



2007 Pediatric Academic Societies' Annual Meeting

May 5–May 8 ~ Toronto, Canada

**Daily Schedule:
Saturday, May 5**

Legend: TCC=Toronto Convention Center

FRY=Fairmont Royal York

(as of April 30, 2007)

7:30am–9:00am

5025A Histiocytosis Workshop

ASPHO Workshop ~ FRY, Territories

Objectives:

- Identify typical and atypical presentations of LCH and HLH
- Describe diagnostic criteria for LCH and HLH
- Describe appropriate staging of patients with newly diagnosed LCH and HLH
- Describe current therapeutic strategies for patients with newly diagnosed LCH and HLH
- Describe recent developments in our understanding of the biology of LCH and HLH

Chairs: James A. Whitlock, Vanderbilt Children's Hospital, Nashville, TN; and Alexandra H. Filipovich, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

The goal of this workshop is to provide attendees with current, state-of-the-art information regarding the biology, diagnosis, evaluation and management of children with Langerhans cell histiocytosis and hemophagocytic lymphohistiocytosis, the two most common histiocytic disorders. The session will include case presentations and updates from recently completed and ongoing international clinical trials for these disorders, and discuss newly available internet-based patient registries.

7:30am–9:00am

5030A Reflective Practice and Leadership: An Effective Approach to Education for the "New" Core Competencies

ASPHO Workshop ~ FRY, Confederation 5-6

Objectives:

- Define the concepts of Reflective Practice and Leadership as applied to medicine and pediatric hematology/oncology
- Analyze challenging clinical, research, educational and administrative circumstances with Reflective Practice and Leadership methods
- Describe educational structures and outcome measures that are suitable for Reflective Practice and Leadership and how these can be tailored to fit the constraints and resources of various training programs or practices

Chairs: Ernest Frugé, Baylor College of Medicine, Houston, TX; and Donald H. Mahoney, Texas Children's Cancer Center, Houston, TX

Clinical training and certification increasingly requires documentation of skill in "new" competencies such as Communication Skills, Professionalism and Practice-Based Learning. These competencies are also essential for success in research, education and administration. This workshop will provide an introduction to the Reflective Practice and Leadership educational model. The Reflective Practice and Leadership model hinges on the principles of adult, professional learning with an emphasis on case-based discussion among colleagues. The format of the workshop itself will be a demonstration of the model. Following a very brief overview of basic concepts and methods, the participants will "learn by doing." Following a brief review of basic concepts and example curriculum structures, participants will practice applying the method to a prototypically challenging case. Participants will also discuss how the methods can be adapted to fit a variety of organizational constraints/resources as well as how to develop relevant and practical outcome measures.

7:30am–9:00am

5035A The First 24 Hours

ASPHO Workshop ~ FRY, Tudor 7-8

Objectives:

- Identify common problems in the first 24 hours of diagnosis of childhood cancer
- Evaluate strategies to avoid or manage problems in the first 24 hours of presentation
- Compare such strategies to those in place at the learner's institution

Chair: Michael C. Copeman, Northern Beaches Cancer Service, Manly Hospital, Sydney, Australia

Care during the first 24 hours of a child's presentation with suspected malignancy often sets up the next few years with regard to success of relationships with the child and family, information sharing, diagnostic procedures, supportive care and even specific cancer therapy. This workshop aims to review clinical and non-clinical problems that may arise in the first 24 hours,

and to evaluate strategies that have been developed to avoid or overcome these problems. This interactive session will be structured to provide case studies on the first 24 hours of a child's presentation with suspected malignancy, followed by an exploration of potential pitfalls with regard to interaction with the child and family, diagnostic procedures, supportive care and specific cancer therapies. Participants will be asked to examine the processes in place in their own institutions for managing important aspects of the first 24 hours, and finally, existing institutional guidelines will be reviewed and suggestions for improvements discussed.

8:00am–10:00am

5110 Current Fungal Epidemiology, Pathogenesis and Diagnosis in Neonates and Children

PAS/ASPHO/PIDS Mini Course ~ TCC, Room 718A

Target Audience: Neonatologists and specialists in infectious diseases and hematology/oncology.

Objectives:

- Apply newer diagnostic methods for invasive fungal infections
- List epidemiologic features of Candidemia in children
- List potential future therapeutic strategies for invasive fungal infections based upon an understanding of fungal pathogenesis

Chairs: Margaret Hostetter, Yale University School of Medicine, New Haven, CT; and William J. Steinbach, Duke University Medical Center, Durham, NC

As very premature infants and immunocompromised patients experience prolonged survival, the prevalence of invasive fungal infections has risen. This session will provide the newest information regarding epidemiology, pathogenesis and diagnosis of invasive fungal infections in neonates and children.

8:00 Epidemiology of Invasive Fungal Infections in Children

Theoklis Zaoutis, The Children's Hospital of Philadelphia, Philadelphia, PA

8:30 Pathogenesis of Invasive Candidal Infections in Neonates

Cheryl A. Gale, University of Minnesota, Minneapolis, MN

9:00 Pathogenesis of Aspergillus Infections

Kieren Marr, University of Washington and Fred Hutchinson Cancer Research Center, Seattle, WA

9:30 New Diagnostic Methods for Invasive Fungal Infections in Children

William J. Steinbach, Duke University Medical Center, Durham, NC

Sponsored jointly by the American Society of Pediatric Hematology/Oncology, Pediatric Infectious Diseases Society and the Pediatric Academic Societies

8:00am–10:00am

5125 Allergy / Immunology / Rheumatology

PAS Platform Session ~ TCC, Room 715B

Chairs: Chaim Roifman and Shumpei Yokota

8:00 APG101.10 – A Novel Allosteric Small Peptide Antagonist of Interleukin-1 Receptor. Christiane Quiniou, Sylvain Chemtob, William D. Lubell. *Publication 5125.1*

8:15 * The Role of Adaptive Immunity and T Cells in a Murine Model of Coronary Arteritis. Danica J. Schulte, Emily L. Lowe, Michelle Wong, Kenichi Shimada, Shuang Chen, Michael Fishbein, Moshe Arditi. *Publication 5125.2*

8:30 Prenatal Induction of Immune Tolerance Is Not a Phenomenon of All-or-None and Relies upon the Chimerism Level. Jeng-Chang Chen, Pei-Yeh Chang, Liang-Shiou Ou, Ming-Ling Kuo. (Sponsored by Hanmin Lee) *Publication 5125.3*

8:45 Pediatric Granulomatous Arthritis International Registry: An Interim Report. Carine H. Wouters, Tammy M. Martin, Silvia Meiorin, Trudy Doyle, Jinnell Lewis, Carlos D. Rose. *Publication 5125.4*

9:00 Analysis of Gene Expression Profiles of Fibroblast-Like Synoviocytes (FLS) in Oligoarticular Juvenile Idiopathic Arthritis (JIA). AnneMarie C. Brescia, Carlos D. Rose, Suzanne M. McCahan, Timothy Stetson, Paul T. Fawcett. *Publication 5125.5*

9:15 Pathway Analysis of Genes Differentially Expressed in Mononuclear Cells of Children with SLE. Kathleen M. O'Neil, Justin Neff, Igor Dozmorov, M. Barton Frank, Craig Cadwell, Thuan Nguyen, Michael Centola. *Publication 5125.6*

9:30 Poly- and Pauci-Articular JRA Show Distinct Neutrophil Gene Expression Profiles but More Closely Resemble Each Other Than They Do Healthy Controls. James N. Jarvis, Ryan McKee, Nicholas Knowlton, Amita Aggarwal, Igor Dozmorov, M. Barton Frank, Yanmin Chen, Michael Centola. *Publication 5125.7*

9:45 * Efficacy of Intravenous Immunoglobulin Therapy in Juvenile Dermatomyositis. C. Lam, C. Manlhiot, E. Pullenayegum, P.N. Tyrrell, B.M. Feldman. *Publication 5125.8*

8:00am–10:00am

5130 Late Breaker I: Neonatal Clinical Trials

PAS Platform Session ~ TCC, Hall G

Chairs: John P. Kinsella and Richard J. Martin

The "Late-Breaker" sessions will include reports on clinical trials and other important and significant pediatric research, which might not have been ready for reporting at the time of the winter abstract deadline. There are two sessions during the meeting. Session II is Saturday afternoon from 1:00pm–3:00pm. The sessions will include presentations in the areas of neonatology, basic science and clinical research in several clinical areas. Please be sure to review the content so you don't miss these very special sessions!

The abstracts selected for this session were not available at press time, but are included as a separate piece with this program, onsite from the PAS Information Desk at the Toronto Convention Center (Level 600), and are also posted on the PAS website after April 1st at www.pas-meeting.org.

8:00am–10:00am

5135 Lung Development and More

PAS Platform Session ~ TCC, Room 701A

Chairs: James M. Greenberg and Lawrence S. Prince

8:00 CEACAM6: A Hormonally Regulated Surfactant-Associated Protein in Lung Type II Cells. Philip L. Ballard, Linda W. Gonzales, Venkat Kolla, Nicole Bailey. *Publication 5135.1*

8:15 Role of Caveolin-1 in Mechanotransduction of Fetal Type II Epithelial Cells. Benjamin S. Maciejewski, Yulian Wang, Amanda McCoy, Juan Sanchez-Esteban. *Publication 5135.2*

APS/SPR Student Research Program Awardee

Amanda McCoy

8:30 Surfactant Protein B (SP-B) Processing by the Aspartic Protease Pepsinogen C (PGC). Susan Guttentag, Kristin Gerson, Peggy Zhang, Zhenguo Zhang, Cherie Foster, Michael Rosenblatt. *Publication 5135.3*

8:45 TACE Activity during Murine Lung Development. Sandy Murray, Lucia Pham, MaryAnn V. Volpe, Sujatha M. Ramadurai, Heber C. Nielsen. *Publication 5135.4*

9:00 * Effects of LGL1 Protein on Late Gestation and Perinatal Lung. Taiwo Adekunle, Lami Oyewumi, Stephane Gagnon, Feige Kaplan, Neil Swezey. *Publication 5135.5*

9:15 Changes in Developmental Expression Pattern in Lung Endothelial Nitric Oxide Synthase (eNOS) May Account for Late Onset of Hemorrhagic Hereditary Telangiectasia (HHT). Jaques Belik, Mourad Toporsian, Dongge Li, Mirjana Jerkic, Michelle Letarte. *Publication 5135.6*

9:30 * Maintenance of Vascular Reactivity in the Isolated Patent Ductus Arteriosus of Mice with Genetic or Prolonged Pharmacological COX Inhibition. Patrick W. O'Mara, Stan D. Poole, Naoko Brown, Jeff Reese. *Publication 5135.7*

9:45 The Role of Akt-1 and Hematopoietic Stem Cells in Amelioration of Myocardial Function Following Myocardial Infarction. Ting C. Zhao, Andy Tseng, Beth McGonnigal, Joan Stabila, Naohiro Yano, Yi-Tang Tseng, James F. Padbury. *Publication 5135.8*

