3:30pm-5:30pm

1620A Global Child Health in Rich and Poor Countries: Lessons Learned from Indigenous Health Research and Practice – Part 3
PGPR State of the Art Plenary
Vancouver Convention Centre – East Ballroom A

Target Audience: Clinicians and scientists interested in global child health programs.

Objectives:
- Profiling the child health work that has taken place and is taking place in indigenous communities around the world
- Understanding the commonalities between problems of global child health in rich and poor countries

The PAS community of clinicians and researchers is committed to the study and care of children throughout the world. This includes children in both rich and poor countries, children within indigenous populations and within other underserved communities. The principles of care for all children should be consistent and lessons on how to achieve this consistency of care can flow both to and from underserved populations. This symposium profiles the lessons learned from indigenous health research and practice and invites a dialogue moving beyond the language of “us” and “them” and crossing borders, both real and imagined, to work toward attaining greater health outcomes for all children.

Chairs: Malcolm King, Simon Fraser University, Vancouver, BC, Canada; and Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada

3:30 Approaches to Adolescent Behavioral and Mental Health Promotion in Indigenous Communities
Allison Barlow, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

4:00 Optimizing Child Development: An Aboriginal Perspective
Janet Smylie, St. Michael’s Hospital, Toronto, ON, Canada

4:30 Panel Discussion on Indigenous Health Issues and Lessons Learned from Global Health

5:15 Ceremonial Closing by a Local Indigenous Elder

Sunday, May 4

1:00pm–3:00pm

2720 Global Pediatric Research: Perinatal / Neonatal
Platform ~ Vancouver Convention Centre ~ Room West 110

Chairs: Edward Liechty and Jennifer Read

Refer to PAS Daily Programming for complete details.

4:15pm–7:30pm

Posters Available for Viewing
Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm–7:30pm
Author Attendance: 5:45pm–7:30pm
Target Audience: Faculty, residents and fellows interested in creating lasting partnerships in global health for education and research.

2462 Building Academic Partnerships in Pediatric Global Health at Home and Abroad: From Concept to Implementation
PAS Workshop
Vancouver Convention Centre - East 19

Target Audience: Faculty, residents and fellows interested in creating lasting partnerships in global health for education and research.

Objectives:
- Describe 3 successful models of academic collaboration in global health
- Discuss the practical strategies used in forming global health partnerships
- Share perspectives on strategies and challenges involved in establishing global health partnerships

Leader: Patricia McQuilkin, Co-Leaders: Rebecca Chancey, Donna Staton, Jacqueline Gautier, Jeff Kempf, Michael Koster, Cliff O’Callahan, Sia Camanor, Roseda Marshall, Michelle Niescierenko, Raissa Teteli, MD, pediatric faculty, Kigali, Rwanda, Natalie McCall, MD, PhD, pediatric faculty, Kigali, Rwanda

Interest in global health amongst US academic institutions has skyrocketed in the past 3 decades. In response to this heightened interest, several academic partnerships have been created between academic institutions in low/middle income countries and academic institutions in high-income countries. The goals of these relationships is to provide partnerships in medical education, research and training which are beneficial to both parties. Multi-institution collaboration increases resources to make long term impact and allows for small and large universities to contribute in meaningful ways.

In this workshop we will review three successful models of multi-institution academic collaboration in 3 settings: Haiti, Liberia and Rwanda. We have invited faculty from the US and host countries to share their experiences in setting up academic collaborations. We will discuss the important components of establishing and fostering such partnerships, and attempt to establish best practices.

Sunday, May 4

8:30am-11:30am

2270 APA Global Health Task Force: Developing Faculty Competencies in Global Child Health
APA Special Symposium
Vancouver Convention Centre - West 222

Chair: Ruth Etzel

The APA Global Health Task Force has developed a consensus statement on faculty competencies needed to provide clinical service, research and teaching and administration in global settings. The statement, which was drafted by APA Global Health Task Force members from the Academic Pediatric Association, the Association of Pediatric Program Directors, the American Academy of Pediatrics, the Canadian Pediatric Society, and the Programme for Global Pediatric Research, will be released at this session.

8:30 Welcome
Ruth Etzel

8:35 Faculty Competencies in Global Health
Faculty Competencies in Global Health Research
Ruth Etzel and Bob Bortolussi
Faculty Competencies in Clinical Care
Mirzada Kurbasic and Yvonne Vaucher
Faculty Competencies in Education
Melanie Ansopher and Nicole St. Clair
Faculty Competencies in Administration
Cindy Howard and Chandy John

9:30 Research in Global Health: Qualitative Survey Results
Andrew Sherman

10:30 Plan for Transition
Ruth Etzel, Mirzada Kurbasic and Suzinne Pak-Gorstein

12:00pm-3:00pm

2486 Web-Based Global Health Education in Residency: The Global Child Health Educational Modules
PAS Workshop
Vancouver Convention Centre - West 116

Target Audience: Students/residents, faculty educators, program directors interested in teaching and curriculum development in global health topics.

Objectives:
- Describe key components of the Global Child Health Educational Modules Program (GCHEMP) and strategies to promote effective independent learning
- Explore effective strategies to incorporate GCHEMP into residency programs
- Evaluate progress toward GH competencies and ACGME pediatric milestones

Leader: Suzinne Pak-Gorstein, Co-Leaders: Deborah Campbell, Brian Good, Salwa Khan, Cinnamon Dixon, Troy Jacobs, Kevin Chan, Michelle Eckerle, Michael Pit, Colleen Fulp

GCHEMP involves a series of interactive, case-based, audio-sound, peer-reviewed web modules that highlight public health and pediatric perspectives in global health. This workshop will equip participants with tools to develop and augment residency GH curricula through use of the GCHEMP modules, while assisting programs to meet ACGME pediatric milestones. The facilitators, with extensive GH experience, are developers of the modules. Topics include: Preparing for GH electives, Cultural aspects of GH, Child Malnutrition in Developing countries, Approach to Respiratory illness, Trauma, Injury Prevention, and Diarrheal Diseases. Explore a module: http://depts.washington.edu/gcheme/ Malnutrition/player.html. Small groups will engage in hands-on module demonstrations and explore strategies for integrating the modules into training. Facilitators will then present a framework to incorporate the modules into residency curriculum. A CD of tools will be distributed that includes GH curriculum planning template, learner performance metrics, and module teaching instruments (focus questions for discussion, pre/post questionnaires, web resources, etc), along with links to sample on-line modules. A second small group session will guide participants in the application of these tools and framework and design a plan to evaluate and implement training. Participants are encouraged to bring own laptop to view the modules and thumbdrive to load materials if preferred; extra laptops will also be provided at the workshop.
**Monday, May 5**

8:30am-11:30am

**3252 Global Health**

PAS Special Interest Group  
Vancouver Convention Centre - West 122

Chairs: Mirza Kurkbas, mirzada.kurbasic@louisville.edu, and Suzinne Pak-Gorstein, spakgor@uw.edu

Title: Successful Approaches and Partnerships to Address Chronic Conditions and Non-Communicable Diseases in Developing Countries

Children face immense challenges in receiving routine care for chronic non-communicable conditions such as developmental disabilities, diabetes, sickle cell disease, and cancer, as well as chronic infectious diseases such as tuberculosis and HIV. The APA Global Health SIG program will highlight successful models and approaches to address these problems. The keynote speaker Isaac Odame, will discuss actionable steps to mitigate the high burden of non-communicable diseases in LMICs. A panel of international leaders, Bob Armstrong, Toni Moran, Siawata Camanor, and Kate Armstrong, will discuss key ingredients for effective international collaboration tackling chronic conditions.

8:30  **WELCOME & Announcement of the GLOBAL HEALTH RESEARCH AWARD**  
2014 GH Research Awardee : Dr. Ruth Namazzi from Uganda.

8:45  **KEY NOTE SPEAKER**  
Issac Odame, MB ChB, MRCP(UK), FRCPath  
“Addressing Chronic Conditions and Non-Communicable Diseases in Developing Countries through Partnerships”  
Medical Director, Global Sickle Cell Disease Network (GSCDN), PGPR  
Co-Director, Haemoglobinopathy Program, Hospital for Sick Children, University Toronto

9:30  **GLOBAL HEALTH PANEL**  
“What are the Priority Challenges and Key Ingredients to Successful International Collaborations addressing Chronic Diseases?”  
Voices from Pediatric Leadership  
Robert Armstrong, MD, PhD, FRCPC  
Dean of Medicine, Chief Academic Officer, Aga Khan University, Nairobi, Kenya  
Past President, American Academy of Cerebral Palsy and Development Medicine

Kate Armstrong, BM, DCH, MPH  
Australia  
Advocating for Children with Chronic Conditions

President, Caring and Living as Neighbour (CLAN), Australia  
Chair, NCD Alliance Child-Focused Working Group

Siawata Camanor, FC PAEDS (SA) Liberia  
Local Challenges and Solutions to Care for Children with Chronic Diseases in Liberia

Director, Pediatric Chronic Illness Clinic, JFK Medical Center, Liberia  
Chair, Faculty of Pediatrics, Liberia College of Physicians and Surgeons

Antoinette Moran, MD, U Minn/Uganda partnership  
Diabetes and other Endocrine Diseases - Challenges and Sustainable partnerships

Professor, Division Chief, Pediatric Endocrinology and Diabetes, Univ Minnesota

11:20-11:30 Committees and Closing  
Presenters: Kate Armstrong, Siawata Camanor, Isaac Odame, Robert Armstrong, Antoinette Moran, and Ruth Namazzi
Tuesday, May 6

12:15pm-2:15pm

4620 Non Communicable Diseases – A Global Child Health Challenge
PAS State of the Art Plenary
Vancouver Convention Centre - West 110

Target Audience: This session will be of great interest to pediatricians knowledgeable in the care of children and the study of childhood disease, applying that knowledge to similar problems which have been neglected in low and middle income countries.

Objectives:
- To appreciate the importance of non communicable diseases in low and mid income countries
- To recognize the importance of adolescent disorders as a precursor to adult disease
- To recognize the importance of blood diseases which are well controlled in high income countries but major problems globally

Chairs: Alvin Zipursky, Hospital for Sick Children, Toronto, ON, Canada, and William J. Keenan, Saint Louis University, St Louis, MO

The millennium development goal have focused on reducing the global problems of communicable diseases, perinatal health, poverty and related issues. There is still much to be done in these areas. However, it is evident that no one communicable diseases are a major problem in developing countries and will become a worldwide focus in coming years. These problems include all the diseases of childhood and adolescence. This session will begin to consider these issues and recognize the international movement developed to study and solve these problems.

12:15 Noncommunicable Diseases and International Pediatric Association
William J. Keenan, Saint Louis University, St Louis, MO

12:25 NCD Child – An International Coalition
Kate Armstrong, NCD Child, Denistone, New South Wales, Australia

12:55 Neglected Blood Diseases of Childhood
Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA

1:25 Diabetes and Other Endocrine Disorders
Jean-Pierre Chanoine, British Columbia’s Children’s Hospital, Vancouver, BC, Canada

1:55 Adolescent Antecedents of Adult Disease
Robert William Blum, Bloomberg School of Public Health, Baltimore, MD

Refer to the online Track Schedule for a comprehensive list of global/international programming.

Continue to check the PAS website for program developments as they unfold.
**Clubs are open to all attendees at no additional fee.**

**Saturday, May 3**

**7:00am-9:00am**

**1075A Bilirubin Club: Newborn Screening for G6PD Deficiency**  
Pan Pacific Vancouver - Crystal Pavilion A

Target Audience: Pediatricians, neonatologists, bilirubin experts, public health, global child health, social scientists, hematology, metabolic, genetic and biochemical scientists, bios designers, medical device experts and family of children at risk for extreme hyperbilirubinemia.

Objectives:
- To understand the global burden of extreme neonatal hyperbilirubinemia
- To learn about newborn screening strategies for G6PD deficiency
- To review the impact of newborn screening on prevention of severe and extreme hyperbilirubinemia

Chairs: Vinod K. Bhutani and Michael Kaplan

Global screening strategies for neonatal G6PD deficiency to prevent extreme hyperbilirubinemia: Bilirubin Club 2014 will review the existing literature and clinical practices to determine neonatal G6PD deficiency. The discussants will review the current understanding of how severe and extreme neonatal hyperbilirubinemia due to G6PD deficiency can be screened and possibly prevented. An open forum will follow to debate: i) the diverse global experiences of newborn screening ii) clinical significance of neonatal G6PD deficiency; and iii) future directions to implement institutional and national strategies for neonatal G6PD screening.

**7:00** Extreme Neonatal Hyperbilirubinemia Due to G6PD Deficiency  
Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA

**7:10** Screening and Prevention of Severe Neonatal Hyperbilirubinemia Due to G6PD Deficiency  
Michael Kaplan, Shaare Zedek Medical Center, Jerusalem, Israel

**7:20** Screening and Prevention of Severe Neonatal Hyperbilirubinemia: A Model Program in USA  
Mary L. Nock, Rainbow Babies and Children’s Hospital, University Hospitals Case Medical Center, Cleveland, OH

**7:50** DISCUSSION: Invited Global Experiences with Neonatal G6PD Screening  
Jon F. Watchko, Magee-Women’s Hospital, Univ of Pittsburgh Sc of M, Pittsburgh, PA

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

Contact for information:
Vinod K. Bhutani  
Stanford University School of Medicine  
Phone: 650-723-5711  
Email: bhutani@stanford.edu

12:15pm-1:30pm

**1462A Neonatal Feeding Club**  
Vancouver Convention Centre - West 306

Target Audience: Scientists and clinicians involved with the care of the preterm infant. Appeal will be the genetic and multisensory aspects of feeding development, and the potential development of a noninvasive point-of-care assay capable of assessing oral feeding maturity in the newborn.