8:00am–10:00am

5140 Neonatal Epidemiology & Follow-up

PAS Poster Symposium ~ TCC, Room 801A

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Maureen Hack and Scott A. Lorch

1 Do Impairments in Visual Functions Influence Motor Skills in Low Birth Weight Adolescents? Kari Anne I. Evensen, Susanne Lindqvist, Marit S. Indredavik, Jon Skranes, Ann-Mari Brubakk, Torstein Vik. *Publication 5140.1*

2 8 Year Growth Status of Preterm Infants Who Receive Early Educational Intervention. Robert H. Bradley, Patrick H. Casey, Leanne Whiteside-Mansell, Kathleen W. Barrett, Jeffrey Gossett, Pippa M. Simpson. *Publication 5140.2*

3 Childhood Carotid Intima Medial Thickness (CIMT) Following Veno-Arterial Neonatal ECMO. Philippe Friedlich, Jaime Gonzales, Hari Keshava, Toni Nield, Shahab Noori, Istvan Seri, Vicente Gilsanz. *Publication 5140.3*

4 Smaller Number of Sex Partners in Young Adults Born with Very Low Birth Weight. Eero Kajantie, Petteri Hovi, Katri Raikkonen, Anu-Katriina Pesonen, Kati Heinonen, Anna-Liisa Jarvenpaa, Johan G. Eriksson, Sonja Strang-Karlsson, Sture Andersson. *Publication 5140.4*

- 5* **Severe Prematurity Is Not Associated with Increased ADHD Symptoms in Young Adulthood.** Sonja Strang-Karlsson, Sture H.M. Andersson, Katri Raikonen, Petteri Hovi, Jari Lahti, Anu-Katriina Pesonen, Kati Heinonen, Anna-Liisa Jarvenpaa, Johan Eriksson, Eero Kajantie. *Publication 5140.5*
- 6* **Neonatal Outcomes for Term and Near-Term Infants Requiring Mechanical Ventilation: A 15 Year Population-Based Study.** Samir Gupta, Lorna M. Gillespie, Win Tin, Alan C. Fenton, Sunil K. Sinha. (Sponsored by Steven M. Donn) *Publication 5140.6*
- 7* **Should the Use of the Papile Classification of Cerebral Ultrasound (CU) Lesions Be Abandoned for the Prediction of Neurodevelopmental Outcomes in Very Preterm Babies?** Robin Williams, Phil Murphy, Benvon Cramer, Wayne Andrews, Khalid Aziz. (Sponsored by Shoo K. Lee) *Publication 5140.7*
- 8 **Determining the Incidence of Severe Disability for Extremely Low Birth Weight (ELBW) Infants Using a Parental Questionnaire.** C. Mercier, K. Ferrelli, D. Howard, R. Soll, the Vermont Oxford Network Follow Up Study Group. *Publication 5140.8*
- 9 **Predicting Severe Neonatal Hyperbilirubinemia.** Ron Keren, Xianqun Luan, Susan Friedman, Stephanie Saddlemire, Avital Cnaan, Vinod K. Bhutani. *Publication 5140.9*
- 10 **Convalescent Care of NICU Infants in Community Hospitals: Risk or Benefit?** P.K. Donohue, B. Hussey-Gardner, L.J. Sulpar, R. Fox, S.W. Aucott. (Sponsored by Marilee C. Allen) *Publication 5140.10*
- 11 **Follow-Up at 2 Years of Age of All Admissions to a Regional NICU Compared with Controls.** Brian A. Darlow, Nina Mogridge, L. John Horwood, Beth Wynn-Williams, Nicola Austin. (Sponsored by Neil Finer) *Publication 5140.11*

8:00am–10:00am

5145 Neonatal Patient Oriented Research

PAS Platform Session ~ TCC, Hall F

Chairs: Judy L. Aschner and Robin K. Ohls

- 8:00 **Retinal Vessel Diameter between 31 and 34 Weeks Post-Conceptional Age Predicts Progression to Severe Retinopathy.** Monte D. Mills, Juan E. Grunwald, Karen A. Karp, Graham E. Quinn, Michael P. Rabinowitz, Gui-shuang S. Ying. *Publication 5145.1*
- 8:15 * **Meningitis in Preterm Neonates: Importance of Cerebrospinal Fluid Parameters.** P. Brian Smith, Harmony P. Garges, C. Michael Cotten, Thomas J. Walsh, Reese H. Clark, Daniel K. Benjamin, Jr. *Publication 5145.2*
- 8:30 * **Cost-Utility Analysis of Telemedicine for Retinopathy of Prematurity Diagnosis.** Karen E. Scott, Kevin M. Jackson, Joshua Graff Zivin, David A. Bateman, John T. Flynn, Michael F. Chiang. *Publication 5145.3*
- 8:45 **Use of the Infant Laerdal Resuscitator Results in Delivery of High Oxygen Fractions (FIO2) in the Absence of a Blender.** Katie Reise, Shelley Monkman, Haresh Kirpalani. *Publication 5145.4*
- 9:00 **Gene Expression Analysis in Pregnant Women and Their Infants Identifies Unique Fetal Biomarkers That Circulate in Maternal Blood.** Jill L. Maron, Kirby L. Johnson, Donna Slonim, Chaoqiang Lai, Zina Jarrah, Diana W. Bianchi. *Publication 5145.5*
- 9:15 * **Framing and Perinatal Decisions: Implications for Informed Consent.** Marlyse F. Haward, Ryan O. Murphy, John M. Lorenz. *Publication 5145.6*
- 9:30 * **Outcomes of Fetuses and Infants with Lethal Congenital Anomalies: Does Prenatal Diagnosis Make a Difference?** Andrew M. Courtwright, Matthew M. Laughon, Mia W. Doron. *Publication 5145.7*
- 9:45 **Enhanced Ultraviolet Germicidal Irradiation in Hospital Air Handlers Decreases Ventilator-Associated Pneumonia (VAP).** Corinne L. Leach, Gregory E. Wilding, Rita M. Ryan, Ralph J. Wynn, Bruce A. Holm. *Publication 5145.8*

8:00am–10:00am

5195A Renal Biopsy Short Course

ASPN Workshop ~ TCC, Room 713AB

Target Audience: Pediatric nephrologists, clinicians interested in an update on renal diseases and trainees.

Objective:

- At the conclusion of this session participants will have a general understanding of the morphologic abnormalities and their clinical correlates for a broad range of renal diseases encountered in children

Chairs: Stephen M. Bonsib, James Whitcomb Riley Hospital for Children, Indiana University Medical Center, Indianapolis, IN; and Patrick Walker, Nephropathology Associates, Little Rock, AR

Children develop many of the same renal diseases that affect adults; however, some of these have their own unique diagnostic nuances, or differ in prognosis and response to treatment. In addition, there are a number of diseases that are either unique to pediatric pathology, or particularly likely to present in children such as congenital nephrotic syndrome, selected forms of

glomerulonephritis, nephronophthisis, and developmental abnormalities of the kidney and urinary tract. In this short course, the renal biopsy findings and clinical correlations of the major medical renal diseases of children, and selected cystic and developmental diseases, especially those with genetic or hereditary implications will be covered. Participants will receive a CD containing images of the entities discussed.

8:00am–11:00am

5200 Building a Simulation Learning Experience

PAS Workshop ~ TCC, Room 206E

Target Audience: Trainees interested in education, faculty and program directors.

Objectives:

- Demonstrate novel educational methods through live interactive scenarios
- Understand and participate in the debriefment process for scenarios
- Review different formats for simulation learning, and review technologies

Leader: Chris Kennedy; Co-leaders: Kent Denmark, Robert Schremmer, Steve Dizaiy

High-fidelity simulation offers exciting opportunities for medical education. This workshop will discuss different models for simulation-based learning programs, the costs, the benefits, set-up, the technologies, and learning advantages. The audience will be allowed to actually run through mini-scenarios with a high-fidelity infant mannequin. After experiencing a scenario, the audience will be presented with example methods of debriefing, and be asked to apply them to actual prerecorded simulations.

8:00am–11:00am

5202 Can You Tell Me More?: How To Teach, Assess, and Integrate Communication Skills into an Already Crowded Curriculum

PAS Workshop ~ TCC, Room 206A

Target Audience: Junior faculty, mid-level faculty, senior faculty, residents, fellows, residency program and clerkship directors, and those responsible for teaching and assessing communication skills.

Objectives:

- Provide a communication skills framework participants can use or adapt for teaching and assessing communication skills in their own institutions
- To provide participants the opportunity to practice identifying and assessing communication competencies using the Kalamazoo Consensus Statement model
- To develop strategies for implementing communication skills curricula and getting faculty buy-in in participants' own institutions

Leader: Elizabeth Rider

Physicians' communication skills significantly impact patient care and health outcomes. The ACGME and LCME require competency in these skills. This interactive, skills-based workshop will provide participants with a framework, using the Kalamazoo Consensus Statement model, for teaching and assessing communication skills. Using video clips, participants will practice identifying and assessing communication competencies. Participants will share challenges to implementing communication skills teaching and assessment, learn about different approaches, and develop strategies to integrate communication skills into the curricula at their own institutions. A syllabus and assessment tool will be provided.

8:00am–11:00am

5204 Core Competencies and the OSCE: Assessing Multiple Physician Competencies in a Performance Format

PAS Workshop ~ TCC, Room 205C

Target Audience: Junior and senior faculty, in particular program directors and medical educators who are planning to assess physician competencies using a performance based OSCE model.

Objectives:

- To understand how physician competencies can be assessed using the OSCE
- To be able to incorporate multiple physician competencies into an OSCE blueprint
- To design OSCE stations that assess specific competencies

Leader: Brian Simmons Co-leader: Ann Jefferies

Program directors and medical educators are challenged with developing evaluation tools that assess multiple physician competencies in a reliable and valid manner. In this interactive workshop, using prerecorded role-playing clinical vignettes

and small group tasks, participants will learn how a performance-based OSCE (objective structured clinical examination) may be used for the evaluation of multiple core physician competencies. Participants will learn how to incorporate multiple

competencies into an OSCE blueprint, design OSCE stations to assess specific competencies and provide feedback to candidates about their performance related to different competencies. We encourage participants to share their experiences with the OSCE and the strategies they have used to incorporate different competencies.

8:00am–11:00am

5206 Daring to Care: Teaching Residents an Approach to Palliative Care

PAS Workshop ~ TCC, Room 715A

Target Audience: Students, residents and faculty mentors interested in learning how to teach trainees about palliative care, incorporating competencies in professionalism and interpersonal communication.