Objectives:
- To gain knowledge on the application of salivary gene expression analyses to quantify the expression of genes related to feeding
- To gain knowledge of the sequential development of the senses in relation to oral feeding in the preterm infant

Chair: Steven M. Barlow, University of Nebraska, Lincoln, NE

Determining the role of genetics and experience in the development of feeding skills remains a clinical challenge for neonatal caregivers. Recently, it has been shown that salivary gene expression analyses conducted on saliva can detect and quantify the expression of genes associated with hypothalamic regulation of feeding behavior, and development of orofacial musculature, cranial nerves, sensory integration, and the gastrointestinal and nervous systems. This research is leading to the development of a noninvasive point-of-care assay capable of assessing oral feeding maturity in the newborn. Sequential development of the senses (tactile-vestibular-chemical-auditory-visual) and untimely stimulation may be detrimental to sensory maturation among preterm infants who are deprived of the early emerging senses and over-exposed to later emerging senses. Researchers have tried to mimic the sensory environment of the womb within the NICU to maintain the appropriate sequence of sensory development and improve critical outcomes such as oral feeding.

12:00 Genetics and Multisensory Aspects of Oral Feeding in the Preterm Infant  
Steven M. Barlow, University of Nebraska, Lincoln, NE

12:05 Gene Expression Analysis of Oral Feeding Maturity in the Newborn  
Jill Lamanna Maron, Tufts Medical Center, Boston, MA

12:30 Multisensory Processing and Oromotor Development in the Preterm Infant  
Emily Zimmerman, Northeastern University, Boston, MA

12:55 Discussion

Supported by an educational grant from Innara Health

Contact for information:
Steven M. Barlow  
University of Kansas  
Phone: 785-749-1004  
Email: smbarlow@ku.edu

12:45pm-2:15pm

**1490A NICU Follow-Up Models of Care: Lessons Learned from Other Countries**  
Vancouver Convention Centre - West 301-305

Target Audience: Neonatologists, developmental pediatricians, general pediatricians, psychologists, family medicine physicians, pediatric residents and fellows.

Objectives:
Describe the Canadian model for NICU follow-up
Discuss how National Health Insurance helps or hinders the availability and delivery of NICU follow-up and early intervention services
Compare models of NICU follow-up care in different countries

Chair: Ricki Goldstein, Duke University Medical Center, Durham, NC

Speakers: Anne Synnes, University of British Columbia, Vancouver, BC, Canada

In this session the speakers will compare and contrast models of neonatal follow-up in different countries. Dr. Anne Synnes, a neonatologist at the University of British Columbia and chair of the Canadian Neonatal Follow-up Network, will discuss the Canadian system of NICU Follow-up with respect to its strengths and weaknesses, eligibility for and availability of intervention services for NICU graduates, effect of National Health Insurance on availability and delivery of follow-up, and short and long-term outcomes compared to other countries. A panel discussion will follow.

Supported by an unrestricted educational grant from Abbott Nutrition

Contact for information:
Jim Couto  
American Academy of Pediatrics  
Phone: 847-434-7656  
Email: jcouto@aap.org
7:30pm-8:45pm

**1900A  Neonatal Hemodynamics Club**
Hyatt Regency Vancouver, Regency D - F

Target Audience: Neonatologists, cardiologists, pediatric intensivist and obstetricians involved in the care of the newborn and translational and clinical researchers interested in developmental cardiovascular physiology and the role of delayed cord clamping in affecting transitional hemodynamics and brain injury in very preterm neonates during the transitional period.

Objectives:
- Transitional cardiovascular physiology and delayed cord clamping
- Effects of delayed cord clamping on systemic and pulmonary hemodynamics in animal models and preterm neonates
- Hemodynamics and clinically relevant effects of delayed cord clamping in very preterm neonates

Chair: Istvan Seri, Keck School of Medicine USC, Los Angeles, CA

The Neonatal Hemodynamics Club addresses clinically relevant topics in neonatal-perinatal medicine with a special focus on developmental cardiovascular physiology and neonatal hemodynamics. Since its inception in 2004, experts in this field discussed novel, clinically relevant concepts in developmental cardiovascular physiology, gave insights into the pathophysiology and treatment of neonatal shock and relative adrenal insufficiency, examined the changes in cerebral oxygenation during neonatal transition, discussed persistent patent ductus arteriosus, persistent pulmonary hypertension of the newborn and novel approaches of imaging of the structure and function of the developing heart, identified the clinically relevant factors affecting myocardial function during transition, and presented data on the hemodynamic antecedents of P/IVH. The Hemodynamics Club in 2013 will discuss the cardiovascular physiology of neonatal transition with a special focus on timing of cord clamping and examine the changes in transitional hemodynamics associated with and the clinical relevance of delayed cord clamping in very preterm neonates.

7:30  **Physiology and Clinical Relevance of Delayed Cord Clamping**
7:40  **Physiology of the Circulatory Transition with Special Focus on the Impact of the Timing of Cord Clamping**
Stuart B. Hooper, Monash Institute of Medical Research, Clayton, Victoria, Australia

8:10  **The Clinical Rationale of Delayed Cord Clamping**
Martin Kluckow, Royal North Shore Hospital, St Leonards, NSW, Australia

8:40  **Discussion**

Contact for information:
Istvan Seri
Children’s Hospital Los Angeles and Women’s and Children’s Hospital, University of Southern California
Phone: (323) 361-5939
Email: iseri@chla.usc.edu

Sunday, May 4

11:45am-1:00pm

**2445A  Perinatal Brain Club: Old Drugs – New Uses for Neuroprotection – Are They Ready for Prime Time?**
Vancouver Convention Centre – West Ballroom C

Target Audience: Scientist and clinicians involved in the management of newborns at risk for reperfusion injury following hypoxia-ischemia and the treatment of neonatal seizures.

Objectives:
- To understand the potential role of Melatonin in reducing reperfusion injury following hypoxia-ischemia
- To understand the potential role of Chromylin in reducing reperfusion injury following hypoxia-ischemia
- To understand the mechanisms whereby Bumetanide may reduce neonatal seizures as well as the potential clinical benefit

Chair: Jeffrey Michael Perlman, New York Presbyterian Hospital, New York, NY

This session will focus on the role of old drugs previously used for other medical purposes now being evaluated for their potential role in reducing brain injury following hypoxia-ischemia as well treating neonatal seizures.

11:45  **Introduction – New Strategies to Prevent Reperfusion Injury in Newborn Infants**
Jeffrey Michael Perlman, New York Presbyterian Hospital, New York, NY

11:55  **Melatonin as an Adjunct to Hypothermia for Neuroprotection**
Nicola J. Robertson, University College London, London, United Kingdom

12:15  **Chromylin as an Adjunct to Hypothermia for Neuroprotection**
Susan J. Vannucci, Weill Cornell Medical College, New York, NY

12:35  **Bumetanide for the Treatment of Neonatal Seizures**
Janet Soul, Boston Children’s Hospital, Boston, MA

12:50  **Discussion**

Contact for information:
Jeffrey M. Perlman
Weill Cornell Medical College
Phone: 212-746-3530
Email: jmp2007@med.cornell.edu

1:00pm-2:30pm

**2645A  Milk Club**
Vancouver Convention Centre – East 8

Target Audience: Scientists involved in research with human milk and/or immunology and any interested clinicians on this cutting edge topic.

Objectives:
- Summarize mechanisms by which HMOs shape the intestinal microbiota of the infant
- Describe the clinical implications of maternal secretor status
- Describe associations between the fecal microbiota and markers of immune response to vaccination
- Describe the impact of infant feeding on the development of intestinal microbiota during the first year of life

Chair: Caroline J. Chantry, U California Davis Medical Center, Sacramento, CA
Human milk has been shown to modify infant gut microbiota and at the same time is recognized as an important postpartum modulation of metabolic and immunologic programming related to infant health. Infants delivered by cesarean delivery compared with vaginally born infants have differences in their microbiota composition suggesting that mother-infant transmission of microbiota occurs during vaginal delivery. The milk microbiome is likely influenced by several factors and in this year’s Milk Club we have two expert speakers Dr. Mark Underwood and Dr. Nancy Krebs who will share their research and perspectives on the topic.

1:00 Introduction and Welcome to Milk Club
Caroline J. Chantry, U California Davis Medical Center, Sacramento, CA

1:05 Human Milk Oligosaccharides, Intestinal Microbiota and the Development of the Immune Response
Mark A. Underwood, University of California Davis, Sacramento, CA

1:40 Clinical Perspectives on the Infant Enteric Microbiome: Effects of Dietary Exposures
Nancy F. Krebs, University of Colorado, Aurora, CO

2:15 Discussion
Contact for information:
Maya Bunik
University of Colorado, Denver
Phone: 720-777-3890
Email: maya.bunik@childrenscolorado.org

2:00pm-3:00pm

2765A Neonatal Sepsis Club - The Unrecognized Impact of Systemic Infection on the Immature Brain - Opportunities to Improve Outcomes
Vancouver Convention Centre – East Ballroom A

2:00 Welcome and Introduction
David Alan Kaufman, University of Virginia School of Medicine, Charlottesville, VA

2:05 Presentation
Terrie E. Inder, Brigham and Women’s Hospital, Boston, MA

2:40 Discussion
Chair: David Kaufman (University of Virginia School of Medicine)
Committee: Karen Fairchild (University of Virginia School of Medicine), Danny Benjamin (Duke University), Mary Cay Harris (University of Pennsylvania School of Medicine), Ofer Levy (Harvard Medical School), Pablo Sanchez (Nationwide Children’s Hospital), and Kelly Wade (University of Pennsylvania School of Medicine)

Contact for information:
David Kaufman
University of Virginia School of Medicine
University of Virginia Children’s Hospital
Phone: 434-924-9114
Email: dak4r@virginia.edu

12:00pm-1:00pm

3435A 31st Annual Audrey K. Brown Kernicterus Symposium
Vancouver Convention Centre – East Ballroom B
Target Audience: Practitioners who take care of newborn infants or follow them up after birth.

Objectives:
- Know how phototherapy works
- Know how to use phototherapy for extremely low birth weight infants
- Achieve maximum phototherapy efficiency and avoid potential phototoxicity in extremely low birth weight infants

Chairs: David K. Stevenson, Stanford University School of Medicine, Palo Alto, CA, and Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA and William A. Cashore, MD, Professor of Pediatrics, The Warren Alpert Medical School of Brown University, Providence, RI

The Kernicterus Symposium is offered annually as a didactic educational session designed to provide the most up-to-date information about important topics related to neonatal jaundice and its prevention or treatment.

12:00 A Biophysicist’s View of Phototherapy: Action Spectrum and Hematocrit Dependence
Angelo A. Lamola, Stanford University School of Medicine, Palo Alto, CA

12:30 Phototherapy for Neonatal Jaundice – Still Room for Improvement?
Thor Willy Ruud Hansen, Oslo University Hospital, Oslo, Norway and Finn Ebnesen, Aalborg University Hospital, Aalborg, Denmark

1:00 Discussion
Contact for information:
David K. Stevenson
Stanford University School of Medicine
Phone: 650-723-5711
Email: dstevenson@stanford.edu

12:00pm-1:00pm

3437A Directors of Research in Pediatrics
Vancouver Convention Centre – East 8

Speaker: De-Ann M. Pillers, University of Wisconsin-Madison, Madison, WI and Nina G. Schor

Supported by an unrestricted educational grant Discovery Labs, Inc.

12:00 Why a PHM Club?
Daniel Rauch, Elmhurst Hospital Center/Ichan School of Medicine at Mt. Sinai, Elmhurst, NY

12:05 Discussion
Jointly sponsored by the American Academy of Pediatrics and the Pediatric Academic Societies

Contact for information:
Daniel Rauch
Elmhurst Hospital Center/Icahn School of Medicine at Mt. Sinai
Phone: 718-334-2775
Email: darauch@aap.net
12:00pm-1:30pm

3465A Bioethics Interest Group - Is Brain Death Really Death?
Vancouver Convention Centre - West 306

Target Audience: All pediatric health care professionals or others interested in ethical issues in pediatrics and in ethics in general

Objectives:
- To review current brain death criteria
- To outline recent cases where the use of brain death criteria have caused conflict between families and health care providers
- To debate the validity and the utility of brain death criteria

Chairs: Susan G. Albersheim, University of British Columbia, Vancouver, BC Canada

This will be a debate with an initial brief outline of the issue, presentation of Pro and Con stances, rebuttal by speakers, and ample time for audience participation and discussion.

Is Brain Death Really Death? McMath, Munoz and Benson Revisited
12:00 Introduction
Susan G. Albersheim, University of British Columbia, Vancouver, BC Canada

12:10 Pro
Benjamin Wilfond, University of Washington School of Medicine, Seattle, WA

12:30 Con
Robert D. Truog, Children's Hospital Boston, Boston, MA

12:50 Rebuttals

1:00 Discussion

Contact for information:
Susan Albersheim
University of British Columbia
Children’s and Women’s Hospitals of British Columbia
Phone: 604-875-2135
Email: salbersheim@cw.bc.ca

5:45pm-7:00pm

3950A Perinatal Nutrition and Metabolism Club: Translating Nutritional Scientific Knowledge into Nutritional Products
Vancouver Convention Centre - West Ballroom C

Target Audience: Scientists and clinicians involved with nutritional research and whose focus is on the provision of nutritional support to high risk infants.

Objectives:
- Describe steps involved in the translation of new nutritional findings to the appearance of new products in the clinical arena
- Discuss factors such as the strength of scientific data and regulatory issues that influence the development of new nutritional products
- Discuss the role of clinicians/investigators in facilitating this translational process

Chairs: Richard Allan Ehrenkranz, Yale University School of Medicine, New Haven, CT, and Brenda Poindexter, Indiana University School of Medicine, Indianapolis, IN

Each year research studies report nutritional and metabolic findings that will supposedly improve the nutritional status, growth and outcomes of infants, especially preterm infants. However, it seems that translating those observations into improving nutritional products often takes years, if even accomplished. This session will use current or recent examples of nutritional findings to review the challenges of translating new scientific knowledge into nutritional products.

5:45 Translating Nutritional Scientific Knowledge into Nutritional Products
Russell J. Merritt, USC, Los Angeles, CA

Supported by an unrestricted educational grant from Abbott Nutrition

Contact for Information:
Brenda Poindexter
Indiana University School of Medicine
Phone: 317-274-4768
Email: bpoindex@iupui.edu

7:45pm-9:00pm

3985A Lung Club: The Newborn Lung: Handle with Care!
Fairmont Waterfront Vancouver, Waterfront Ballroom

Target Audience: Neonatologists, pediatric pulmonologists, biologists, epidemiologists.

Objectives:
- Understand the biologic underpinnings of neonatal lung disorders
- Understand the biologic rationale for therapeutic interventions to prevent or treat lung injury in early life
- Understand the longer term implications of neonatal respiratory disorders

Chairs: Richard J. Martin, Rainbow Babies & Children's Hospital, Cleveland, OH, and Robin H. Steinhorn, UC Davis Children's Hospital, Sacramento, CA

The Lung Club focuses on integration of basic science, translational research, and clinical trials as they impact upon neonatal respiratory disorders and their longer term outcome.

7:45 Lung Club: The Newborn Lung: Handle with Care!
Peter G. Davis, The Royal Women's Hospital, Parkville, Vic, Australia

8:30 Discussion

Supported by an unrestricted educational grant from Cornerstone Therapeutics, Inc

Contact for Information:
Richard J. Martin, MD
Rainbow Babies & Children’s Hospital
Phone: 216-844-3387
Email: rjm6@case.edu
The 26th Annual Meeting of the ESPR was held on March 21-23, 2014 at the Doubletree Hotel, Philadelphia, PA.

There were 572 considered abstracts submitted and 458 were chosen for presentation. Attendees enjoyed:
- Three outstanding plenary sessions from Drs. Robin Steinhorn, MD (University of California Davis School of Medicine), James Padbury, MD (Women & Infants Hospital) and Robert Wood, MD (John Hopkins University School of Medicine)
- Fellows Interesting Clinical Case Contest, along with
- Faculty and Trainee Young Investigator Award competitions, plus
- Twenty-eight excellent subspecialty platform sessions and four expanded poster sessions.

The ESPR would like to thank staff in the APS/SPR office for their continued help and support. Their efforts and assistance have fully integrated the ESPR with the PAS.

We particularly wish to thank our Academic and Corporate Sponsors for making the Annual Meeting possible. Their contributions are acknowledged on the ESPR website at https://www.aps-spr.org/ESPR.

The ESPR welcomes investigators in all pediatric disciplines from within our region to apply for membership! As a young investigator engaged in clinical or laboratory research in pediatrics, you will have the opportunity to join a regional organization whose mission is to encourage your research endeavors. Through our annual meeting, we provide a forum for the presentation and dissemination of your innovative ideas and research, an opportunity to network with more senior investigators, and special topics of particular interest to those early in their investigative careers. The Eastern region spans from New England south to Northern Virginia and the D.C. suburbs, west through New York State, Pennsylvania and West Virginia, including Toronto and Eastern Canada. Please see our website for details on applying for membership.

**Eastern SPR Faculty Young Investigator Award Finalists**
- Tiffani Johnson (Children's Hospital of Philadelphia)
- Hamid Bassiri (Children’s Hospital of Philadelphia)
- Jayasree Nair (State University of New York at Buffalo)

**Eastern SPR Trainee Young Investigator Award Finalists**
- Praveen Chandrasekharan (Women and Children Hospital of Buffalo)
- Elizabeth Enlow (Children’s Hospital of Philadelphia)
- Samarth Shukla (Cohen Children’s Medical Center of New York)

**2015 ESPR Annual Meeting**

**Contact for Information:**
- Dr. Vineet Bhandari: Dr. Michael Posencheg
- President, Eastern SPR: Secretary, Eastern SPR
- Yale University School of Medicine: University of Pennsylvania
- Email: vineet.bhandari@yale.edu: Email: michael.posencheg@uphs.upenn.edu

https://www.aps-spr.org/ESPR/default.htm

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The 2013 MWSPR Annual Meeting was held October 10-11, 2013 in Minneapolis, MN, hosted by the Department of Pediatrics and Amplatz Children’s Hospital. 90 abstracts were presented in oral (30) or poster (60) presentations and the following award recipients were honored:

**Career Contributions Founders Award**
- Howard Kilbride, MD, from the University of Missouri-Kansas City and Children’s Mercy Hospital

**Outstanding Abstract Presentations**
- Undergraduate or Medical Student
- Richard C. Godby, Medical Student, from University of Cincinnati, Cincinnati, Cleveland Clinic Student Award

**Resident or Fellow Trainee Awards**
- Brittany L. Kipstein, MD, Fellow from Washington University, St. Louis
- Frederic M. Kenny Memorial Award
- Lauritz Meyer, MD, Fellow from University of Iowa, Iowa City
- William Segar Trainee Award for Project with Most Clinical Impact
- Trainee Poster Awards
- Frances A. Boyle, Student, Indiana University
- Stanley Phillips Trainee Award for Best Clinical Poster
- BreAnn Sheehan, Fellow Indiana University
- Stanley Phillips Trainee Award for Best Basic Poster
- Junior Faculty Member
- Craig A. Byersderfer, from the University of Michigan
- James Sutherland Award

**State-of-the-Art Keynote speakers included:**
- Jerry R. Mendell, MD, PhD, Professor and Director of the Center for Gene Therapy, The Ohio State University presented on Gene therapy, The Ohio State University presented on Gene therapy in muscular dystrophy.
- Christopher L. Coe, PhD, W.B. Cannon Professor, University of Wisconsin presented on Iron Deficiency and Neonatal Development.
- Lynda Polgreen, MD, Assistant Professor, The University of Minnesota, Amplatz Children’s Hospital presented on Vitamin D and Immunity.

**2013 MWSPR Annual Meeting**
- Location and Dates: Cleveland Clinic, Cleveland, OH
- October 30-31 2014, Cleveland Clinic, Cleveland, OH
- Contact for Information:
- Pamela J. Kling, M.D.
- University of Wisconsin and Meriter Hospital, Neonatology
- 202 S. Park St., Madison, WI 53715-1596
- Email: pkling@pediatrics.wisc.edu

https://www.aps-spr.org/Regional_Societies/MWSPR/default.htm
**Southern Society for Pediatric Research (SSPR)**

The 2014 SSPR Annual Meeting took place in New Orleans at the InterContinental Hotel on February 20-22, as a component of the Southern Regional Meetings. Abstracts were presented by poster or oral presentation. The SSPR sponsored a workshop in manuscript preparation and review, an APA/SSPR pediatric clinical case symposium and a mentor poster-walk for trainees. The joint plenary session examined “Transition from Pediatric to Adult Care.” At the SSPR Red Hot “Chili” Symposium, Dr. Robert Castro from Stanford spoke about Perinatal/Neonatal Malpractice Review. The following awardees were honored:

**2014 Clinical Science Young Investigator Award**
Holli Bagwell, University of Arkansas for Medical Sciences
“Improving Disaster Awareness and Preparedness Among Families of Children with Special Healthcare Needs”
**Finalists:** Courtney Jacobs, Louisiana State University Health Sciences Center
Alexandra Maxted, University of Tennessee Health Science Center

**2014 Basic Science Young Investigator Award**
Athar Arunachalam, Baylor College of Medicine
“P2Y2 Purinergic Receptor Function is Essential for the Pathogenesis of Polymicrobial Sepsis”
**Finalists:** C. Vivek Lal, University of Texas Southwestern
Kirtikumar Upadhyay, University of Tennessee Health Science Center

**2014 Young Faculty Awards**
Faizah Bhatti, University of Oklahoma Health Sciences Center
Mimily Harsano, University of Tennessee Health Sciences Center
Pinki Prasad, Louisiana State University Health Sciences Center
Binoy Shivanna, Baylor College of Medicine

**2014 Abbott Pediatric Educator Award**
Lucky Jain, Emory University

**2014 SSPR Founders’ Award**
Robert Castro, Stanford University

**Current President:**
Cynthia Blanco, University of Texas Health Sciences Center San Antonio

**President Elect (2015):** Donna Halloran, St. Louis University

**2015 SSPR Annual Meeting**
February 26-28, 2015 ~ New Orleans, LA
Abstract Deadline: October, 2014 (TBA), Check the Website: http://www.aps-spr.org/Regional_Societies/SSPR/2013/default.htm

**Membership Information**
Background—The Southern Society for Pediatric Research (SSPR) was organized in 1960 to provide a forum for pediatric investigators from the South to present their work and includes approximately 400 active members.

**Membership Categories**
Active members hold M.D. or Ph.D. degree and have an interest in pediatric research.
Honorary members are individuals who lack a doctoral degree but who have made significant contributions to pediatrics.

**How To Apply**—All applications must be proposed and seconded by 2 members of SSPR with accompanying letters supporting your application. Complete the Membership Application (found on SSPR website), attach accompanying letters, and mail, along with check for $65 to the address on the application. New Memberships are voted on at the Winter and Spring Councils.

**Contact for Information about Meeting or Membership:**
Jay Kerecman MD
Secretary, SSPR
Email: SSPR.Secretary@gmail.com

https://www.aps-spr.org/Regional_Societies/SSPR/default.htm

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**Western Society for Pediatric Research (WSPR)**

The 2014 WSPR Annual Meeting was held January 23 – 25, 2014 in Carmel, CA. The following award recipients were honored:

**2014 Abbott Nutritional Joseph St. Geme, Jr. Education Award**
William W. Hay, Jr., MD, University of Colorado

**2014 Abbott Nutrition Young Investigator Award**
Laura Brown, MD, University of Colorado

**2014 Abbott Nutrition David W. Smith Pediatric Trainee Research Award**
Sneha Taylor, MD, UCLA

**2014 Abbott Nutrition Lowell Glasgow Student Research Award**
Amanda Valdez, University of Washington

**2014 Abbott Pediatric Resident Research Award**
Danisha McCall, MD, University of New Mexico

**2014 Mead Johnson WSPR Travel Awardees:**
Christina Buyssee, Stanford University - Behavior and Development
Sandra Wai, University of Utah – Neonatology Developmental Biology
Natalia Gomez-Ospina, Stanford University – Morphogenesis and Malformations
Marie Mayer, UCSF, Fresno – Adolescent Medicine, General Pediatrics
Monica Sondhi, Stanford University – Neonatology General
Paldeep Atwal, Stanford University – Genetics
Mona Hanouni UCLA – Neonatal Pulmonary

**2014 Abbott Nutrition WSPR Subspecialty Awardees:**
Alexander Metoxen, University of Colorado – Neonatal Pulmonary
Michael Stein, University of British Columbia – Morphogenesis and Malformations
Sanaz Nagi, University of New Mexico – Neonatology General
Joseph Adewumi, University of Colorado – Neonatology Developmental Biology
Matthew Perez, University of Washington - Genetics
Vera Lyubasyuk, UC San Diego – Adolescent Medicine, General Pediatrics
Peter Boulou, U of Colorado – Behavior and Development

**2014 Stanley Wright Memorial Lecture:**
Robert Lane, MD (Epigenetics: The Future of Personalized Medicine)

**2014 State of the Art Lectures (WSPR Sessions)**
David Rowitch, UCSF - Neonatology Developmental Biology
Carol Matthews UCSF – Behavior and Development
Lawrence Prince, UC San Diego - Neonatal Pulmonary
Kate Rauen, UCSF – Morphogenesis and Malformations
Grace Aldrovandi, Childrens Hospital Los Angeles - Adolescent Medicine, General Pediatrics, Nephrology
Judy Aschner (Joan Hodgman Memorial Lecture) – Albert Einstein College of Medicine

**2015 WSPR Annual Meeting**
January 2 – January 2, 2015 in Carmel, CA
Abstract Deadline: October 1, 2014

The Western Society for Pediatric Research (WSPR) welcomes investigators from all nations and at all levels of career to apply for membership! As a young investigator engaged in clinical or laboratory research in pediatrics, you will have the opportunity to join an organization whose mission is to encourage research endeavors at all levels. Through our co-sponsorship of the Pediatric Academic Societies’ (PAS) Annual Meeting, we provide a forum for the presentation and dissemination of innovative ideas and research. Most important, the Society actively supports the development of future pediatric scientists by our sponsorship of trainee and young faculty travel awards, and recognizes outstanding research and education achievements in pediatrics through sponsored awards.