Objectives:

- Determine a framework for discussing ethical and spirituality issues that commonly arise
- Model reflective practice through discussion of response to clinical vignettes, and a questionnaire assessing comfort with death and dying
- Determine whether/when a patient is appropriate for palliative care

Leader: Mary Ottolini; Co-leaders: Karen Smith, Ira Cohen, Brian Rood, Jane Brooks

The goal of this workshop is to promote an educational approach to teaching pediatric residents about palliative care so they can identify appropriate patients, initiate discussions with families and manage patients in a manner that provides comfort, maximizing quality of life. Using small group discussion led by a multidisciplinary team and framed around video case vignettes, participants will learn to: 1) Model reflective practice by self-assessing comfort with death and dying; 2) Determine whether/when a patient is appropriate for palliative care and delineate important communication issues to address with families; 3) Determine a framework for discussing ethical and spirituality issues; 4) Discuss the role of palliative and hospice teams in augmenting care; managing symptoms like pain, dyspnea and nutrition; 5) Discuss resident how to support residents in processing their own emotional responses to providing pediatric palliative care.

8:00am–11:00am

5208 Down With PowerPoint!: First Aid for Fellows Clinical Presentations

PAS Workshop ~ TCC, Room 712

Target Audience: Residents, fellows, and faculty interested in improving their group presentations on clinical topics.

Objectives:

- Recognize errors of commission and omission when using PowerPoint
- Utilize effective presentation techniques to create an activated learning environment
- Maintain a seamless evidence-based focus in clinical presentations

Leader: Bud Wiedermann

This workshop will help attendees deliver more effective clinical topic presentations using 3 skill sets: 1) Effective use of PowerPoint as an adjunct rather than a presentation crutch; 2) Small group presentation techniques will be shown and critiqued for learning effectiveness; 3) Methods for incorporating strength-of-evidence points into presentations will be discussed. During the session, attendees will critique videotapes of presentations before and after modification. Attendees may receive individualized feedback by sending their own presentations to bwiederm@cnmc.org at least 2 weeks prior to the session.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

8:00am–11:00am

5210 Family-Centered Rounds: Implementing One Aspect of Family Centered Care

PAS Workshop ~ TCC, Room 706

Target Audience: Faculty members interested in implementing family centered care.

Objectives:

- Become empowered with a framework to model your own approach to family centered rounds Learn how to approach obstacles as they arise
- Review of data regarding patient, resident and attending satisfaction

Leader: Julia Simmons; Co-leaders: Thomas Pham, Keith Mann, Jane Knapp

The goal of this workshop is to discuss our approach to implementing family centered rounds. We will then address our approach to obstacles such as confidentiality, infection control, social issues, time management, translation services, and inconsistency. Lastly, we will discuss the data we have collected regarding patient, resident, and attending satisfaction.

The workshop will be interactive focusing on audience participation and problem solving in small group sessions. It will also include didactic lectures, a video, and wrap up discussion. Upon leaving, participants will be empowered with a framework to model their own approach to family centered rounds.

8:00am–11:00am

5212 Lawyers and Doctors: A Collaborative Model for Legal Advocacy and Training

PAS Workshop ~ TCC, Room 703

Target Audience: Faculty members interested in developing legal advocacy resources or teaching trainees legal advocacy.

Objectives:

- Learn the benefits of medical-legal collaborations in the clinical setting
- Learn how to identify and develop partnerships with lawyers
- Learn how to develop a collaborative approach to training law and medical students

Leader: Steven Blatt; Co-leaders: Suzette Melendez, Sarah Ramsey, Wendy Broton, Heidi White

Through a partnership between the medical and the law schools of two universities, the Syracuse Family Advocacy Program (FAP) utilizes faculty from both institutions to train law students, pediatric trainees and office staff about legal issues facing patients and families and to provide improved access to legal assistance in areas crucial to a child's well being, including housing, education and economic assistance. Attendees of this workshop will learn from these law school and pediatric faculty how to identify local resources and develop medical-legal partnerships for their patients. Additionally, participants will learn how law schools and medical schools can collaborate in teaching the other's trainees.

8:00am–11:00am

5220 Continuity

APA Special Interest Group ~ TCC, Room 206F

Chair: John Mark Olsson, olssonj@ecu.edu

The Continuity SIG is a great place to share ideas about administrative, educational, and clinical issues that arise in this important aspect of pediatric residency training. We will update the membership on current news from the APA Board, CORNET, and our own communications efforts. We will spend a large portion of the meeting in open forum concerning the continuity experience and the RRC. Our primary faculty development activity at the meeting will be “providing feedback in the continuity setting – making it practical”. After a brief overview, we will break into small groups to talk more about implementing feedback in the continuity setting. Finally, we will come back to the large group to have each group share key take home points.

8:00am–11:00am

5221 Evidence-Based Pediatrics

APA Special Interest Group ~ TCC, Room 205A

Chairs: Nader Shaikh, nader.shaikh@chp.edu; and Hans Kersten, hkersten@drexelmed.edu

Come join us for another exciting SIG meeting! This year we will be focusing on 1) how portfolios can be used to document EBM competency, and 2) on revising the APA guidelines for EBM. As usual, we will review recent developments in EBM and discuss opportunities for future collaboration.

8:00am–11:00am

5222 Hospital Medicine

APA Special Interest Group ~ TCC, Room 810

Chairs: Daniel Rauch, daniel.rauch@med.nyu.edu; and Jeffrey Sperring, jsperrin@iupui.edu

The Hospital Medicine SIG is for anyone interested in caring for inpatients. We will review issues in hospital medicine including the Pediatric Hospital Medicine 2007 conference in Salt Lake City in August, updating the activities of PRIS, the Pediatric Hospital Medicine curriculum, and updates on specialty recognition. We are planning on an activity with our colleagues from Toronto's Hospital for Sick Children. Please come, meet your peers, and bring any items of interest to share.

8:00am–11:00am

5223 Injury Control

APA Special Interest Group ~ TCC, Room 808

Chairs: Shari Barkin, sbarkin@wfubmc.edu; and Brian D. Johnston, bdj@u.washington.edu

Through the Injury Control SIG we present highlights on new injury control findings or research methodologies; allow injury control researchers to discover new resources to aid their work; and seek to foster collaboration among injury control researchers. This year we will feature a collaborative discussion of works in progress as well as the presentation of the second annual trainee research award in Injury Control. Our highly anticipated keynote presentation, by Dr. Mary Aitken, will highlight the history and current status of injury control activities related to ATV use by children. There will be ample time for networking and discussion. Please join us!

8:00am–11:00am

5224 Integrative Pediatrics

APA Special Interest Group ~ TCC, Room 709

Chairs: Olle Jane Sahler, OJ_Sahler@urmc.rochester.edu; and David M. Steinhorn, d-steinhorn@northwestern.edu

The Integrative Medicine SIG will feature presentations by clinicians and researchers experienced in integrating complementary modalities into their everyday practice of Pediatrics. Hands-on demonstrations provide invaluable experiential learning opportunities. The SIG meeting is being held in conjunction with a conference sponsored by the SickKids Foundation, a Canadian society devoted to supporting innovative CAM research, being held all day Friday 5/4. Further information about the SKF meeting, as well as registration materials, can be found at <http://www.sickkidsfoundation.com/grants/forum2007.asp>

8:00am–11:00am

5225 Literacy Development Programs in Primary Care

APA Special Interest Group ~ Westin Harbour Castle, Harbour Ballroom

Chairs: Perri Klass, perri.klass@med.nyu.edu; and Robert Needlman, robert.needlman@case.edu

The SIG provides a forum for academically-minded clinicians interested in literacy promotion, Reach Out and Read, early literacy development, health literacy, and related research to exchange information and questions about various aspects of the intervention, including training, implementation, fundraising, assessment, and program innovation. Colleagues who have research in any stage of development are encouraged to present. Discussion will focus on the role of the clinician in literacy promotion, on effective strategies for exam room interventions and for incorporating literacy promotion into residency training, and on current and future research.

Presented jointly by Reach Out and Read and the Ambulatory Pediatric Association

8:00am–11:00am

5226 Medical Student Education

APA Special Interest Group ~ TCC, Room 809

Chairs: William V. Raszka, Jr., william.raszka@uvm.edu; and J. Lindsey Lane, jllane@NEMOURS.ORG

8:00am–11:00am

5227 Pain

APA Special Interest Group ~ TCC, Room 705

Chairs: Burce Bernstein, bbernste@stfranciscare.org; and Neil Schechter, nschecht@stfranciscare.org

This year's PAIN SIG will focus on chronic and persistent pain in infants and children. A trio of internationally known pediatric pain researchers from The Hospital for Sick Children in Toronto will lead the session. The program should be of interest to both general practitioners and specialists. Presenters and topics include:

Bonnie Stevens, PhD: Introduction and concepts of persistent or chronic pain in infants from perspectives of health professionals and parents.

Anna Taddio, PhD. Repeated pain, its consequences (e.g. conditioning) and current management issues.

Patricia McGrath, PhD: Persistent and chronic pain in the child - factors associated with occurrence and individual differences; novel assessment and management strategies.

8:00am–11:00am

5228 Pediatric Emergency Medicine Program Directors

APA Special Interest Group ~ TCC, Room 711

Chair: Naghma Khan, naghma_khan@oz.ped.emory.edu

Pediatric Emergency Physician Productivity: Can We Measure and Reward Everything We Do?

Measures of productivity are the norm in private practice and are increasingly being encouraged in medical schools to improve faculty productivity. Using a diverse panel of experts this session will provide a broad overview of this issue followed by an open discussion regarding the different methodologies used by academic and non-academic programs to measure and reward both clinical and academic productivity. We will also discuss possible applications for productivity-based compensation plans.

8:00am–11:00am

5232 Serving the Underserved

APA Special Interest Group ~ TCC, Room 206D

Chairs: Wendy L. Hobson-Rohrer, wendy.hobson@hsc.utah.edu and Kirsten Roberts-Butelman, roberts_kirsten@hotmail.com

The Serving the Underserved (SUS) SIG is dedicated to improving the health care of high-risk pediatric populations such as children who are economically disadvantaged, uninsured, underinsured, homeless and face barriers to accessing quality health care. SUS focuses on clinical practice, education, research and advocacy that further this cause.

This year we will focus on the past, present and future of educating pediatric residents to provide health care to underserved children. We will revisit a 1990 APA conference on this topic, discuss what has happened since then and where we should go from here. It promises to be an exciting discussion!

8:00am–12:00pm

5280A LWPES Plenary Session I

TCC, Room 105

Target Audience: Scientists and clinicians interested in state of the art research (clinical and basic) in pediatric endocrinology, diabetes mellitus and related disciplines.