**Contact for Information:**
David Viskochil, M.D., Ph.D.
WSPR Secretary-Treasurer
University of Utah
E-mail: dave.viskochil@hsc.utah.edu

https://www.aps-spr.org/Regional_Societies/WSPR/default.htm

www.pas-meeting.org 365
**WE WELCOME**

all club, committee and social/alumni gatherings that meet in conjunction with the PAS.

Activities scheduled through the PAS office are listed in chronological order by date and time. This schedule is current as of March 19, 2014. Changes occurring after March 19 are noted in a listing of Program Changes that is available onsite in the registration area.

Detailed contents for Clubs and PAS Alliance Societies begin on page 300.

APS, SPR, APA, AAP, Council, Board, Business and Social Activities are located on page 366.

### Thursday, May 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am–11:00am</td>
<td>APA Board of Directors Meeting</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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<tr>
<td>8:00am–5:00pm</td>
<td>PES Board of Directors Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Azure</td>
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<tr>
<td>8:00am–5:00pm</td>
<td>Versartis Meeting</td>
<td>Fairmont Waterfront Vancouver–Terrace Room</td>
</tr>
<tr>
<td>10:00am–5:30pm</td>
<td>AGP Fellows Meeting</td>
<td>Fairmont Waterfront Vancouver–Malaspina Room</td>
</tr>
<tr>
<td>5:00pm–10:00pm</td>
<td>PIDS Board of Directors Spring Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Granville</td>
</tr>
<tr>
<td>5:45pm–6:30pm</td>
<td>AGP Fellows Meeting Reception</td>
<td>Fairmont Waterfront Vancouver–Malaspina Foyer</td>
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<tr>
<td>6:00pm–8:00pm</td>
<td>PAS Operating Committee Meeting</td>
<td>Fairmont Waterfront Vancouver–Burrard Suite</td>
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### Friday, May 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00am–1:00pm</td>
<td>IPRF Board of Trustees Meeting</td>
<td>Pan Pacific Vancouver–Oceanview 7</td>
</tr>
<tr>
<td>8:00am–10:00am</td>
<td>PES Drug and Therapeutic Committee Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Finback</td>
</tr>
<tr>
<td>8:00am–10:00am</td>
<td>PES History Committee</td>
<td>Sheraton Vancouver Wall Centrer–Vancouver</td>
</tr>
<tr>
<td>8:00am–10:00am</td>
<td>PES Program Directors Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Junior Ballroom C</td>
</tr>
<tr>
<td>8:00am–10:00am</td>
<td>PES Public Policy Council Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Hudson</td>
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<tr>
<td>8:00am–11:30am</td>
<td>PES Board of Directors Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Azure</td>
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<tr>
<td>8:00am–11:30am</td>
<td>PES Obesity Committee</td>
<td>Sheraton Vancouver Wall Centrer–Port McNeill</td>
</tr>
<tr>
<td>8:00am–12:00pm</td>
<td>PES Research Affairs</td>
<td>Sheraton Vancouver Wall Centrer–Vancouver</td>
</tr>
<tr>
<td>8:00am–5:00pm</td>
<td>Versartis Meeting</td>
<td>Fairmont Waterfront Vancouver–Terrace Room</td>
</tr>
<tr>
<td>8:00am–6:00pm</td>
<td>APA Board of Directors Meeting</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
</tr>
<tr>
<td>8:00am–6:00pm</td>
<td>Adults Born Preterm International Collaboration (APIC). Business meeting, by invitation.</td>
<td>Pan Pacific Vancouver–Pacific Rim 1</td>
</tr>
<tr>
<td>8:00am–6:00pm</td>
<td>APPD Forum for Fellowship Directors</td>
<td>Fairmont Waterfront Vancouver–MacKenzie Ballroom</td>
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<tr>
<td>8:30am–3:00pm</td>
<td>APS Council Meeting</td>
<td>Pan Pacific Vancouver–Oceanview 5</td>
</tr>
<tr>
<td>9:00am–12:00pm</td>
<td>MOCE</td>
<td>Sheraton Vancouver Wall Centrer–Columbia</td>
</tr>
<tr>
<td>10:00am–12:00pm</td>
<td>PES Education Council Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Beluga</td>
</tr>
<tr>
<td>10:00am–12:00pm</td>
<td>PES Program Committee Meeting</td>
<td>Sheraton Vancouver Wall Centrer–Port Alberni</td>
</tr>
<tr>
<td>10:00am–12:00pm</td>
<td>PES Training Council</td>
<td>Sheraton Vancouver Wall Centrer–Burrard</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td>Society for Pediatric Research Council Meeting</td>
<td>Pan Pacific Vancouver–Oceanview 2</td>
</tr>
<tr>
<td>11:30am–5:30pm</td>
<td>ASPN Council Meeting</td>
<td>Fairmont Waterfront Vancouver–Cheakamus Room</td>
</tr>
<tr>
<td>11:30am–5:30pm</td>
<td>ASPN Program Committee</td>
<td>Fairmont Waterfront Vancouver–Burrard Suite</td>
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<tr>
<td>12:00pm–1:00pm</td>
<td>PES Board and Chairs Lunch</td>
<td>Sheraton Vancouver Wall Centrer–Orca</td>
</tr>
<tr>
<td>12:00pm–1:00pm</td>
<td>SPR Fellows’ Section Members Business Meeting</td>
<td>Vancouver Convention Center–West 215</td>
</tr>
<tr>
<td>12:00pm–6:00pm</td>
<td>Child Health Translational Investigators</td>
<td>Pan Pacific Vancouver–Pacific Rim 2</td>
</tr>
<tr>
<td>12:00pm–9:00pm</td>
<td>PENUT Trial Investigators Meeting</td>
<td>Hyatt Regency Vancouver–Oxford</td>
</tr>
<tr>
<td>12:00pm–9:00pm</td>
<td>TOLSURF Investigators Meeting / NEAT-O Investigators Meeting</td>
<td>Hyatt Regency Vancouver–Regency D</td>
</tr>
<tr>
<td>1:00pm–3:00pm</td>
<td>PES Board and Committee Chairs</td>
<td>Sheraton Vancouver Wall Centrer–Granville</td>
</tr>
<tr>
<td>1:00pm–5:00pm</td>
<td>Adolescent PCOS consensus</td>
<td>Sheraton Vancouver Wall Centrer–Columbia</td>
</tr>
<tr>
<td>3:00pm–5:00pm</td>
<td>Human Growth Foundation Symposium</td>
<td>Pan Pacific Vancouver–Gazebo II</td>
</tr>
</tbody>
</table>

Alumni and Related Activities are not eligible for CME credit
### Alumni Gatherings and Related Activities

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00pm–5:00pm</td>
<td><strong>PES International Relations council</strong></td>
<td>Sheraton Vancouver Wall Centre–Blue Whale</td>
</tr>
<tr>
<td>3:00pm–5:00pm</td>
<td><strong>PES Practice Management</strong></td>
<td>Sheraton Vancouver Wall Centre–Hudson</td>
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<tr>
<td>3:00pm–6:00pm</td>
<td><strong>Textbook of Pediatric Care Editorial Meeting</strong></td>
<td>Fairmont Waterfront Vancouver–Nootka Room</td>
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<tr>
<td>3:15pm–5:15pm</td>
<td><strong>APS/SPR Joint Council Meeting</strong></td>
<td>Pan Pacific Vancouver–Crystal Pavilion A</td>
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<tr>
<td>4:00pm–6:00pm</td>
<td><strong>PES Ethics Committee</strong></td>
<td>Sheraton Vancouver Wall Centre–Burrard</td>
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<tr>
<td>5:00pm–6:00pm</td>
<td><strong>Pediatric Policy Council Meeting</strong></td>
<td>Pan Pacific Vancouver–Gallery Boardroom</td>
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<tr>
<td>5:00pm–8:00pm</td>
<td><strong>NAPRTCS Investigator Meeting</strong></td>
<td>Fairmont Waterfront Vancouver–Waterfront A</td>
</tr>
<tr>
<td>5:30pm–7:30pm</td>
<td><strong>Joint Chief Executive Officer - Pediatric Chair Session</strong></td>
<td>Pan Pacific Vancouver–Crystal Pavilion B-C</td>
</tr>
<tr>
<td>6:00pm–7:00pm</td>
<td><strong>Fellows meet and greet</strong></td>
<td>Sheraton Vancouver Wall Centre–Parksville</td>
</tr>
<tr>
<td>6:00pm–</td>
<td><strong>APA New Century Scholars Reception</strong></td>
<td>Sheraton Vancouver Wall Centre–Junior Ballroom C</td>
</tr>
<tr>
<td>9:00pm–10:30pm</td>
<td><strong>Yale Department of Pediatrics Reception</strong></td>
<td>Fairmont Waterfront Vancouver–Cheakamus</td>
</tr>
</tbody>
</table>

**Saturday, May 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30am–8:00am</td>
<td><strong>D-WHEEZE Trial Investigators Meeting</strong></td>
<td>Pan Pacific Vancouver–Gazebo 1</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td><strong>ASPN Training &amp; Certification Committee</strong></td>
<td>Fairmont Waterfront Vancouver–Nootka Room</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td><strong>John E. Lewy Foundation Board</strong></td>
<td>Fairmont Waterfront Vancouver–Seymour Boardroom</td>
</tr>
<tr>
<td>7:00am–11:00am</td>
<td><strong>CareFusion</strong></td>
<td>Pan Pacific Vancouver–Pacific Rim 2</td>
</tr>
<tr>
<td>7:00am–12:00pm</td>
<td><strong>Journal of Perinatology Editorial Board meeting</strong></td>
<td>Fairmont Waterfront Vancouver–Cheakamus Room</td>
</tr>
<tr>
<td>7:00am–5:00pm</td>
<td><strong>AAP Executive Staff Meetings</strong></td>
<td>Fairmont Waterfront Vancouver–Douglas Boardroom</td>
</tr>
<tr>
<td>8:00am–5:30pm</td>
<td><strong>ILCOR Neonatal Delegation</strong></td>
<td>Fairmont Waterfront Vancouver–MacKenzie II</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 1</strong></td>
<td>Sheraton Vancouver Wall Centre–Burrard</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 2</strong></td>
<td>Sheraton Vancouver Wall Centre–Columbia</td>
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<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 3</strong></td>
<td>Sheraton Vancouver Wall Centre–Hudson</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 4</strong></td>
<td>Sheraton Vancouver Wall Centre–Galiano</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 5</strong></td>
<td>Sheraton Vancouver Wall Centre–Vancouver</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Interview Room 6</strong></td>
<td>Sheraton Vancouver Wall Centre–Beluga</td>
</tr>
<tr>
<td>10:00am–3:00pm</td>
<td><strong>Pediatric Scientist Development Program Selection Committee Meeting</strong></td>
<td>Sheraton Vancouver Wall Centre–Granville</td>
</tr>
<tr>
<td>12:00pm–1:30pm</td>
<td><strong>Committee on Quality Transformation</strong></td>
<td>Hyatt Regency Vancouver–Georgia Ballroom</td>
</tr>
<tr>
<td>12:00pm–2:00pm</td>
<td><strong>Pediatric Research Editorial Board Meeting</strong></td>
<td>Pan Pacific Vancouver–Gazebo II</td>
</tr>
<tr>
<td>12:00pm–2:30pm</td>
<td><strong>NEJM Journal Watch Pediatrics &amp; Adolescent Medicine Board Meeting</strong></td>
<td>Pan Pacific Vancouver–Gallery Boardroom</td>
</tr>
<tr>
<td>12:00pm–8:00pm</td>
<td><strong>Pediatric Emergency Medicine Fellowship Directors Meeting</strong></td>
<td>Hyatt Regency Vancouver–Plaza C</td>
</tr>
<tr>
<td>12:30pm–1:30pm</td>
<td><strong>PES Past Officer’s Luncheon</strong></td>
<td>Pan Pacific Vancouver–Oceanview 8</td>
</tr>
<tr>
<td>1:00pm–2:00pm</td>
<td><strong>Mentorship Event Luncheon</strong></td>
<td>Hyatt Regency Vancouver–Regency Ballroom: A-F</td>
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<tr>
<td>3:00pm–4:30pm</td>
<td><strong>APS Committee on Diversity and Inclusion</strong></td>
<td>Vancouver Convention Centre–West 107</td>
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<tr>
<td>4:00pm–5:00pm</td>
<td><strong>ICAF Research Meeting</strong></td>
<td>Pan Pacific Vancouver–Pacific Rim 1</td>
</tr>
<tr>
<td>5:00pm–7:00pm</td>
<td><strong>MRI Consortium Evaluating White Matter Injury</strong></td>
<td>Pan Pacific Vancouver–Gazebo I</td>
</tr>
<tr>
<td>5:00pm–7:00pm</td>
<td><strong>PES MOCE Part 2</strong></td>
<td>Sheraton Vancouver Wall Centre–Pavilion Ballroom C</td>
</tr>
<tr>
<td>6:30pm–8:00pm</td>
<td><strong>AAP Section of Emergency Medicine, EMS Subcommittee</strong></td>
<td>Hyatt Regency Vancouver–Georgia A</td>
</tr>
<tr>
<td>6:30pm–8:00pm</td>
<td><strong>The State of Michigan Combined Academic Centers Reception</strong></td>
<td>Pan Pacific Vancouver–Crystal Pavilion A</td>
</tr>
<tr>
<td>6:30pm–8:00pm</td>
<td><strong>UC San Diego Department of Pediatrics Reception</strong></td>
<td>Pan Pacific Vancouver–Oceanview 7</td>
</tr>
<tr>
<td>6:30pm–8:30pm</td>
<td><strong>2014 Children’s Hospital Alumni and Friends Event</strong></td>
<td>Fairmont Waterfront Vancouver–Waterfront A</td>
</tr>
<tr>
<td>6:30pm–8:30pm</td>
<td><strong>Medical College of Wisconsin Department of Pediatrics Faculty and Alumni Reception</strong></td>
<td>Pan Pacific Vancouver–Oceanview 4</td>
</tr>
<tr>
<td>6:30pm–8:30pm</td>
<td><strong>UIUC, Department of Pediatrics, Alumni Reception</strong></td>
<td>Fairmont Waterfront Vancouver–Nootka Room</td>
</tr>
</tbody>
</table>
### Alumni Gatherings and Related Activities