Objectives:

- Appreciate the historical and ethical considerations in the clinical management of children with disorders in sex differentiation or short stature
- Understand traditional and non-traditional biological functions of GH
- Understand recent developments in the molecular and cellular physiology of pituitary development that impact the clinical management of children with pituitary disorders

Chairs: Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK; and Ram K. Menon, University of Michigan, Ann Arbor, MI

8:00 Lawson Wilkins Lecture—Ethical and Historical Considerations in Treating Children with Disorders of Sex Development and Idiopathic Short Stature

Alice Dreger, Feinberg School of Medicine, Northwestern University, Chicago, IL

9:00 Robert Blizzard Lecture—Growth Hormone: For Growth and For Life

Jens Sandahl Christiansen, Aarhus University Hospital, Aarhus, Denmark

10:00 Esoterix Lecture—Pituitary Development and Differential Disease Diagnosis: Roles of Transcription Factors and Signaling Pathways

Sally Camper, University of Michigan, Ann Arbor, MI

8:00am–12:15pm

5285 Individual, Family, School, Community and Health System Approaches to Childhood Obesity: A Comprehensive Plan

PAS Mini Course ~ TCC, Room 205B

Target Audience: General pediatricians, sub-specialists, pediatric residents and nurse clinicians.

Objectives:

- Describe the essential principles of motivational interviewing
- Understand the Transtheoretical Stages of Change model and the ability of patients to progress forward or backward through these changes
- Acquire beginning skills in the use of open-ended questions and reflective listening to help patients consider changes in their diet and activity behaviors
- Describe strategies to initiate school, community and health system collaborations to promote healthful behaviors for children at risk for diabetes and overweight

Chair: David P. McCormick, University of Texas Medical Branch at Galveston, Galveston, TX

Pediatric overweight can be successfully managed using a family-oriented multicomponent approach stressing counseling, nutrition education and physical activity. The physician's role should be to: 1) identify and communicate the problem to families, 2) provide counseling and 3) facilitate the availability of healthy nutrition and activity in schools and the community. This 4-hour mini-course will first address counseling through motivational interviewing (MI), a method of communication which can assist individuals as they work through their ambivalence and resistance to behavior change. Physicians are taught to provide information, but behavior change is driven more by motivation than information. The course will emphasize the "stages of readiness" model of change. Through interactive exercises, learners will use MI tools to assess the patient's interest and confidence in making behavior change. Course leaders and learners will then focus on prevention by sharing successful examples of interventions in schools, communities and health systems. Second, a model secondary prevention program will be discussed. Participants will discuss community options/interventions, share these ideas with the other participants and discuss final issues during wrap-up.

8:00 Introduction

David P. McCormick, University of Texas Medical Branch at Galveston, Galveston, TX

8:10 The Roots of Motivational Interviewing in the Transtheoretical Model

Christopher F. Bolling, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

8:30 Motivational Interviewing to Promote Behavior Change

Robert P. Schwartz, Wake Forest University School of Medicine, Winston-Salem, NC

10:30 Advocate for and Facilitate the Availability of Healthy Nutrition and Activity in Schools and the Community

David P. McCormick, University of Texas Medical Branch at Galveston, Galveston, TX

9:00am–11:00am

5287 Medical Education - Resident Education

PAS Platform Session ~ TCC, Room 206C

Chairs: Heather A. McPhillips and R. Franklin Trimm

9:00 The Effect of Advanced Access Scheduling in a Pediatric Residency Continuity Clinic on Patient Care, Practice Efficiency and Patient and Resident Satisfaction. Sanjeev Y. Tuli, Lindsay A. Thompson, Kathleen A. Ryan, Ganga L. Srinivas, Donald J. Fillips, Christopher M. Young. *Publication 5287.1*

9:15 Structured Clinical Observations: Assessing the 360-Degree Evaluation in a Pediatric Resident Continuity Clinic. Karen P. Zimmer, Barry S. Solomon, George K. Siberry, Janet R. Serwint. *Publication 5287.2*

9:30 Resident and Faculty Perceptions of Structured Clinical Observations in a Pediatric Continuity Clinic. Laura Dattner. *Publication 5287.3*

9:45 Using Action Research, Reflective Practice, and Case Study Methods To Ascertain Residents' Learning in Continuity Clinic. Carl E. Johnson. (Sponsored by Danielle Laraque) *Publication 5287.4*

10:00 The Impact of Teaching and Learning Styles on the Preceptor-Resident Educational Relationship in the Continuity Setting. Lisa M. Vaughn, Raymond C. Baker. *Publication 5287.5*

10:15 Resident Community Experiences: Documenting Competencies. Nancy Swigonski, Kara Cebulko, Abigail Klemsz, Mary Ciccarelli, Janet Shultz, Sarah Stelzner. *Publication 5287.6*

10:30 Communication Strategies in Health Education: Using an Interactive DVD To Teach Child Development to Pediatric Residents. Pratibha Shirsat, Rosas-Blum Eduardo, Leiner Marie. *Publication 5287.7*

10:45 * Assessment for Physicians' Decision Making When Confronted with Medical Ethical Dilemmas. Tsuen-Chiuan Tsai, Chyi-Her Lin, Peter H. Harasym, Sylvain Coderre. (Sponsored by Chao-Ching Huang) *Publication 5287.8*

9:00am–11:00am

5288 Obesity I: General Trends, Prenatal and Early Predictors

PAS Platform Session ~ TCC, Room 205D

Chairs: Julie C. Lumeng and John N. Udall

9:00 National Rates of Morbid Obesity among US Children and Adolescents. Joseph A. Skelton, Stephen Cook, Peggy Auinger, Jonathon Klein, Sarah Barlow. *Publication 5288.1*

9:15 Projecting the Burden of Childhood Obesity in America to 2030: Demographics and Disparities. Leonardo Trasande, Clyde B. Schechter, Matthew W. Gillman, Trudy L. Burns, David A. Savitz, Philip J. Landrigan. *Publication 5288.2*

9:30 * Trends in Overweight/Obesity and Excessive Weight Gain for BMI among Pregnant Teenagers. Christina Peacock, Kerri Fitzgerald, Jinwen Cai, Paul Dew, Gerald L. Hoff, Felix A. Okah. *Publication 5288.3*

9:45 * Pre-Pregnancy Body Mass Index (BMI) and Pregnancy Outcomes in Mexican Population. The Neosano Collaborative Study Group's Experience. Maria del Carmen Avila, Maria del Carmen Melo, Monica Villa-Guillen, Alfonso Reyes-Lopez, Dina Villanueva-Garcia, Teresa Murguia de Sierra, Neosano, Collaborative Neonatal Health Study Group. *Publication 5288.4*

10:00 Maternal Obesity and Dysregulation of Inflammatory Cytokines: A Pilot Study. Juliette Madan, Walter Allan, Olaf Dammann, Robert Quinn, Jonathan M. Davis. *Publication 5288.5*

10:15 * Health Habits of Mother's and Preschool Children: Close Ties. Robert S. Greenberg, Adolfo J. Ariza, Christine L. Sullivan, Roopa Seshadri, Helen J. Binns. *Publication 5288.6*

10:30 Preschooler Obesity and Parenting Styles of Mothers and Fathers: National Population Study. Melissa Wake, Jan M. Nicholson, Pollyanna Hardy, Katherine Smith. (Sponsored by Frank Oberklaid) *Publication 5288.7*

10:45 * Maternal Perception of Neighborhood Safety and Child's Overweight Status in 5th Grade. Jason M. Bacha, Danielle Appugliese, Robert H. Bradley, Robert F. Corwyn, Julie C. Lumeng. *Publication 5288.8*

9:00am–11:00am

5289 Underserved Populations I

PAS Platform Session ~ TCC, Room 206B

Chairs: Glenn Flores and Elena Fuentes-Afflick

9:00 Household Food Insecurity and Mental Health History in Post Partum Women Delivering in an Inner-City Hospital. Diana B. Cutts, Helen Kim, Laura Richardson, Tu Quan, Joni S. Geppert. *Publication 5289.1*

9:15 Prevalence of Psychiatric Disorders among Urban Postpartum Mothers Attending Well-Child Care Visits. Linda H. Chaudron, Peter G. Szilagyi, Elizabeth Anson, Holly I.M. Wadkins, Stephanie A.M. Giannandrea, Nancy L. Talbot.
Publication 5289.2

9:30 Timely Identification of Mental Health Problems in a Foster Care Medical Home. S.H. Jee, M.A. Szilagyi, S. Blatt, V. Meguid, P. Auinger, P.G. Szilagyi.
Publication 5289.3

SPR Fellow Clinical Award Recipient

Arvin Garg

9:45 * Improving the Management of Family Psychosocial Problems at Low-Income Children's Well-Child Care Visits: The WE CARE Project. Arvin Garg, Arlene Butz, Paul Dworkin, Rooti Lewis, Richard Thompson, Janet Serwint.
Publication 5289.4

10:00 Effects of Intrauterine Cocaine Exposure and Other Risk Factors on Neuropsychological Test Scores at 9.5 Years. Marjorie Beeghly, Brett Martin, Ruth Rose-Jacobs, Howard Cabral, Tim Heeren, Deborah A. Frank.
Publication 5289.5

10:15 Emotional Response to the Ano-Genital Examination of Suspected Sexual Abuse. Philip V. Scribano, Gail Hornor, Sherry Curran, Dale Roda.
Publication 5289.6

10:30 Observed Structural Clinical Exam (OSCE) Sexual History Taking Project. Kathleen R. Beckmann, Marlene D. Melzer- Lange, Diane Dettinger, Marc H. Gorelick.
Publication 5289.7

10:45 Parental Assessment of Physician Qualification To Give Advice in AAP Targeted Infant Care Practices Related to AIDS. L.A. Smith, E.R. Colson, G. Lister, T. Colton, D. Rybine, M.J. Corwin.
Publication 5289.8

9:30am–11:30am

5290 Update on Transfusion Reactions, Neonatal Transfusions and Blood Pathogens

PAS/ASPHO/PIDS Topic Symposium ~ TCC, Room 718B

Target Audience: General pediatricians, neonatologists, hematologists, oncologists and subspecialists who are involved in transfusion of patients.

Objectives:

- Understand the pathophysiology of transfusion reactions
- Understand neonatal specific issues in transfusion medicine
- Recognize the challenges to the blood supply and safety in the era of emerging and re-emerging pathogens

Chairs: Melody Cunningham, St. Jude Children's Research Hospital, Memphis, TN; and Prasad Mathew, University of New Mexico, Albuquerque, NM

This symposium will cover updates in the understanding of transfusion reactions, neonatal issues in transfusion medicine and supply and safety issues in the era of newly emerging and re-emerging pathogens. The program will address identifying and treating transfusion reactions, including TRAIN, TRALI and TACO. It will also give an update on what is new in neonatal transfusion medicine and the challenges to the blood supply and blood safety in the era of emerging Avian flu and re-emerging pathogens such as mumps and measles.

9:30 Introduction

Melody J. Cunningham, St. Jude Children's Research Hospital, Memphis, TN
Prasad Mathew, University of New Mexico, Albuquerque, New Mexico

9:40 TRAIN, TRALI, TACO: The Smorgasbord of Transfusion Reactions

Christine Cserti, University of Toronto, Toronto, Ontario, Canada

Transfusions in the Era of Emerging and Re-emerging Pathogens

10:10 What is New in Neonatal Transfusion Medicine?