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30pm–8:30pm</td>
<td>University of Colorado/Department of Pediatrics and Children's Hospital Colorado Reception</td>
<td>Pan Pacific Vancouver–Crystal Pavilion B</td>
</tr>
<tr>
<td>7:00pm–8:00pm</td>
<td>APS/SPR Student Research Program Reception</td>
<td>Vancouver Convention Centre–West 201</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Cincinnati Children’s Alumni and Colleagues Reception</td>
<td>Pan Pacific Vancouver–Cypress Suite</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Johns Hopkins University/Harriet Lane House Staff Alumni Reception</td>
<td>Hyatt Regency Vancouver–Regency A</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Nationwide Children’s Hospital Reception</td>
<td>Pan Pacific Vancouver–Crystal Pavilion C</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Reception for Friends of UC Davis Department of Pediatrics</td>
<td>Hyatt Regency Vancouver–Balmoral</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Seattle Children’s / UWSOM Dept. of Pediatrics Reception</td>
<td>Pan Pacific Vancouver–Pacific Rim 2</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>St. Christopher’s Hospital for Children Alumni Reception</td>
<td>Pan Pacific Vancouver–Oceanview 1</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>Stanford University, School of Medicine - Department of Pediatrics Reception</td>
<td>Pan Pacific Vancouver–Oceanview 6</td>
</tr>
<tr>
<td>7:00pm–9:00pm</td>
<td>UCLA Department of Pediatrics Reception</td>
<td>Pan Pacific Vancouver–Oceanview 2</td>
</tr>
<tr>
<td>7:00pm–10:00pm</td>
<td>CHOP Alumni Organization Reception</td>
<td>Fairmont Waterfront Vancouver–MacKenzie I</td>
</tr>
<tr>
<td>7:15pm–8:30pm</td>
<td>Pediatric Alumni Reception, University of Connecticut School of Medicine</td>
<td>Pan Pacific Vancouver–Oceanview 8</td>
</tr>
<tr>
<td>7:15pm–8:45pm</td>
<td>10th Annual Health Services Research Investigators and Trainees Reception</td>
<td>Pan Pacific Vancouver–Pacific Rim 1</td>
</tr>
<tr>
<td>7:30pm–9:00pm</td>
<td>Mayo Clinic Alumni Association Reception</td>
<td>Hyatt Regency Vancouver–Oxford</td>
</tr>
<tr>
<td>7:30pm–9:00pm</td>
<td>Rainbow Babies &amp; Children’s Hospital and Department of Pediatrics at Case Western Reserve University School of Medicine Reception</td>
<td>Hyatt Regency Vancouver–Prince of Wales</td>
</tr>
<tr>
<td>7:30pm–9:00pm</td>
<td>St. Louis Children’s Hospital Reception</td>
<td>Hyatt Regency Vancouver–Windsor</td>
</tr>
<tr>
<td>7:30pm–9:00pm</td>
<td>UCSF Department of Pediatrics Reception</td>
<td>Fairmont Waterfront Vancouver–Waterfront B</td>
</tr>
<tr>
<td>7:30pm–9:30pm</td>
<td>Albert Einstein College of Medicine, The Children's Hospital at Montefiore Reception</td>
<td>Pan Pacific Vancouver–Coal Harbour Suite</td>
</tr>
<tr>
<td>7:30pm–9:30pm</td>
<td>Indiana University School of Medicine / Riley Hospital for Children Alumni Guest Reception</td>
<td>Pan Pacific Vancouver–Gazebo II</td>
</tr>
<tr>
<td>7:30pm–9:30pm</td>
<td>Paediatric Chairs of Canada (PCC) - Canadian Reception</td>
<td>Fairmont Waterfront Vancouver–Waterfront C</td>
</tr>
<tr>
<td>7:30pm–9:30pm</td>
<td>University of Utah Department of Pediatrics Alumni Reception</td>
<td>Fairmont Waterfront Vancouver–MacKenzie II</td>
</tr>
<tr>
<td>7:30pm–9:30pm</td>
<td>Vanderbilt University Medical Center Alumni Reception</td>
<td>Pan Pacific Vancouver–Oceanview 5</td>
</tr>
<tr>
<td>7:30pm–10:30pm</td>
<td>Children’s Hospital of Pittsburgh of UPMC / Magee-Womens Hospital Reception</td>
<td>Pan Pacific Vancouver–Oceanview 3</td>
</tr>
<tr>
<td>8:00pm–9:00pm</td>
<td>URMC/Dept. of Pediatrics/Golisano Children’s Hospital Faculty &amp; Alumni Reception</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
</tr>
<tr>
<td>8:00pm–10:00pm</td>
<td>Reception for Alumni &amp; Friends hosted by the Department of Pediatrics, University of Wisconsin School of Medicine &amp; Public Health</td>
<td>Fairmont Waterfront Vancouver–Terrace Room</td>
</tr>
<tr>
<td>8:00pm–11:30pm</td>
<td>Children’s Healthcare of Atlanta and Emory University School of Medicine Department of Pediatrics Faculty, Alumni and Friends Reception</td>
<td>Fairmont Waterfront Vancouver–Malaspina</td>
</tr>
<tr>
<td>8:30pm–10:00pm</td>
<td>APPD Reception</td>
<td>Fairmont Waterfront Vancouver–Princess Louisa Suite</td>
</tr>
<tr>
<td>9:00pm–11:00pm</td>
<td>Duke Pediatrics Alumni Reception</td>
<td>Fairmont Waterfront Vancouver–Burrard Suite</td>
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<tr>
<td></td>
<td>APA Educational Scholars Reception</td>
<td>Sheraton Vancouver Wall Centre–Junior Ballroom A-B</td>
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#### Sunday, May 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>6:30am–8:00am</td>
<td>Neonatal Research Network Follow-up Meeting</td>
<td>Hyatt Regency Vancouver–Plaza A</td>
</tr>
<tr>
<td>7:00am–7:45am</td>
<td>ASPN Quality &amp; Payment Committee</td>
<td>Fairmont Waterfront Vancouver–MacKenzie 1</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>APS Advocacy Committee</td>
<td>Pan Pacific Vancouver–Boardroom</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>ASPN Clinical Affairs Committee</td>
<td>Fairmont Waterfront Vancouver–Waterfront A</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>ASPN Member Education Task Force</td>
<td>Fairmont Waterfront Vancouver–Nootka Room</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>ASPN Membership Committee</td>
<td>Fairmont Waterfront Vancouver–Waterfront B</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>ASPN Research Committee</td>
<td>Fairmont Waterfront Vancouver–MacKenzie 2</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>ASPN Training Program Directors Committee</td>
<td>Fairmont Waterfront Vancouver–Terrace Room</td>
</tr>
</tbody>
</table>
Alumni Gatherings and Related Activities

7:00am–8:00am  
**ASPN Workforce Committee**  
Fairmont Waterfront Vancouver–Cheakamus Room

7:00am–8:00am  
The JAMA Network Breakfast  
Hyatt Regency Vancouver–Plaza C

7:00am–8:30am  
iNea Annual Meeting  
Pan Pacific Vancouver–Gallery Boardroom

7:00am–8:30am  
**SPR Advocacy Committee**  
Vancouver Convention Centre–West 107

7:00am–9:00am  
**Council of Pediatric Subspecialties Spring Meeting**  
Fairmont Waterfront Vancouver–Malaspina Room

7:00am–5:00pm  
**AAP Executive Staff Meetings**  
Fairmont Waterfront Vancouver–Douglas Boardroom

7:45am–8:30am  
**ASPN Public Policy Committee**  
Fairmont Waterfront Vancouver–MacKenzie I

8:00am–9:30am  
**MOC Liaison Committee**  
Fairmont Hotel Vancouver–Boardroom

8:00am–12:00pm  
**Global Prevention of Kernicterus Network**  
Pan Pacific Vancouver–Cypress Suite

11:00am–12:30pm  
**APA Health Care Delivery Committee**  
Pan Pacific Vancouver–Gazebo I

11:00am–12:30pm  
**APA Public Policy and Advocacy Committee**  
Pan Pacific Vancouver–Gazebo II

11:00am–12:30pm  
**APA Research Committee**  
Pan Pacific Vancouver–Pacific Rim 1

11:00am–1:00pm  
**APA Education Committee**  
Pan Pacific Vancouver–Oceanview 1-2

11:00am–1:00pm  
**PES: Fellows lunch**  
Pan Pacific Vancouver–Oceanview 8

11:30am–12:30pm  
**ASPN Website Committee**  
Fairmont Waterfront Vancouver–Seymour Boardroom

12:00pm–1:00pm  
**Pediatric Emergency Medicine Collaborative Research Committee Meeting (PEM-CRC)**  
Hyatt Regency Vancouver–Balmoral

12:00pm–1:30pm  
**NEuroSIS Data Safety Monitoring (DMC) Committee Meeting**  
Pan Pacific Vancouver–Boardroom

1:00pm–4:00pm  
**Global Elimination of Rh Disease**  
Pan Pacific Vancouver–Cypress Suite

1:00pm–7:00pm  
**Pediatric Septic Shock Collaborative**  
Hyatt Regency Vancouver–Georgia Ballroom

4:00pm–5:00pm  
**AAP Section on Emergency Medicine - Committee for the Future (C4F)**  
Hyatt Regency Vancouver–Oxford

4:00pm–6:00pm  
**PGPR Advisory Group Meeting**  
Pan Pacific Vancouver–Crystal Pavilion C

4:00pm–10:30pm  
**Private Meeting Hosted by Questcor Pharmaceuticals**  
Hyatt Regency Vancouver–Prince of Wales

5:00pm–9:00pm  
**Community Pediatrics Training Initiative (CPTI)**  
Fairmont Waterfront Vancouver–Malaspina Room

6:00pm–7:00pm  
**APA President’s Reception**  
Fairmont Waterfront Vancouver–Nootka

6:00pm–8:15pm  
**Abbott Nutrition - Resident Learning Center Committee**  
Fairmont Waterfront Vancouver–Nootka

6:15pm–7:15pm  
**OPTIMIST - A Trial Collaborators’ Meeting**  
Pan Pacific Vancouver–Pacific Rim 2

6:45pm–8:00pm  
**SPR Communications Committee**  
Vancouver Convention Centre–West 215

7:00pm–9:00pm  
**NSR/NESTT Meeting**  
Pan Pacific Vancouver–Gallery Boardroom

7:30pm–9:00pm  
**Northwestern University Feinberg School of Medicine/Ann & Robert H. Lurie Children’s Hospital of Chicago (formerly Children’s Memorial Hospital) Reunion**  
Pan Pacific Vancouver–Oceanview 5

7:30pm–9:00pm  
**UNC Department of Pediatrics and North Carolina Children’s Hospital Reception**  
Pan Pacific Vancouver–Oceanview 3

7:30pm–9:30pm  
**Boston Medical Center Pediatric Alumni Reception**  
Pan Pacific Vancouver–Oceanview 2

7:30pm–9:30pm  
**Children’s Mercy/University of Kansas Alumni, Faculty and Friends Reception**  
Pan Pacific Vancouver–Oceanview 6

7:30pm–9:30pm  
**Children’s Hospital Los Angeles Reception**  
Pan Pacific Vancouver–MacKenzie I

7:30pm–9:30pm  
**Columbia University Medical Center/New York-Presbyterian Morgan Stanley Children’s Hospital Reception**  
Pan Pacific Vancouver–Oceanview 7

7:30pm–9:30pm  
**MSU College of Human Medicine/Helen DeVos Children’s Hospital/SHMG Reception**  
Pan Pacific Vancouver–Oceanview 4

7:30pm–9:30pm  
**Nemours/Jefferson Medical College Reception**  
Pan Pacific Vancouver–Oceanview 8

7:30pm–9:30pm  
**University of Florida-Gainesville/University of Florida-Jacksonville/University of Miami/University of South Florida/Florida Chapter of the american Academy of Pediatrics Reception**  
Pan Pacific Vancouver–Oceanview 5

7:30pm–9:30pm  
**University of Minnesota Department of Pediatrics Annual Reception at PAS**  
Pan Pacific Vancouver–Oceanview 1

7:30pm–10:00pm  
**Icahn School of Medicine at Mount Sinai, Department of Pediatrics Reception**  
Pan Pacific Vancouver–Oceanview 8

8:00pm–9:30pm  
**Children’s National Alumni and Friends Reception**  
Fairmont Waterfront Vancouver–MacKenzie II
### Monday, May 5

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<th>Time</th>
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<tbody>
<tr>
<td>6:30am–8:00am</td>
<td><strong>American Journal of Perinatology</strong> Editorial Board Meeting</td>
<td>Thieme Medical Publishers</td>
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<td></td>
<td><strong>Meeting</strong></td>
<td>Pan Pacific Vancouver–Gazebo II</td>
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<tr>
<td>7:00am–8:00am</td>
<td><strong>ASPN Therapeutics Development Committee</strong></td>
<td>Fairmont Waterfront Vancouver–Cheakamus Room</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td><strong>PIDS International Affairs Committee Meeting</strong></td>
<td>Vancouver Convention Centre–West 215</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td><strong>Southern Society for Pediatric Research Spring Council Meeting</strong></td>
<td>Pan Pacific Vancouver–Pacific Rim 1</td>
</tr>
<tr>
<td>7:00am–9:00am</td>
<td><strong>SPR Young Investigator Coaching Program</strong></td>
<td>Vancouver Convention Centre–West 219</td>
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<tr>
<td>7:00am–9:00am</td>
<td><strong>AAP Neonatal Training Program Directors’ Meeting</strong></td>
<td>Fairmont Waterfront Vancouver–Nootka</td>
</tr>
<tr>
<td>7:30am–11:30am</td>
<td><strong>Section on Epidemiology Executive Committee Meeting</strong></td>
<td>Fairmont Waterfront Vancouver–Douglas Boardroom</td>
</tr>
<tr>
<td>8:00am–9:00am</td>
<td><strong>SPR Mentoring Committee</strong></td>
<td>Vancouver Convention Centre–West 219</td>
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<tr>
<td>10:00am–11:30am</td>
<td><strong>PIDS Publications Committee Meeting</strong></td>
<td>Vancouver Convention Centre–West 215</td>
</tr>
<tr>
<td>12:00pm–1:30pm</td>
<td><strong>NEuroSIS Study Steering Committee Meeting</strong></td>
<td>Pan Pacific Vancouver–Boardroom</td>
</tr>
<tr>
<td>1:00pm–2:30pm</td>
<td><strong>Transfusion Related Acute Gut Injury (TRAGI) Users’ Group</strong></td>
<td>Pan Pacific Vancouver–Crystal Pavilion C</td>
</tr>
<tr>
<td>1:00pm–3:00pm</td>
<td><strong>PIDS/IDSA Bone &amp; Joint Infections Guideline Panel Meeting</strong></td>
<td>Vancouver Convention Centre–West 215</td>
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<tr>
<td>2:00pm–6:00pm</td>
<td><strong>Section on Hospital Medicine Executive Committee Meeting</strong></td>
<td>Vancouver Convention Centre–West 107</td>
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<tr>
<td>2:30pm–4:00pm</td>
<td><strong>Transient Hypothroxinemia of Neonates (THOP) Users’ Group</strong></td>
<td>Pan Pacific Vancouver–Crystal Pavilion C</td>
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### Tuesday, May 6

<table>
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<tr>
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<tr>
<td>7:00am–8:00am</td>
<td><strong>PAS Leadership Breakfast</strong></td>
<td>Vancouver Convention Centre–West 222</td>
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<tr>
<td>7:30am–4:00pm</td>
<td><strong>ASPN Leadership Development Course</strong></td>
<td>Fairmont Waterfront Vancouver–MacKenzie 1</td>
</tr>
<tr>
<td>7:30am–4:00pm</td>
<td><strong>ASPN Leadership Development Course</strong></td>
<td>Fairmont Waterfront Vancouver–MacKenzie 1</td>
</tr>
<tr>
<td>8:00am–3:00pm</td>
<td><strong>Section on Hospital Medicine Executive Committee Meeting</strong></td>
<td>Vancouver Convention Centre–West 107</td>
</tr>
<tr>
<td>11:30am–4:30pm</td>
<td><strong>APA Leadership Meeting</strong></td>
<td>Fairmont Waterfront Vancouver–MacKenzie 2</td>
</tr>
<tr>
<td>3:00pm–4:00pm</td>
<td><strong>CAP 11 Steering Committee Meeting</strong></td>
<td>Hyatt Regency Vancouver–Georgia A</td>
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<tr>
<td>4:00pm–5:30pm</td>
<td><strong>CAP 11 Investigators’ Meeting</strong></td>
<td>Hyatt Regency Vancouver–Georgia B</td>
</tr>
<tr>
<td>2:00PM–7:00pm</td>
<td><strong>APA CORNET</strong></td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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### Wednesday, May 7

<table>
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<th>Time</th>
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<tr>
<td>8:00am–12:00pm</td>
<td><strong>APA CORNET</strong></td>
<td>Pan Pacific Vancouver–Gazebo I</td>
</tr>
<tr>
<td>8:30am–1:00pm</td>
<td><strong>NeOProM Collaborators’ Meeting Day 2</strong></td>
<td>Pan Pacific Vancouver–Gazebo II</td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Event</td>
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</tr>
<tr>
<td>Thursday, May 1</td>
<td>6:00pm–8:00pm</td>
<td>PAS Operating Committee Meeting</td>
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<tr>
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<td></td>
<td><strong>American Pediatric Society</strong></td>
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<tr>
<td>Friday, May 2</td>
<td>8:30am–3:00pm</td>
<td>APS Council Meeting</td>
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<tr>
<td></td>
<td>3:15pm–5:15pm</td>
<td>APS/SPR Joint Council Meeting</td>
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<tr>
<td></td>
<td>5:30pm–7:30pm</td>
<td>Joint Chief Executive Officer - Pediatric Chair Session</td>
</tr>
<tr>
<td>Saturday, May 3</td>
<td>8:00am–10:00am</td>
<td>APS CODI Topic Symposium: Unconscious Bias and Diversity in Pediatrics: Walking the Walk</td>
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<tr>
<td></td>
<td>1:15pm–2:30pm</td>
<td>PAS/ASPR Opening Poster Reception</td>
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<tr>
<td></td>
<td>2:45pm–4:45pm</td>
<td>Surfactant Biology &amp; the Avery Award Presentation</td>
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<tr>
<td></td>
<td>3:00pm–4:30pm</td>
<td>APS Committee on Diversity and Inclusion (CODI)</td>
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<tr>
<td></td>
<td>5:00pm–6:30pm</td>
<td>PAS/ASPR Opening General Session</td>
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<tr>
<td></td>
<td>6:45pm–8:00pm</td>
<td>PAS/ASPR Presidential and New Member Reception</td>
</tr>
<tr>
<td></td>
<td>7:00pm–8:00pm</td>
<td>APS/SPR Student Research Program Reception</td>
</tr>
<tr>
<td>Sunday, May 4</td>
<td>7:00am–9:30am</td>
<td>Run for Pediatric Research 2014 (Advance Registration Required)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(In conjunction with the BMO Vancouver Marathon)</td>
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<tr>
<td></td>
<td></td>
<td>7:00am–Queen Elizabeth Park / Half Marathon</td>
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<tr>
<td></td>
<td></td>
<td>8:00am–Queen Elizabeth Park / Full Marathon</td>
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<tr>
<td></td>
<td></td>
<td>9:30am–Stanley Park / 8K</td>
</tr>
<tr>
<td></td>
<td>7:00am–8:00am</td>
<td>APS Advocacy Committee</td>
</tr>
<tr>
<td></td>
<td>10:15am–11:45am</td>
<td>APS Presidential Plenary and Awards</td>
</tr>
<tr>
<td></td>
<td>12:00pm–1:00pm</td>
<td>APS Members’ Networking Lunch (Advance RSVP Required)</td>
</tr>
<tr>
<td></td>
<td>1:00pm–3:00pm</td>
<td>APS State of the Times Scientific Symposium: Advocacy for Child Health Research – The APS-COPR Success Story Project</td>
</tr>
<tr>
<td></td>
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<td>3:30pm–5:30pm</td>
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<tr>
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<td></td>
<td>APS State of the Art Plenary: The Human Microbiome: A New Vista on Childhood Biology</td>
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<tr>
<td>Monday, May 5</td>
<td>1:00pm–3:00pm</td>
<td>Nineteenth Annual Lecture: The March of Dimes Prize in Developmental Biology</td>
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<td>Tuesday, May 6</td>
<td>7:00am–8:00am</td>
<td>PAS Leadership Breakfast</td>
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<td><a href="http://www.pas-meeting.org">www.pas-meeting.org</a></td>
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<td>Thursday, May 1</td>
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<td>PAS Operating Committee Meeting</td>
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<td>Friday, May 2</td>
<td>10:00am–3:00pm</td>
<td>Society for Pediatric Research Council Meeting</td>
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<td>12:00pm–1:00pm</td>
<td>SPR Fellows’ Section Members Business Meeting</td>
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<td>3:15pm–5:15pm</td>
<td>APS/SPR Joint Council Meeting</td>
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<td>5:30pm–7:30pm</td>
<td>Joint Chief Executive Officer - Pediatric Chair Session</td>
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<td>Saturday, May 3</td>
<td>12:00pm–1:00pm</td>
<td>SPR Regional Societies Luncheon</td>
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<td>PAS/ASPR Opening Poster Reception</td>
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<td>2:45pm–4:45pm</td>
<td>Surfactant Biology &amp; the APS/SPR Avery Award Presentation</td>
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<td>5:00pm–6:30pm</td>
<td>PAS/ASPR Opening General Session</td>
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<td>PAS/ASPR Presidential and New Member Reception</td>
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<td>APS/SPR Student Research Program Reception</td>
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<td>Sunday, May 4</td>
<td>7:00am–8:30am</td>
<td>SPR Advocacy Committee</td>
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<td>SPR Communications Committee</td>
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<td>Monday, May 5</td>
<td>7:00am–8:00am</td>
<td>SPR Young Investigator Coaching Program</td>
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<td>SPR Mentoring Committee</td>
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<td>SPR Presidential Plenary</td>
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<td>SPR Awards Reception</td>
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<td><strong>Friday, May 2</strong></td>
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<td>3:00pm–6:00pm</td>
<td>Textbook of Pediatric Care Editorial Meeting</td>
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<td>5:00pm–6:00pm</td>
<td>Pediatric Policy Council Meeting</td>
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<td><strong>Saturday, May 3</strong></td>
<td>7:00am–12:00pm</td>
<td>Journal of Perinatology Editorial Board meeting</td>
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<td>8:00am–5:30pm</td>
<td>ILCOR Neonatal Delegation</td>
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<td>12:00pm–1:30pm</td>
<td>Committee on Quality Transformation</td>
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<td>12:00pm–8:00pm</td>
<td>Pediatric Emergency Medicine Fellowship Directors Meeting</td>
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<td>PAS/ASPR Opening Poster Reception</td>
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<td>PAS/ASPR Opening General Session</td>
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<td>6:30pm–8:00pm</td>
<td>AAP Section of Emergency Medicine, EMS Subcommittee</td>
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<tr>
<td><strong>Sunday, May 4</strong></td>
<td>12:00pm–1:00pm</td>
<td>Pediatric Emergency Medicine Collaborative Research Committee Meeting (PEM-CRC)</td>
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<td>12:30pm–4:00pm</td>
<td>AAP Presidential Plenary and Annual Silverman Lecture</td>
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<td>1:00pm–7:00pm</td>
<td>Pediatric Septic Shock Collaborative</td>
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<td>4:00pm–5:00pm</td>
<td>AAP Section on Emergency Medicine - Committee for the Future (C4F)</td>
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<td>5:00pm–9:00pm</td>
<td>Community Pediatrics Training Initiative (CPTI)</td>
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<td>7:30pm–9:30pm</td>
<td>University of Florida-Gainesville/University of Florida-Jacksonville/University of Miami/University of South Florida/Florida Chapter of the American Academy of Pediatrics Reception</td>
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<tr>
<td><strong>Monday, May 5</strong></td>
<td>7:00am–9:00am</td>
<td>AAP Neonatal Training Program Directors’ Meeting</td>
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<td></td>
<td>7:30am–11:30am</td>
<td>Section on Epidemiology Executive Committee Meeting</td>
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<td>8:00am–10:00am</td>
<td>AAP-ABP Executive Committee</td>
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<td></td>
<td>12:00pm–1:00pm</td>
<td>Pediatric Hospital Medicine Club: AAP Section on Hospital Medicine</td>
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<td>2:00pm–6:00pm</td>
<td>Section on Hospital Medicine Executive Committee Meeting</td>
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<tr>
<td><strong>Tuesday, May 6</strong></td>
<td>7:00am–8:00am</td>
<td>PAS Leadership Breakfast</td>
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<td>8:00am–3:00pm</td>
<td>Section on Hospital Medicine Executive Committee Meeting</td>
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### Thursday, May 1

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00am–6:00pm</td>
<td>APA Board of Directors Meeting</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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<tr>
<td>10:00am–5:30pm</td>
<td>AGP Fellows Meeting</td>
<td>Fairmont Waterfront Vancouver–Malaspina Room</td>
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<tr>
<td>5:45pm–6:30pm</td>
<td>AGP Fellows Meeting Reception</td>
<td>Fairmont Waterfront Vancouver–Malaspina Foyer</td>
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<tr>
<td>6:00pm–8:00pm</td>
<td>PAS Operating Committee Meeting</td>
<td>Fairmont Waterfront Vancouver–Burrard Suite</td>
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### Friday, May 2