Catherine Manno, Children's Hospital of Philadelphia, Philadelphia, PA

10:40 Transfusions in the Era of Emerging and Re-emerging Pathogens

Naomi L.C. Luban, Children's National Medical Center, Washington, DC

11:10 Discussion

Sponsored jointly by the American Pediatric Society of Pediatric Hematology/Oncology, Pediatric Infectious Diseases Society, Neonatal Hemodynamics Club and the Pediatric Academic Societies

9:30am–11:15am

5292 Hematology/Oncology I

PAS/ASPHO Platform Session ~ TCC, Room 716A

Chairs: Doug K. Graham and Jakub Tolar

9:30* In Vivo Suppression of Metastatic Murine Osteosarcoma. Su Young Kim, Meghaan P. Walsh, Martin Guimond, Terry J. Fry, Crystal L. Mackall, Joseph Briggs, Chand Khanna, Danielle L. O'Mard, Barry Jones, Nazneen Aziz, Lee J. Helman.
Publication 5292.1

- 9:45 Hes1 Expression, Driven by Notch Signaling, Is Essential for Osteosarcoma Invasion.** Pingyu Zhang, Yanwen Yang, Kenneth E. Lee, Patrick Zweidler-McKay, Dennis P.M. Hughes. *Publication 5292.2*
- 10:00* Oncolytic HSV-1 and Erlotinib Inhibit Tumor Growth and Angiogenesis in a Novel Malignant Peripheral Nerve Sheath Tumor Xenograft Model.** Yoni Y. Mahller, Sachin S. Vaikunth, Mark A. Currier, Shyra J. Miller, Maria C. Ripberger, Ya-Hsuan Hsu, Ruty Merhrian-Shai, Margaret H. Collins, Timothy M. Crombleholme, Nancy Ratner, Timothy P. Cripe. *Publication 5292.3*
- 10:15* Glutathione S-Transferase Pi Protein Expression Correlates with Progression Free Survival in Patients with Neuroblastoma.** L. Kilburn, D. Rudman, M.J. Hicks, K. Scorsone, Q. Shu, X.N. Li, J. Yan, R. David, S. Blaney, H. Russell, M.F. Okcu. *Publication 5292.4*
- 10:30* Hematopoietic Cell Transplantation (HCT) in Children with ALL in Second Complete Remission (CR2): Similar Results with Grafts from Unrelated Donors (URD) and HLA Matched Sibling Donors (MSD).** Angela R. Smith, Margaret L. MacMillan, Scott Baker, Todd E. DeFor, Michael R. Verneris, John E. Wagner. *Publication 5292.5*
- 10:45 Potential Therapeutic Intervention Suggested by Profound Deficiency of Neutrophil-Derived Bactericidal/Permeability-Increasing Protein (BPI) and Other Alterations in LPS-Directed Innate Immunity after Myeloablative Hematopoietic Stem Cell Transplantation (HSCT).** Ofer Levy, Eugenie E. Suter, Leslie A. Kalish, Janice D. Russell, Patrick J. Scannon, Eva C. Guinan. *Publication 5292.6*
- 11:00* CXCR4 Regulates Neuroblastoma Cell Invasion, Angiogenesis and Metastasis.** Libo Zhang, Herman Yeger, Sylvain Baruchel. *Publication 5292.7*

9:30am–11:30am

5293 Hematology/Oncology II

PAS/ASPHO Platform Session ~ TCC, Room 716B

Chairs: Charles T. Quinn and Anthony Villella

- 9:30 Early Predictors of Rapid Disease Progression in Children with Hemophagocytic Lymphohistiocytosis.** Rahim Valani, Pascal N. Tyrrell, Abha Gupta, Sheila Weitzman, Anasofia Lopez, Mohamed Abdelhaleem, Peter Cox, Jeremy Friedman, Susanne M. Benseler. *Publication 5293.1*
- 9:45 An Evaluation of Double-Negative T-Cells as Markers for Autoimmune Lymphoproliferative Syndrome (ALPS) or Autoimmune Disease States.** Carla C. Greenlaw, Eugene L. Hwang, Rachel Scheneider, Karen Ferreira, Sandra J. Meech. *Publication 5293.2*
- 10:00 Marked Depletion of Neuro- and Cardiovascular-Protective Factors in Children with Sickle Cell Disease (SCD).** Nora Esteban-Cruciani, Thomas Moulton, Susan Hailpern, James DiPerna, Donald Chace, M. Catherine Driscoll. *Publication 5293.3*
- 10:15 Conditional Transcranial Doppler Ultrasound Velocities: Risk of Conversion to Abnormal in Children with Sickle Cell Anemia.** Jane Hankins, Gail Fortner, Beth McCarville, Winfred Wang, Chin-Shang Li, Matthew Smeltzer, Russell Ware. *Publication 5293.4*
- 10:30* Intra-Patient Variability in Tricuspid Regurgitant Jet Velocity in Children with Sickle Cell Disease.** Jeanne E. Hendrickson, Lisa N. Clement, Eli S. Rosenberg, Anjelica James-Herry, Ifeyinwa Osunkwo, R. Clark Brown, Derek A. Fyfe. *Publication 5293.5*
- 10:45 Prediction of Adverse Outcomes in Children with Sickle Cell Anemia: Testing the CSSCD Early Prediction Model in the Dallas Newborn Cohort.** Charles T. Quinn, Nancy J. Lee, Elizabeth P. Shull, Zora R. Rogers, George R. Buchanan. *Publication 5293.6*
- 11:00 The Clinical Spectrum of Dyskeratosis Congenita.** Neelam Giri, Sharon Savage, Sara Khaghani, Blanche P. Alter. *Publication 5293.7*
- 11:15* Predictive Markers of Myelodysplastic Syndrome in the Bone Marrow of Patients with Inherited Bone Marrow Failure Syndromes.** Mohamad M. Al-Rahawan, Blanche P. Alter, Barbara J. Bryant, M. Tarek Elghetany. *Publication 5293.8*

9:45am–1:45pm

5295 Advocacy Training: From Theory to Practice

PAS Mini Course ~ TCC, Room 107

Target Audience: Pediatric program directors, faculty and residents interested in child advocacy training.

Objectives:

- Implement new advocacy training strategies at their institution
- Teach about environmental and community determinants of child health
- Partner with other health professional and community leaders/organizations to further advocacy and child health efforts

Chairs: Alice A. Kuo, University of California, Los Angeles, Los Angeles, CA; Megan Sandel, Boston University School of Medicine, Boston, MA; Jeffrey Kaczorowski, University of Rochester and the AAP Community Pediatrics Training Initiative,

Rochester, NY and Benjamin Hoffman, University of New Mexico, Albuquerque, NM

As advocacy training experiences continue to evolve, there is a need for opportunities to bring together residents, faculty, program directors and community partners to facilitate the development of this field. The APA Advocacy Training SIG, AAP Community Pediatrics Training Initiative, and Medical Legal Partnership for Children will build upon discussions from the 2006 Advocacy Training Mini-Course. This session will provide an overview of community and environmental determinants of child health and the ways in which these factors influence child advocacy. Innovative approaches to advocacy training and service learning will be discussed. The program will move from theory to practice with presentations on the Advocacy Boot Camp model and media advocacy tips. Participants will gain an understanding of various approaches to child advocacy training with a mind toward future implementation within their own educational settings.

9:45 Introduction

Alice A. Kuo, University of California Los Angeles, Los Angeles, CA
Megan Sandel, Boston University School of Medicine, Boston, MA
Jeffrey M. Kaczorowski, University of Rochester, Strong Memorial Hospital, Rochester, NY
Benjamin Hoffman, University of New Mexico, Albuquerque, NM

10:00 Confronting the Social Determinants of Children's Health: Using Data to Speak to Justice

Paul H. Wise, Stanford University, Stanford, CA

10:55 Legislative Advocacy: The 110th Congress—Identifying Key Issues and Realistic Objectives

Karen M. Hendricks, American Academy of Pediatrics, Washington, DC

10:55 Training Allied Health Professionals: The Advocacy Boot Camp (ABC) Model

Pamela Tames, Boston Medical Center, Boston, MA

11:25 Training Allied Health Professionals: The Advocacy Boot Camp (ABC) Model (with Pamela Tames)

Lauren A. Smith, Boston Medical Center, Boston, MA

12:55 Media Advocacy Tips for Health Care Professionals

Steven P. Shelov, Infants and Children's Hospital of Brooklyn, Maimonides Medical Center, Brooklyn, NY

Sponsored jointly by the APA Advocacy Training SIG, AAP Community Pediatrics Training Initiative, Medical-Legal Partnerships for Children and the Pediatric Academic Societies

10:00am–12:00pm

5305A Endothelial Dysfunction in Chronic Disease

ASPN Symposium ~ TCC, Room 713AB

Target Audience: Clinicians and researchers interested in gaining an update on suspected pathophysiologic mechanisms of vascular injury and the potential role endothelial dysfunction may play in progression of renal and systemic arteriopathy in children with chronic kidney disease.

Objectives:

- The significance of endothelial function in the pathogenesis of chronic kidney disease and its complications will be reviewed
- Recent advances leading to potential novel therapy in this area will be discussed
- Clinical significance and evaluation of endothelial function will be described

Chairs: Robert H.K. Mak, Oregon Health and Science University, Portland, OR; and Patricio E. Ray, George Washington University and Children's Research Institute, Washington, DC

Endothelial dysfunction has been identified as an important contributor to cardiovascular disease in the general population and is highly prevalent among patients with chronic renal impairment. Recent studies determined that vascular abnormalities develop during childhood chronic kidney disease. This symposium will review important mediators of endothelial function and potential mechanisms for development of endothelial dysfunction in children with CKD, assessment of endothelial function and therapeutic approaches for enhancing endothelial function.

10:00 Childhood Origin of Endothelial Dysfunction

Susan Quaggin, Samuel Lunenfeld Research Institute and Mount Sinai Hospital, Toronto, Ontario, Canada

10:25 Leukocyte Trafficking in Transplant Rejection: Links to the Developing Nervous System

Lisa A. Robinson, The Hospital for Sick Children, Toronto, Ontario, Canada

10:50 Evaluation of Endothelial Dysfunction in Children

Elaine Mott Urbina, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

11:15 Dialysis Access and Endothelial Dysfunction: New Paradigms for an Old Problem

Prabir Roy-Chaudhury, University of Cincinnati, Cincinnati, OH

11:40 Discussion

10:15am–12:15pm

5310 The Validity of Biomarkers in Predicting Neonatal Outcome

PAS Topic Symposium ~ TCC, Room 801A

Target Audience: Neonatologists, neurologists, basic scientists, biostatisticians and epidemiologists.

Objective:

- Critically evaluate biomarkers studies and their implication for clinical medicine

Chair: Mary C. Harris, Children's Hospital of Philadelphia, Philadelphia, PA

Neonatologists are always looking for ways to predict early how their patients will do long term after multiple interventions and injuries in the NICU. There have been several candidate markers suggested to predict the occurrence of brain injury, sepsis and BPD, amongst other diseases. Prior to suggesting their routine use in neonates, it would be extremely important to understand concepts of trial design and biostatistics that would allow for rigorous evaluation of specificity and sensitivity. In this session, several examples of potentially useful biomarkers are presented along with a primer of biostatistical principles to help confirm the usefulness of these markers.

10:15 Introduction

Mary C. Harris, Children's Hospital of Philadelphia, Philadelphia, PA

10:20 Can We Predict Sepsis with Serum Markers?

Mary C. Harris, Children's Hospital of Philadelphia, Philadelphia, PA

10:45 \$100B as a Biomarker of Severity of Brain Injury

Diego Gazzolo, G. Garibaldi Hospital, Catania and G. Gaslini Children's University Hospital, Genoa, Italy

11:10 C-reactive Protein as a Predictor of NEC

Massroor Pourcyrus, University of Tennessee, Memphis, TN

11:35 Biostatistical Validation of Markers in Clinical Medicine

Richard Aplenc, Children's Hospital of Philadelphia, Philadelphia, PA

12:00 Discussion

Supported by an unrestricted educational grant from Dey, L.P.

10:15am–12:15pm

5315 How IUGR and Macrosomia Produce Later Life Obesity, Insulin Resistance and Type 2 Diabetes, Despite Different Beginning Phenotypes

PAS/LWPES Mini Course ~ TCC, Hall G

Target Audience: Neonatology, endocrinology, nutrition and metabolism, gastroenterology. Each talk will focus on mechanisms, but aim at a general audience by including and specifically discussing clinical relevance and recommendations for future clinical-translational as well as basic science research.

Objective:

- At the conclusion of this session, participants should be better able to understand how very different changes in fetal growth in terms of body composition and growth trajectory and with variable changes in insulin production and action develop into different forms of insulin action and insulin production in later childhood and adulthood

Chair: William W. Hay, Jr., University of Colorado Health Sciences Center, Aurora, CO

IUGR infants have decreased insulin secretion while this is increased in macrosomic infants, but both have increased insulin sensitivity. Despite these differences, both types of infants develop a later life phenotype of insulin resistance and type 2 diabetes mellitus. It is not known how these fundamental

changes in insulin secretion and action develop, but the mechanisms appear central to the current epidemic of obesity and diabetes. This program will focus on basic science and clinical aspects of these changes in insulin secretion and action. Bill Hay will discuss how the IUGR and macrosomia phenotypes change over the life span; concluding with recommendations for a research agenda to address these fundamental problems. Sherin Devaskar will explore how insulin resistance develops in later life following IUGR and macrosomic fetal growth; and Rebecca Simmons will discuss how diminished or enhanced pancreatic development predisposes to later life failure to produce/secrete insulin.

10:15 The IUGR and Macrosomia Phenotypes and How They Change Over the Life Span

William W. Hay, University of Colorado Health Sciences Center, Aurora, CO

10:55 How Insulin Resistance Develops in Later Life Following IUGR and Macrosomic Fetal Growth

Sherin U. Devaskar, David Geffen School of Medicine, University of California, Los Angeles, CA

11:35 How Diminished or Enhanced Pancreatic Endocrine Cellular Development Predispose to Later Life Failure to Produce/Secrete Insulin

Rebecca A. Simmons, University of Pennsylvania, Children's Hospital, Philadelphia, PA

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

10:15am–12:15pm

5320 Immunotherapy for Children: Tinkering with the Immune System to Tailor Responses, Spying on the Results and Making Soldiers out of T Cells

PAS/ASPHO Mini Course ~ TCC, Room 707

Target Audience: Hematologists and oncologists including basic science, as well as translational and academic researchers.

Objectives:

- Understand how immune-based therapies are developed for treatment of childhood cancer
- Understand how immune-based therapies are applied in the treatment of childhood cancer
- Understand how conditioning regimens can improve the effectiveness of immune-based therapies

Chair: Laurence J.N. Cooper, MD Anderson Cancer Center, Houston, TX

Immunotherapy using antibody, effector T cells, vaccines and cytokines are being actively applied in clinical trials. However, the therapeutic successes of immunotherapy, which help support large biopharmaceutical companies, have been generally limited to adults. These invited speakers will each work to redress this imbalance giving much needed new emphasis to applying immune-based therapies for the treatment of childhood malignancies. The speakers will draw upon their experience both in the laboratory and in the clinic to provide examples how immunotherapy, or combinations of chemotherapy and immunotherapy, can be used. Dr. Sondel will discuss how monoclonal antibodies can be translated into clinical practice. Dr. Heslop will show how and what T cells can be infused to achieve a therapeutic effect. Dr. Mackall will demonstrate how vaccines and manipulating the recipient's immune system can be used to augment an anti-tumor immune response. As academic pediatricians we have to rely on our powers of deduction and use the tools at our disposal, which were mostly fashioned for use in adults, if we are to bring immunotherapy to mainstream pediatric practice. These are the same methods that George Smiley successfully used in the John Le Carré's novel and borrowed for the title of this session.

10:15 Introduction

Laurence J.N. Cooper, University of Texas, MD Anderson Cancer Center, Houston, TX

10:20 Incorporating Monoclonal Antibody Based Approaches into Combination Treatment for Childhood Cancer

Paul M. Sondel, University of Wisconsin, Madison, WI

10:55 T-Cell Therapies for Cancer and Viral Infections

Helen Heslop, Baylor College of Medicine, The Methodist Hospital and Texas Children's Hospital, Houston, TX

11:30 Manipulating the Host to Improve the Effectiveness of Tumor Vaccines

Crystal L. Mackall, National Cancer Institute, Bethesda, MD

12:05 Discussion

Sponsored jointly by the American Society of Pediatric Hematology/Oncology and the Pediatric Academic Societies

10:15am–12:15pm

5325 New Antimicrobial Therapeutics

PAS/ASPHO/PIDS/PGPR Mini Course ~ TCC, Room 718A

Target Audience: Pediatric infectious diseases specialists, hematologists/oncologists, transplant physicians, neonatologists, general pediatricians and hospitalists.

Objectives:

- Understand the basic science behind development of new antibacterial, antifungal, antiviral and antiparasitic agents
- Be aware of evolving indications for empiric antimicrobials in immunocompromised pediatric patients
- Understand high-priority areas for future clinical and translational research in antimicrobial chemotherapy

Chair: Upton Allen, University of Toronto and The Hospital for Sick Children, Toronto, Ontario, Canada

Emergence of antimicrobial resistance continues to complicate the management of critically ill pediatric patients, including premature infants and immunocompromised oncology and transplant patients. The need for continued development of novel strategies for management of infectious diseases is high. This minicourse will review the latest developments on novel strategies for antimicrobials targeting bacterial, viral, fungal and parasitic infections, with an emphasis on the management of infectious diseases caused by pathogens resistant to traditional classes of antimicrobials. New therapeutic targets and innovative antimicrobial strategies will be emphasized. Clinical scenarios in pediatric practice for which new antimicrobials are warranted will be reviewed, with an emphasis on the immunocompromised patient.

10:15 New Targets, New Chemical Entities and New Generations of Current Antimicrobials to Meet the New Challenges of Resistance

John S. Bradley, Children's Hospital and Health Center, San Diego, CA

10:40 New Antivirals and Strategies for Their Use

David W. Kimberlin, University of Alabama, Birmingham, AL

11:05 New Antimycotic/Antifungal Agents: Their Role in Pediatric Practice

Thomas J. Walsh, National Cancer Institute, Bethesda, MD

11:30 New Developments in Anthelmintic Chemotherapy and Global Helminth Control

Peter J. Hotez, The George Washington University, Washington, DC

11:55 Discussion

Sponsored jointly by the American Society of Pediatric Hematology/Oncology, Pediatric Infectious Diseases Society, Programme for Global Paediatric Research and the Pediatric Academic Societies

10:15am–12:15pm

5330 Brain Injury in the ICU

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 10:15am–10:45am

Discussion: 10:45am–12:15pm

Chairs: Robert S.B. Clark and Steven G. Kernie

- 1 Multimodal Neuromonitoring during Deep Hypothermic Circulatory Arrest with and without Selective Cerebral Perfusion: Direct Brain Tissue Oxygen Tension Compared to RS02 Index.** Robert DiGeronimo, Jorge Salazar, Ryan Coleman, Megan Steigelman, Jeff McNeil, Haven Young, Robert Buchanan, Stephen Griffith. *Publication 5330.1*
- 2* Tyrosine Phosphorylation of Apoptotic Proteins during Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets.** Manjula Mudduluru, Alan B. Zubrow, Eddie Chang, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 5330.2*
- 3 Exogenous Metallothionein II Reduces Thalamic Neuronal Death after Cortical Injury in the Immature Brain.** Ying Cheng, Emily Potter, Brandon Knight, Yetrib Hathout, Melissa Motta, JoAnne Natale. *Publication 5330.3*
- 4 Src Kinase Activation Mechanism during Hypoxia in the Cerebral Cortex of Newborn Piglets.** Om P. Mishra, Alan B. Zubrow, Qazi M. Ashraf, Ming-Chou Chiang, Maria Delivoria-Papadopoulos. *Publication 5330.4*
- 5 TAT-BIR123xt Inhibits Apoptosis and Improves Histological Outcome in a Murine Model of Global Cerebral Ischemia.** Rachel E. Shaye, Julia A. Lockwood, Ryan P. Salewski, Dermot Doherty, James S. Hutchison. (Sponsored by Anne-Marie Guerguerian) *Publication 5330.5*
- 6* Effect of Post-Hypoxic Administration of leu-glu-his-asp-fluoromethylketone (LEHD-fmk) on DNA Fragmentation in the Cerebral Cortex of Newborn Piglets.** Purvi Jethva, Ming-Chou Chiang, Joanna Kubin, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 5330.6*
- 7* Mechanism of Hypoxia-Induced Increased Caspase-3 Activity in the Cerebral Cortex of Newborn Piglets.** Ming-Chou Chiang, Qazi M. Ashraf, Joanna A. Kubin, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 5330.7*
- 8* Mechanism of Post Translational Modification (Serine Phosphorylation) of the Apoptotic Proteins during Hypoxia in the Cytosolic Fraction of the Cerebral Cortex of Newborn Piglets.** Shivani Desai, Ali McGregor, Monique Dalvi, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 5330.8*
- 9 Kainic Acid Induced Seizures and Hippocampal Injury of the Developing Rat in Chronic Hypoxia.** Lakshmi Raman, Niroopshankar Ammbashankar, Raghavendra Rao. *Publication 5330.9*
- 10* Correlation of Cerebral Near-Infrared Spectroscopy (cNIRS) with Serological Markers of Neurological Injury in Critically-III Children.** Anjali Subbaswamy, Angela A. Hsu, Michael J. Bell. *Publication 5330.10*