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00am–4:00pm</td>
<td>APA New Century Scholars Conference</td>
<td>Sheraton Vancouver Wall Centre–Grand Ballroom D</td>
</tr>
<tr>
<td>8:00am–5:00pm</td>
<td>APA Research Scholars Program</td>
<td>Sheraton Vancouver Wall Centre–Junior Ballrooms</td>
</tr>
<tr>
<td>8:00am–5:00pm</td>
<td>APA Educational Scholars Program</td>
<td>Sheraton Vancouver Wall Centre–Pavilion Ballrooms</td>
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<tr>
<td>8:00am–5:30pm</td>
<td>APA Quality Improvement Conference</td>
<td>Hyatt Regency Vancouver–Regency A, B, C</td>
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<td>8:00am–11:00am</td>
<td>APA Board of Directors Meeting</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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<tr>
<td>1:00pm–6:00pm</td>
<td>APA BORN Planning Meeting</td>
<td>Sheraton Vancouver Wall Centre–Pavilion Ballroom C</td>
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<tr>
<td>6:00pm–</td>
<td>APA New Century Scholars Reception</td>
<td>Sheraton Vancouver Wall Centre–Junior Ballroom C</td>
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### Saturday, May 3

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<tbody>
<tr>
<td>7:00am–8:00am</td>
<td>APA Young Investigator Awardee Breakfast</td>
<td>Pan Pacific Vancouver–Crystal Pavilion C</td>
</tr>
<tr>
<td>12:00pm–1:00pm</td>
<td>APA Speed Mentoring Session</td>
<td>Hyatt Regency Vancouver–Regency Ballroom: A-F</td>
</tr>
<tr>
<td>12:00pm–2:00pm</td>
<td>APA Editorial Board Luncheon</td>
<td>Pan Pacific Vancouver–Crystal Pavilion B</td>
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<tr>
<td>1:00pm–2:00pm</td>
<td>Mentorship Event Luncheon</td>
<td>Hyatt Regency Vancouver–Regency Ballroom: A-F</td>
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<tr>
<td>1:15pm–2:30pm</td>
<td>PAS/ASPR Opening Poster Reception</td>
<td>Vancouver Convention Centre–Hall B/C</td>
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<tr>
<td>5:00pm–6:30pm</td>
<td>PAS/ASPR Opening General Session</td>
<td>Vancouver Convention Centre–West Ballroom A</td>
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<tr>
<td>6:45pm–8:00pm</td>
<td>PAS/ASPR Presidential and New Member Reception</td>
<td>Vancouver Convention Centre–West Ballroom D</td>
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### Sunday, May 4

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<tr>
<td>7:00am–8:00am</td>
<td>APA Past Officers’ Breakfast</td>
<td>Fairmont Waterfront Vancouver–Princess Louisa Suite</td>
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<tr>
<td>8:00am–9:00am</td>
<td>APA RAPID Scholars Breakfast</td>
<td>Fairmont Waterfront Vancouver–Burrard Suite</td>
</tr>
<tr>
<td>8:30am–11:30am</td>
<td>APA Global Health Task Force: Developing Faculty Competencies in Global Child Health</td>
<td>Vancouver Convention Centre–West 222</td>
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<tr>
<td>9:00am–11:00am</td>
<td>APA CORNET Members Meeting</td>
<td>Vancouver Convention Centre–West 113</td>
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<tr>
<td>11:00am–12:30pm</td>
<td>APA Health Care Delivery Committee</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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<tr>
<td>11:00am–1:00pm</td>
<td>APA Education Committee</td>
<td>Pan Pacific Vancouver–Oceanview 1-2</td>
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<tr>
<td>11:00am–12:30pm</td>
<td>APA Public Policy and Advocacy Committee</td>
<td>Pan Pacific Vancouver–Gazebo II</td>
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<tr>
<td>11:00am–12:30pm</td>
<td>APA Research Committee</td>
<td>Pan Pacific Vancouver–Pacific Rim 1</td>
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<tr>
<td>3:45pm–5:45pm</td>
<td>APA Membership Meeting and APA Debate</td>
<td>Vancouver Convention Centre–West 301-305</td>
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<tr>
<td>5:30pm–8:30pm</td>
<td>APA Educational Scholars Reception</td>
<td>Sheraton Vancouver Wall Centre–Junior Ballroom A-B</td>
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### Monday, May 5

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<th>Time</th>
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<tr>
<td>7:00am–8:00am</td>
<td>APA Regional Breakfast Region I</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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<td>APA Regional Breakfast Region II</td>
<td>Pan Pacific Vancouver–Oceanview 6</td>
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<td>APA Regional Breakfast Region III</td>
<td>Pan Pacific Vancouver–Oceanview 8</td>
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<td>APA Regional Breakfast Region IV</td>
<td>Pan Pacific Vancouver–Oceanview 1</td>
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<td>APA Regional Breakfast Region V</td>
<td>Pan Pacific Vancouver–Oceanview 5</td>
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<td>APA Regional Breakfast Region VI</td>
<td>Pan Pacific Vancouver–Oceanview 2</td>
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<td>APA Regional Breakfast Region VII</td>
<td>Pan Pacific Vancouver–Oceanview 3</td>
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<td>APA Regional Breakfast Region VIII</td>
<td>Pan Pacific Vancouver–Oceanview 4</td>
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<td>APA Regional Breakfast Region IX and X</td>
<td>Pan Pacific Vancouver–Oceanview 7</td>
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<tr>
<td>10:00am–12:00pm</td>
<td>APA Childhood Poverty Task Force Meeting</td>
<td>Pan Pacific Vancouver–Crystal Pavilion A</td>
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<tr>
<td>12:00pm–1:30pm</td>
<td>APA Region Chairs Luncheon</td>
<td>Pan Pacific Vancouver–Oceanview 4</td>
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<td>12:00pm–1:30pm</td>
<td>APA SIG Chairs Luncheon</td>
<td>Pan Pacific Vancouver–Oceanview 2</td>
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<tr>
<td>12:00pm–1:30pm</td>
<td>APA Fellows Luncheon</td>
<td>Pan Pacific Vancouver–Oceanview 5</td>
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<tr>
<td>1:30pm–5:15pm</td>
<td>APA Presidential Plenary and Armstrong Lecture</td>
<td>Vancouver Convention Centre–West Ballroom A</td>
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### Tuesday, May 6

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<td>7:00am–8:00am</td>
<td>PAS Leadership Breakfast</td>
<td>Vancouver Convention Centre–West 222</td>
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<td>11:30am–4:30pm</td>
<td>APA Leadership Meeting</td>
<td>Fairmont Waterfront Vancouver–MacKenzie 2</td>
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<td>2:00PM–7:00pm</td>
<td>APA CORNET</td>
<td>Pan Pacific Vancouver–Gazebo I</td>
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### Wednesday, May 7

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<td>Pan Pacific Vancouver–Gazebo I</td>
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The American Pediatric Society (APS) is an organization that brings men and women together for the advancement of the study of children and childhood diseases, for the prevention of illness and the promotion of pediatric education and research, and to honor those who have contributed to the advancement of pediatrics. Professionals, who have well established credentials as teachers, investigators and scholars, and whose professional contributions have advanced the cause of pediatrics, should be considered as candidates for membership.

Nomination forms are available on our website at www.aps-spr.org.

Deadline for receipt of nominations and supporting materials is July 31, 2014.

The American Academy of Pediatrics (AAP) and its members dedicate their efforts and resources to the health, safety and well-being of all infants, children, adolescents and young adults. The AAP has more than 60,000 members that work to advocate for children and the profession of pediatrics, develop policy that helps shape the practice of pediatrics, and support the mission to attain the optimal health for children everywhere. Members include pediatricians, pediatric medical subspecialists and pediatric surgical specialists. More than 45,000 members are board-certified and are called Fellows of the American Academy of Pediatrics (FAAP). Membership in the AAP provides a variety of benefits and services to keep you up-to-date and offer a plethora of involvement and leadership opportunities. There are several membership options available.

For more information about the AAP or to find out how to join, please visit www.aap.org or call 800/THE-AAP1 (843-2271).

Applications are accepted on an ongoing basis.
The Pediatric Infectious Diseases Society (PIDS) is the world’s largest organization of professionals dedicated to the treatment, control, and eradication of infectious diseases affecting children. Membership is comprised of physicians, doctoral-level scientists and others who have trained or are in training in infectious diseases or its related disciplines, and who are identified with the discipline of pediatric infectious diseases or related disciplines through clinical practice, research, teaching, and/or administration activities. PIDS’ mission is to enhance the health of infants, children, and adolescents by promoting excellence in diagnosis, management, and understanding of infectious diseases through clinical care, education, research, and advocacy. Membership is not restricted by nationality, residence, place of birth, sex, race, creed, age or condition of handicap.

Applications are available on the PIDS website www.pids.org.

The Pediatric Endocrine Society is the largest group of physicians and scientists devoted to pediatric endocrine issues. Since its inception, it has focused on serving children and adolescents with endocrine disorders and diabetes mellitus. More recently it has begun to advocate for children and adolescents with these problems. Our mission is to advance the care of children and adolescents with endocrine disorders.

Application forms are available on our website at www.pedsendo.org.

The ASPN seeks to promote optimal care for children with kidney disease and to disseminate advances in the clinical practice and the basic science of pediatric nephrology. All practitioners and investigators who are involved in activities related to pediatric kidney disease are encouraged to apply for membership. Explanation of membership categories and applications can be found at our web site, www.aspneph.com. Applications are reviewed on an ongoing basis.
Thank you!

These dedicated leaders have volunteered countless hours of their time to increase the quality of the meeting, review topics and abstracts and provide recommendations necessary to fulfill the educational needs of the attendees.

Thank you!
Industry Sponsored Symposia (ISS) are educational programs offered during the PAS/ASPR Joint Meeting in Vancouver. These events are not part of the official scientific sessions planned by the PAS Program Committee. The PAS Operating Committee reviewed and approved these sessions after determining: 1) the topic was timely and of broad interest to the memberships; 2) the topic meets ACCME Guidelines and Standards for Commercial Support; 3) the content is free of commercial bias for or against any product. ISS are planned solely by the sponsoring company / organization and these events are scheduled at times that do not compete with PAS programs or exhibit hall hours.

There is no fee to attend these Industry Sponsored Symposia, however pre-registration may be required. The supporting companies hosting each ISS session send separate invitations and registration forms to all registered PAS attendees. Some will have on-site registration available at the door. Seating is available on a first-come, first-served basis.

100% Human Milk Diets: Meeting the Challenge of Infant Nutrition in the NICU

Sunday, May 4
5:30am – 8:00am
Sheraton Vancouver Wall Centre
Grand Ballroom A/B

Synopsis:
During this symposium, the latest advances in human donor milk research for the growth and health of newborns in the NICU will be presented. The expert faculty will address concerns and resistance to human donor milk in clinical practice. These issues are important to pediatricians, particularly neonatologists, because the Joint Commission has announced that exclusive breast milk feeding (defined as expressed mother’s milk with or without the addition of donor human milk) is now a core measure for US hospitals.

Despite the advantages of human breast milk feeding, including significantly lower rates of necrotizing enterocolitis, a survey of neonatal nurse practitioners and neonatologists reveals that less than half support the use of human donor milk (including commercial versions) consistently, opting instead for bovine-based products. At the conclusion of this symposium, pediatricians will be prepared to take a leading role in their practices and communities as advocates for the benefits of breastfeeding and the value of human donor milk for infants.

Agenda
Welcome and Introductions
Moderator – Sergio Golombek, MD
Professor of Pediatrics and Clinical Public Health at New York Medical College
Joint Faculty, School of Health Sciences and Practice
Nitric Oxide Coordinator
Valhalla, NY

Experience Using Human Milk-Based Diet vs. Bovine Milk-Based Products on Necrotizing Enterocolitis and Other Health Outcomes in the NICU (approx. 30 min)
Richard L. Schanler, MD
Investigator, Center for Immunology and Inflammation, The Feinstein Institute for Medical Research, Manhasset, New York
Co-Director, Neonatal-Perinatal Research Laboratory, Steven and Alexandra Cohen Children’s Medical Center of New York
Professor of Pediatrics, Hofstra North Shore-LIJ School of Medicine
New Hyde Park, New York

Outcomes Using Individualized Fortification of Human Milk to Optimize Protein and Energy Intake and Reduce Variability in Nutritional Intake (approx. 30 min)
Cynthia L. Blanco, MD
Associate Professor of Pediatrics
University of Texas, San Antonio
San Antonio, Texas

Aggressive Use of 100% Human Milk Diet to Achieve Better Growth: The Texas Children’s Hospital Experience (approx. 30 min)
Amy Hair, MD
Attending Neonatologist — Texas Children’s Hospital
Assistant Professor, Section of Neonatology, Department of Pediatrics, Baylor College of Medicine
Houston, Texas
Cystinosis Update: Current Clinical Paradigms and New Concepts

Sunday, May 4
5:30am – 8:00am
Sheraton Vancouver Wall Centre
Grand Ballroom C/D

Needs Assessment
Cystinosis is an ultra-orphan autosomal recessive disease that results from a mutation in cystinosin, the lysosomal export protein for cystine. As a result, intracellular cystine accumulation in cells and cystine crystal formation in multiple organs leads to progressive dysfunction that manifests as end-stage kidney disease and, over time, photophobia and other visual impairments, diabetes, hypothyroidism, central nervous system deterioration, and peripheral and central muscle disease, among other morbidities.