10:15am–12:15pm

5335 Gastroenterology I

PAS Platform Session ~ TCC, Room 801B

Chairs: Wikrom Karnsakul and Maya D. Srivastava

- 10:15 Intestinal Extracellular Matrix Downregulation of Pro-Inflammatory Blood Monocytes Is Developmentally Regulated.** A. Maheshwari, L.E. Smythies, M. Rowe, N. Ambalavanan, P.D. Smith, R.K. Ohls. *Publication 5335.1*
- 10:30 Distinct Dendritic Cell (DC) Subpopulations Are Involved in the Uptake of Different Antigens from the Intestinal Lumen.** A. Maheshwari, P.D. Smith, L.E. Smythies. *Publication 5335.2*
- 10:45 * Mutations of Platelet-Activating Factor (PAF) Receptor Disrupt PAF-Induced Signaling Pathways.** Jing Lu, Michael S. Caplan, Dan Li, Tamas Jilling. *Publication 5335.3*

SPR Student Research Award Recipient

Ching-Feng Huang

- 11:00 * Sublingual Vaccination with Sonicated *Salmonella* Proteins and Mucosal Adjuvant CpG or Cholera Toxin Induces Mucosal and Systemic Immunity and Protects Against *Salmonella* Infection in Mice.** Ching-Feng Huang, Chih-Chien Wang, Tzee-Chung Wu, Ho-Jen Peng. *Publication 5335.4*

- 11:15 Fluid Flow Induces Mechanosensitive ATP Release and Calcium Signaling in Biliary Epithelial Cells.** Charles Kresge, Kangmee Woo, Andrew Feranchak. *Publication 5335.5*

- 11:30 Hepatic Progenitor Cell (Oval Cell) Proliferation and Mitochondrial Abnormalities Are Characteristic of the Hepatocellular Carcinoma and Liver Injury Associated with alpha-1-Antitrypsin Deficiency in Human Liver and Mouse Models.** Jeffrey Teckman, Elizabeth Brunt. (Sponsored by Robert Wilmott) *Publication 5335.6*

- 11:45 * Evaluation of Contractile and Inhibitory Tone of Lower Esophageal Sphincter (LES) in Human Neonates.** Eneysis M. Pena, Alankar Gupta, Sudarshan Jadcherla. *Publication 5335.7*
- 12:00 * Should pH/Multichannel Intraluminal Impedance Technology Be Used Instead of Routine pH Monitoring in Pediatric Patients?** Rana Ammoury, Sarah Worely, Lori Mahajan. (Sponsored by Rita Pappas) *Publication 5335.8*

10:15am–12:15pm

5340 Historical Perspectives

PAS Poster Symposium ~ TCC, Room 717AB

Viewing: 10:15am–10:45am

Discussion: 10:45am–12:15pm

Chairs: John V. Hartline and Tonse N.K. Raju

- 1 Impact of Medical Interventions on the Prevalence of Mental Retardation.** Jeffrey P. Brosco, Lee M. Sanders, Dowling Monica, Guez Gilly. *Publication 5340.1*
- 2* From Surface Forces to Surfactant Therapy: A Two Century Journey.** Gustavo Pelligra, John A. Smyth. (Sponsored by Philippe Chessex) *Publication 5340.2*
- 3 Avicenna (Ad 980-1037) and the Care of the Newborn Infant: From the Umbilical Cord Care to Breast Feeding.** Houchang D. Modanlou. *Publication 5340.3*
- 4 Imaging of the Neonatal Syphilis in the Pediatric Literature at the Beginning of the XXth Century: Opportunities for Teaching about an Ancient-Yet New Disease.** Luigi Cataldi. (Sponsored by Jacob V. Aranda) *Publication 5340.4*
- 5* History of the Plantar Reflex: Science and Art.** Melissa M. Chan. (Sponsored by Gary M. Chan) *Publication 5340.5*
- 6* Heinrich Finkelstein's Work with Children Who Failed To Thrive: Nutrition and Nurture at the Turn of the 20th Century.** Sabine Chlosta, Robert J. Karp. *Publication 5340.6*
- 7 "And They Shall Walk": Sister Elizabeth Kenny and Polio.** Sergio G. Golombek. *Publication 5340.7*
- 8 Robert A Good: An Experiment in Nature.** E. Richard Stiehm, Richard A. Gatti, Charlotte Cunningham-Rundles, Noorbibi K. Day-Good. *Publication 5340.8*
- 9 Augusta Dejerine-Klumpke - From Intern in Paris to Légion d'Honneur.** Jan M. Goplerud. *Publication 5340.9*
- 10 Leonardo Da Vinci, the Second Neonatologist?** Shetal I. Shah. (Sponsored by Janet Larson) *Publication 5340.10*

10:15am–12:30pm

5350 Neonatal Patient Oriented Research: Neurodevelopment and Outcomes

PAS Platform Session ~ TCC, Hall F

Chairs: Ronnie Guillet and Edmund F. La Gamma

- 10:15 Basal Total and Free Cortisol Measurements Are Unrelated to Blood Pressure (BP) in the First Postnatal Week in Neonates 28-32 Weeks Gestation.** Becky J. Ennis, Lonnie Roy, Charles R. Rosenfeld. *Publication 5350.1*
- 10:30 Are Cortisol Levels Predictive of Short Term Outcomes in Extremely Low Birth Weight (ELBW) Infants?** S.W. Aucott, K.L. Watterberg, M.L. Shaffer, P.K. Donohue. *Publication 5350.2*
- 10:45 * White Matter Injury Impairs Gaze Maturation in Premature Infants.** Hannah C. Glass, Steven P. Miller, David V. Glidden, Shinji Fujimoto, Camilla Ceppi-Cozzio, Daniel Vigneron, James Barkovich, Donna M. Ferriero. *Publication 5350.3*
- 11:00 Cumulative Index of Exposure to Hypocarbica and Hyperoxia as Risk Factors for Poor Neurodevelopmental Outcome in Low Birth Weight (LBW) Infants.** Seetha Shankaran, for the Neonatal Research Network. *Publication 5350.4*
- 11:15 Inflammatory Cytokines and Neurodevelopmental Outcomes in Extremely Low Birth Weight Infants.** Waldemar A. Carlo, Diana Schendel, Poul Thorsen. *Publication 5350.5*
- 11:30 * Head Growth, MRI & 2-Year Outcome in Preterm Infants.** J. Cheong, R. Hunt, P. Anderson, K. Howard, D. Thompson, H. Wang, T. Inder, L. Doyle. *Publication 5350.6*
- 11:45 The Transport Risk Index of Physiologic Stability-Version II (TRIPS-II) Is a Quick, Simple Neonatal Illness Severity Score That Overcomes Problems of SNAP-II.** Shoo K. Lee, Khalid Aziz, Michael Dunn, Maxine Clarke, Lajos Kovacs, Cecil Ojah, Canadian Neonatal Network. *Publication 5350.7*
- 12:00 * Predicting the Unpredictable: How Well Do Apgars or SNAP-II Scores at 12 Hours Predict Outcomes for Infants at the Border of Viability?** Bree Andrews, Joanne Lagatta, Leslie Caldarelli, Madhu Subramanian, Sam Wong, Michael Schreiber, William Meadow. *Publication 5350.8*
- 12:15 (Moved from 6430, Sunday) Cognitive School Outcomes of Infants Born at 32 to 36 Weeks Gestation.** Lisa J. Chyi, Henry C. Lee, Trenna L. Sutcliffe, Jeffrey B. Gould. *Publication 6430.8*

11:30am–12:30pm

5437A Best of SIOP (International Society of Paediatric Oncology)

ASPHO Platform Session ~ TCC, Room 716A

Chair: John Maris, Children's Hospital of Philadelphia, Philadelphia, PA

G-CSF Promotes Tumor Growth in Ewing's Sarcoma

Jaime Antonio Morales-Arias, University of Texas, MD Anderson Cancer Center, Houston, TX

Peritoneal Fluid Cytology in Children with Wilms' Tumour After Neoadjuvant Chemotherapy

Larry Hadley, Nelson Mandela School of Medicine, University of Kwazulu Natal, Durban, South Africa

Running the Multi-centric Nephroblastoma Franco-African Study (GFAOP)— The Reality!

B. Mallon, GFAOP, Villejuif, France

Surgery and Restricted Use of Chemotherapy as Treatment of Low-Risk Neuroblastoma: Preliminary Results of Children's Oncology Group Protocol 9641

Wendy London, Children's Oncology Group (COG), University of Florida, Gainesville, FL

12:00pm–1:00pm

5440A ASPN CPC Fellows Luncheon, Battle of the Brains

TCC, Room 715A

Objectives:

- Evaluate pediatric renal pathology specimens
- Understand treatment controversies and research opportunities in a variety of renal diseases
- Participate in networking amongst pediatric nephrologists

Chairs: Victoria Norwood, University of Virginia Children's Hospital, Charlottesville, VA; and Patrick Walker, Nephropathology Associates, Little Rock, AR

Interactive clinical renal pathology conference for fellows and selected pediatric nephrology and pathology faculty in which cases will be presented for evaluation and spirited discussion. The objectives are to stimulate interactions between fellows and members of the society, encourage broad discussions of renal pathology, pathophysiology, and treatment conundrums, and stimulate the development of potential research questions. Space is limited.

12:00 Welcome and Introduction

Patrick D. Walker, Nephropathology Associates, Little Rock, AR

Victoria F. Norwood, University of Virginia Children's Hospital, Charlottesville, VA

12:00pm-1:30pm

5442 Getting In On the Ground Floor. Selecting and Advancing Pediatric Leadership in the Clinical Translational Science Award (CTSA) Program

PAS Special Symposium ~ Room 206D

Target Audience: Mid-career and Senior faculty.

Objectives:

- Develop a plan for participation of Departments of Pediatrics in institutional CTSA's
- Select leaders to play key roles in the development of institutional CTSA's
- Choose institutional leaders who will play prominent roles in the national consortium
- Recognize opportunities to enhance faculty career development

Leader: Duane Alexander. Co-leader: Susan B. Shurin

In October, 2006, the NIH launched a national consortium designed to transform the conduct of clinical and translational research across the country. Funded through Clinical Translational Science Awards (CTSA's), the program encompasses training, community-based research, biomedical informatics, and provides infrastructure which has the potential to greatly enhance translational research. Pediatrics is specifically targeted as an area of interest in the CTSA's. This session will address the implications for Departments of Pediatrics, and will highlight important points for institutional leaders to consider to position pediatrics as a major contributor to these programs at the local institution, and in the national consortium.

12:00pm–3:00pm

5445 Constructing a Research Database and Basic Data Analysis

PAS Workshop ~ TCC, Room 711

Target Audience: Trainees, fellows, and junior faculty.