Though the advent of substrate depletion therapy and renal allograft in infants and children with cystinosis has been accompanied by increased longevity into adulthood years, the mortality rate remains high as the patients age into the fourth decade of life (Gahl et al, Ann Intern Med. 2007; 147:242-250).

The disease remains little known and poorly understood among clinicians, and so there is substantial room for improvement in effective screening and diagnosis. Advances in our understanding of the molecular pathophysiology of cystinosis; enhanced testing and treatment options; and new insights into long-term management of morbidity and reduction of mortality due to organ complications are promising, but under-recognized among frontline and more specialized clinicians.

This proposed CME Symposium at the 2014 annual meeting of the Pediatric Academic Societies will provide an updated perspective on current paradigms and emerging avenues in the diagnosis and treatment of cystinosis through didactic lectures delivered by internationally recognized cystinosis experts; and enhance knowledge acquisition through interactive case-based learning.

Faculty and Agenda

6:35-6:55 Benchmarks, Biomarkers, and Measures in the Diagnosis and Assessment of Cystinosis
Elena Levtchenko, MD, PhD
Professor and Head
Department of Pediatric Nephrology
University Hospital Leuven
Leuven, Belgium
- cystinosis
- Identify critical diagnostic measures and decision points
- Examine new and emerging biomarkers and leukocyte measurement methods and assess their potential clinical utility

6:55-7:05 Clinical Trial Results of Substrate Reduction Therapy (SRT) in Different Populations of Children with Cystinosis
Craig Langman, MD, Program Chair
- Articulate the rationale for SRT in cystinosis
- Identify the subpopulations of children with cystinosis who might benefit from SRT and strategies to optimize therapy at various phases of the disease
- Evaluate new clinical trial outcomes for efficacy and safety.

7:05-7:25 Highlights of Cutting-Edge Translational Cystinosis Research
Paul R. Goodyer, MD
Professor, Department of Pediatrics
Associate Member, Department of Medicine
Division of Experimental Medicine
McGill University Health Centre
Director, Renal-Genetics Clinic
Montreal Children’s Hospital Research Institute
Montreal, Québec, Canada
- Examine the strengths and limitations of current cystinosis experimental models
- Describe current research exploring the feasibility and potential utility of transplanting blood stem cells from bone marrow and microvesicular approaches in treating cystinosis
- Identify upcoming and ongoing clinical trials of new approaches to potential cures

7:25-7:55 Interactive Case-Based Discussion and Questions and Answers
Faculty Panel and Participants

7:55-8:00 Closing Remarks
Craig Langman, MD, Chair
**Hypophosphatasia (HPP): A Life – Threatening Disease Beyond the Skeleton**

**Monday, May 5**
5:30am – 8:00am
Sheraton Vancouver Wall Centre
Grand Ballroom A/B

**Synopsis**
Hypophosphatasia (HPP) is a rare, inherited, potentially life-threatening metabolic bone disease. It is caused by a deficiency in alkaline phosphatase which leads to accumulation of tissue-non-specific alkaline phosphatase and results in impaired bone mineralization (rickets) and systemic complications. HPP presents across the age spectrum but the most severe manifestations are seen in the perinatal and infantile population. Early and accurate diagnosis of HPP requires an understanding of the underlying pathophysiology and an appreciation of the multiple organ systems that are affected by the biochemical derangements. This program has been designed to describe the range of clinical manifestations that arise from the abnormal accumulation of TNSALP substrates to enable the pediatric specialist such as pediatric endocrinologists, pediatric nephrologists and pediatric neurologists who diagnose HPP in their young patients.

**Faculty and Agenda**

6:00-6:05  Welcome and Introductions  
*Faculty Chair: Cheryl Rockman-Greenberg, MD*

6:05-6:15  Course Objectives and Epidemiology of HPP  
*Cheryl Rockman-Greenberg, MD*

6:15-6:30  Hypophosphatasia Clinical Presentation and Pathogenesis  
*Jill Simmons, MD*
Clinical presentation of HPP in perinatal and infantile HPP  
- Deficiency in serum ALP and calcium/phosphate imbalance  
- Impact of accumulation of ALP substrates (PPi, PLP and PEA)

6:30-6:45  Respiratory Compromise in HPP  
*Cheryl Rockman-Greenberg, MD*
- Link to ALP deficiency  
- Mortality in untreated patients

6:45-7:00  Neurologic Manifestations of HPP  
*Edward Leung, MD*
- Link to ALP deficiency/accumulation of substrates  
- Mortality in untreated patients

7:00-7:15  Renal Complications of HPP  
*Craig Langman, MD*
- Link to ALP deficiency/accumulation of substrates  
- Morbidity/Mortality in untreated patients

7:15-7:45  Roundtable Discussion & Case Presentations  
Early Recognition and Management of HPP Complications  
*Faculty Panelists*

7:45-8:00  Q&A Session

8:00  Adjourn

**FACULTY AND ACADEMIC TITLES**

**CHAIR**
Cheryl Rockman-Greenberg, MD  
Professor and Head  
Department of Pediatrics and Child Health  
University of Manitoba, Canada  
Medical Director, Child Health Program  
Winnipeg Regional Health Authority, Canada

**FACULTY**

Jill Simmons, MD  
Associate Professor of Pediatrics  
Department of Pediatrics  
Division of Pediatric Endocrinology and Diabetes  
Children's Hospital, Vanderbilt University Medical Center  
Nashville, TN

Edward Leung, MD  
Pediatric Neurology, Dept. of Pediatrics  
University of Manitoba  
Children’s Hospital, Health Sciences Centre  
Winnipeg, Manitoba, Canada

Craig Langman, MD  
Professor in Pediatrics-Kidney Diseases  
Northwestern University Feinberg School of Medicine  
Department of Pediatrics  
Children’s Hospital of Chicago  
Chicago, IL
Optimizing Nutrition and Development in Preterm Infants: New Research and Implications

Monday, May 5
5:30am – 8:00am
Sheraton Vancouver Wall Centre
Pavilion Ballroom

Synopsis
Much research has been conducted since the publication of Practical Approach to Paediatric Enteral Nutrition (2010, ESPGHAN Committee on Nutrition) and the ongoing assessment of this evidence-based research is challenging our understanding of the specific nutritional needs of preterm infants. This symposium will explore this body of ongoing research. The expert faculty will identify how these data provide opportunities for clinicians to improve the nutritional and developmental outcomes of their premature infants now, and how these data may impact clinical care recommendations in the future.

Faculty and Agenda

Welcome and Introductions (:10)
Berthold Koletzko, MD

Four Years Later: Research and Ongoing Studies Into the Nutrient Requirements of Preterm Infants (:40)
William W. Hay, Jr., MD

Research Implications for Today’s Clinical Practice and Expert Recommendations for the Future (:30)
Berthold Koletzko, MD

Audience Questions and Answers (:10)
Guide To Exhibitors
Exhibit Halls B/C
West Exhibition Level of the
Vancouver Convention Centre

WIN!
- A Digital Camera,
- An iPod, or
- A Complimentary Registration to attend the
  2015 PAS Annual Meeting

For a chance to win one of these fabulous prizes, stop by the
Raffle Stations inside the Exhibit Hall, the PAS Information Desk,
or the PAS Exhibitor Registration Desk each day of the exhibits
(Saturday–Monday) to pick up your raffle ticket. Stamp your
ticket at each of the 4 Raffle Stations in the Exhibit Hall (see
page 392 for the locations). Drop your stamped raffle ticket in
the raffle drum located inside the entrance of the PAS Exhibit
Hall B/C or at the PAS Exhibitor Registration Desk. Must be
registered for the PAS Annual Meeting to qualify.

Exhibit Hours

Saturday, May 3
1:00pm–4:00pm
1:15pm–2:30pm
PAS Sponsored Opening Reception

Sunday, May 4
4:15pm–7:30pm
5:45pm-7:30pm
Complimentary Snacks and Beverages

Monday, May 5
4:15pm–7:30pm
5:45pm-7:30pm
Complimentary Snacks and Beverages

Full exhibitor products and service guide will be
available in the onsite Exhibit Guide.

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### Procedures for Evaluation and requesting AMA PRA Category 1 Credit™

You will receive the link to the electronic Evaluation and CME credit request form in your Email Inbox on Tuesday, May 6, 2014. The email will be sent by Tulane CME and the subject line will state “2014 PAS/ASPR Evaluation and Credit Verification.” If you have not received the email from Tulane by Monday, May 12, 2014, please contact cme@tulane.edu. To receive the appropriate number of CME credits, it is important to do the following:

- Track the CME-certified sessions that you attend using the list below.
- Complete the emailed evaluation survey and credit verification form no later than **June 1, 2014**.
- **Certificates of Credit or Attendance will be sent by July 15, 2014**.
- Original requests for credit from the 2014 meeting will not be processed after **May 1, 2015**.

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**2014 Continuing Medical Education Credits**

Track the CME-certified sessions that you attend using the list below.

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www.pas-meeting.org 385
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### Maximum Credits Available for Sunday, May 4

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### Monday, May 5

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<tr>
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<tr>
<td>Hot Topic</td>
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### Tuesday, May 6

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### Maximum Credits Available for Tuesday, May 6

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Claim only those credits commensurate with the time actually spent in sessions certified for AMA PRA Category 1 Credits™.

### Ethics Credit

Sessions that may qualify for ethics credit for state licensure requirements are listed below:

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#### Saturday, May 3

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2:45 PM – 4:45 PM

Topic Symposium: Ethics in the Conduct of Clinical/Basic Research

### Sunday, May 4

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7:00 AM – 8:00 AM

Meet the Professor Breakfast: Academic Careers in Bioethics: From the Margin to the Mainstream

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8:00 AM – 10:00 AM

PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data

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8:00 AM – 10:00 AM

Workshop: Ethical Dilemmas in Pediatric Nephrology: A Case-Based Approach

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### Monday, May 5

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8:00 AM – 10:00 AM

Clinical Bioethics Platform Session

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12:00 PM – 1:15 PM

Hot Topic: Ethical Challenges Conducting Research in Newborns

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12:00 PM – 1:15 PM

Lessons from SUPPORT to Better Define Standard of Care: Bioethics Interest Group

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12:00 PM – 1:15 PM

Show Us the Data: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence

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### Tuesday, May 6

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9:00 AM – 12:00 PM

APA Special Interest Group: Ethics

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</table>
1. **Coast Coal Harbour**  
   1180 West Hastings Street, (604) 697-0202

2. **Delta Vancouver Suites**  
   550 West Hastings Street, (604) 689-8188

3. **Fairmont Hotel Vancouver**  
   900 West Georgia Street, (604) 684-3131

4. **Fairmont Pacific Rim**  
   1038 Canada Place, (604) 695-5300

5. **Fairmont Waterfront**  
   900 Canada Place Way, (604) 691-1991

6. **Four Seasons Hotel**  
   791 West Georgia Street, (604) 689-9333

7. **Hyatt Regency Vancouver**  
   655 Burrard Street, (604) 683-1234

8. **Marriott Pinnacle Hotel**  
   1128 West Hastings Street, (604) 684 1128

9. **Marriott Residence Inn**  
   Vancouver Downtown  
   1234 Hornby Street, (604) 688-1234

10. **Metropolitan Hotel**  
    645 Howe Street, (604) 687-1122

11. **Pan Pacific Vancouver**  
    300-999 Canada Place, (604) 662-8111

12. **Renaissance Hotel Harbourside**  
    1133 West Hastings Street, (604) 689-9211

13. **Sheraton Vancouver Wall Centre Hotel**  
    1088 Burrard Street, (604) 331-1000

14. **Sutton Place Hotel**  
    845 Burrard Street, (604) 682-5511

15. **The Westin Bayshore, Vancouver**  
    1601 Bayshore Drive, (604) 682-3377
Fairmont Waterfront / Pan Pacific

Lobby Level

Fairmont Waterfront

Concourse Level

Pan Pacific

Restaurant and Gallery Level

Lobby Level
Exhibit & Poster Viewing Hours

Saturday, May 3
1:00pm - 4:00pm

Sunday, May 4
4:15pm - 7:30pm

Monday, May 5
4:15pm - 7:30pm

Tuesday, May 6
7:00am - 11:00pm
(Posters Only)

Exhibit Hall Raffle
Pick up your daily raffle ticket and get it stamped at each of the raffle stations in the Exhibit Hall for a chance to win!

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Must be registered for the 2014 PAS/ASPR Joint Meeting to qualify.
West - Level 2

West - Level 3
The Program Committee wishes to thank the many individuals who volunteered to read and grade numerous abstract and workshop submissions. This is an arduous but necessary task, and your efforts enable the committee to select the very best presentations. We graciously thank the following individuals for their effort and devotion to the meeting.

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Abbas, Soraya
Abdel-Hady, Hesham
Abdul-Rahman, Omar
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Abubakar, Kabir
Abughali, Nazha
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Aghai, Zubair
Agrawal, Dewesh
Agrawal, Rishi
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Akinbami, Oluwaseun
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Hatoun, Jonathan
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Society for Pediatric Research
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