Objectives:

- Learn to organize research data electronically
- Review common biostatistical terms and tests
- Apply appropriate biostatistical tests to a data set

Leader: Michelle Stevenson; Co-leader: Elizabeth Piatt

Researchers in training encounter the challenge of creating a working data set and performing basic statistical tests. Designed to meet a key element of the core curriculum for pediatric subspecialty fellows, attendees will gain practical skills through this introduction to applied biostatistics.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

12:00pm–3:00pm

5447 Cultural Competence in Pediatrics: Adapting to Societal Changes

PAS Workshop ~ TCC, Room 712

Target Audience: Student, residents, faculty interested in cultural issues and cultural competency.

Objectives:

- Recognize personal knowledge, skills, and attitudes regarding cultural competence
- Examine programmatic and individual models for addressing cultural issues in pediatrics
- Analyze and critique pediatric cultural mishaps and encounters

Leader: Lisa M. Vaughn; Co-leaders: Kadriye Lewis, Raymond C. Baker

The increasing diversity of families and providers increases the likelihood of cultural mishaps during healthcare encounters. This workshop will address the issue of cultural competency in pediatrics through analyzing cultural mishaps, self-assessment, and group exercises. Information will be shared about the difference in cultural competency and diversity training, individual provider models, and programmatic alternatives for addressing cultural competency.

12:00pm–3:00pm

5449 Developmental Screening in Primary Care: Secrets from Practices that Made it Work

PAS Workshop ~ TCC, Room 205C

Target Audience: Residents and faculty doing primary care and teaching.

Objectives:

- Improve skills to implement and effectively use standardized, validated developmental screening in their primary care settings
- Improve skills for developing links between developmental needs and community resources

Leader: Joanne Cox; Co-leaders: Alison Schonwald, Robin Adair, Paula Duncan

Early identification of child developmental problems can improve outcomes for children with developmental delays. This workshop aims to improve participants' ability to implement and effectively use standardized, validated developmental screening in their primary care settings. Presenters will discuss screening tools, utilization and interpretation with tips for practice dissemination and web based resources. Techniques for teaching developmental screening to residents will be emphasized. Facilitated interactive small groups will allow participants to share experiences and proceed to develop implementation plans for their own practices. Written materials and implementation tools will be distributed to all participants

12:00pm–3:00pm

5451 Dollars and Sense: How to Understand (or Undertake) Cost-Effectiveness Analysis in Pediatrics

PAS Workshop ~ TCC, Room 205D

Target Audience: Individuals interested in assessing the validity of published economic information, suitable for participants at all levels.

Objectives:

- Gain an understanding of the fundamental concepts of economic evaluation
- Acquire the skills to critically appraise published cost-effectiveness studies

Leader: John A. Zupancic; Co-leaders: Scott A. Lorch, Jochen Profit, Karen L. Kamholz

The stunning medical progress of the past three decades has been accompanied by even more rapid growth in the costs of care. It is essential to understand the value for money of new technologies, so that limited resources yield the greatest possible improvements in child health. The tools of economic evaluation allow us to measure this value for money, and provide decision support to clinicians and policy makers. Participants in this workshop will gain an understanding of the components

of a valid economic evaluation and the critical appraisal skills to determine whether economic information is reliable.

12:00pm–3:00pm

5453 Getting Your Article Published: The Mysteries of Peer-Review and the Decision of Journals

PAS Workshop ~ TCC, Room 715B

Target Audience: Fellows and junior faculty.

Objectives:

- To understand the peer-review process
- To improve author response to the comments of reviewers
- To enhance the skills of participants in peer-review

Leader: Howard Bauchner

Understanding the peer-review process is important for investigators. This workshop will review the peer-review process and help investigators prepare manuscripts for publication, respond to the comments of reviewers, and conduct peer-review.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

12:00pm–3:00pm

5455 Pediatric Research Ethics Consultation: Would this Research be Approved at YOUR Institution?

PAS Workshop ~ TCC, Room 206C

Target Audience: Researchers of all levels of expertise who pursue clinical and translational research with human subjects.

Objectives:

- Apply the federal regulations to pediatric research
- Learn to recognize controversies regarding pediatric research ethics
- Learn to discuss several controversial research studies that achieved media attention

Leader: Lainie Ross; Co-leaders: Robert M Nelson, Doug Diekema

Subpart D of the federal regulation includes additional protections for pediatric research subjects. We present several controversial cases in which the regulations alone do not resolve many of the ethical issues. The panelists and audience will work as an IRB to determine if the research is ethical, and then whether it is approvable locally or requires national "407" review. The controversies include what role a child's assent should play; and whether the inclusion of healthy controls should change how the research is reviewed.

12:00pm–3:00pm

5456 Providing a Successful Medical Home for Autistic Spectrum Disorders: Balancing the Needs with the Resources

PAS Workshop ~ TCC, Room 206E

Target Audience: Student, resident, fellow, junior faculty, mid level or senior faculty interested in providing care to this vulnerable population.

Objectives:

- Acquire knowledge about identifying and performing an initial diagnostic workup of children with autistic spectrum disorders
- Acquire skills at eliciting parental use of complementary and alternative treatments for children with autistic spectrum disorders
- Acquire skills in recognizing which educational modalities will work best for children with autistic spectrum disorders

Leader: John Harrington; Co-leaders: Lawrence Rosen and Mark Bertin

This workshop will utilize case-based and roundtable discussion concerning the many aspects of providing a medical home for a child with autistic spectrum disorder (ASD). The presenters will concentrate on several domains: identification, genetic and medical evaluation, educational and behavioral strategies, co-morbid disorders, and complementary and alternative therapies. The presenters will provide strategies that the participant can use in practice to help foster collaboration and a more successful medical home for children with ASD and their families.

12:00pm–3:00pm

5457 The Future is Now: Involving Residents in Quality Improvement

PAS Workshop ~ TCC, Room 809

Target Audience: Students, residents and faculty interested in systems improvement and delivery of quality care in a teaching hospital setting.

Objectives:

- Learn how to implement the SBAR evaluation tool into a multidisciplinary team discussion of systems issues affecting delivery of quality care
- Learn how to engage a multidisciplinary team including residents in a collaborative effort to improve delivery of quality care
- Learn how to break down barriers between administration and housestaff

Leader: Abe Jacob; Co-leaders: Jeff Dvergsten, John Andrews, Ben Phillips

This workshop will focus on how the collaboration of a multidisciplinary team, with an emphasis on resident participation, can impact quality of patient care by evaluating systems based issues identified as barriers to delivery of optimal care. We will introduce and demonstrate the use of the SBAR evaluation tool (Situation, Background, Assessment, and Recommendations) to evaluate and resolve a systems issue drawing on our experiences derived from our systems based morning report. Small groups will then practice using this tool in a case based scenario.

12:00pm–3:00pm

5459 The Nuts and Bolts of Creating an Online Curriculum

PAS Workshop ~ TCC, Room 704

Target Audience: Junior, mid-level and senior faculty.

Objectives:

- Discuss the instructional design principles that underlie the creation of effective online curriculum
- Review the capabilities and limitations of course management systems (Blackboard, WebCT, etc)
- Work together in small groups create an outline for a future online curriculum

Leader: Brad Olson; Co-leaders: Tiffany Koszalka, Michael Touhey

In light of increasing time pressures training programs are exploring alternative educational approaches to meet the needs of their trainees. In this interactive workshop participants will explore the capabilities and limitations of online course management systems (Blackboard, WebCT, etc), discuss the design and development of online curriculum and outline their own version of an online curriculum. The 3-member team of this workshop with backgrounds in information technology, education and instructional design, collaborated in an effort to create an online curriculum consisting of 100 lectures provided by 50 lecturers. Participants will receive a CD-ROM of the workshop to aid in their future development of an online curriculum.

12:00pm–3:00pm

5461 The Objective Structured EBM Exam (OSEE): An Assessment System for Real-Time Patient Care

PAS Workshop ~ TCC, Room 810

Target Audience: Medical students, residents, faculty, and especially fellows with some EBM familiarity.

Objectives:

- Describe the three components of effective use of evidence-based medicine
- Recognize opportunities for assessing EBM skills in advanced trainees
- Develop your own OSEE to help learners understand use of EBM outside the classroom

Leader: Bud Wiedermann; Co-leaders: Robin Doroshov, Mary Ottolini

This workshop will consist of a brief discussion of goals of EBM training, followed by attendees' active participation in a multi-station Objective Structured EBM Exam (OSEE). Stations focus on performing rapid assessments of journal article sessions and on incorporating personal experience and patient preferences into presenting choices to consumers. Attendees should have familiarity with basic principles of EBM. Examples from ABP and ABPN fellowships will be available.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

12:00pm–3:00pm

5463 Transgender Youth: The Role of the Pediatrician and Pediatric Endocrinologist

PAS Workshop ~ TCC, Room 706

Target Audience: Students, residents, pediatric endocrinology fellows, pediatric endocrinology faculty, general pediatricians, adolescent medicine specialists interested in understanding how to care for transgendered youth.

Objectives:

- Learn how healthy psychosocial development in children and adolescents melds with transgender emergence
- Understand how physicians, mental health therapists, families, and schools can cooperate to provide for the needs of transgendered youth
- Learn the options for hormonal therapy and the varying recommendations for age of initiation of hormonal therapy

Leader: Irene Sills; Co-leaders: Norman Spack, Arlene Lev

This workshop is a continuation of last year's workshop on gender-variant youth. We will review gender identity development and healthy transgender emergence. Skills and knowledge needed by primary care doctors will be reviewed. More in-depth education about the following will be provided: 1) Developmental issues specific to the adolescent; 2) The type of mental health evaluation physicians should receive prior to initiating hormonal therapy and the importance of consultation between the mental health therapist and physician; 3) The family and school dilemmas; 4) A review of reversible, partially reversible, and irreversible therapies and their potential side effects; 5) A consideration of the best age to commence hormone therapy; 6) The optimal informed consent to use for medical treatment; 7) Case discussions, role playing, and viewing of videotapes will aid with learning and understanding.

12:00pm–3:00pm

5467 Faculty Development

APA Special Interest Group ~ TCC, Room 205A (new room)

Chairs: Lyuba Konopasek, lyk2003@med.cornell.edu; and Virginia Niebuhr, vniebuhr@utmb.edu

The Faculty Development SIG is a group of educators committed to learning more about faculty development and helping each other succeed in this field. Attendance is open to anyone who is or wants to be a faculty developer.

12:00 Business meeting

1:00-3:00 Workshop

The Who, How and Why of Effective and Exciting Faculty Development

Bob Hilliard, Lyuba Konopasek, Joe Loprieto, and Ginny Niebuhr will lead participants through a set of challenging cases to consider who leads faculty development, what are effective formats, and what are the measurable outcomes to show why it's worth the effort.

12:00pm–3:00pm

5471 International Health

APA Special Interest Group ~ TCC, Room 206B

Chairs: Yvonne E. Vaucher, yvaucher@ucsd.edu; and Cindy Howard, drcindy@umn.edu

The International Health SIG is pleased to host Dr. Michael Wessels, Professor of Psychology at Columbia University. Dr. Wessels' research on children and armed conflict examines child soldiers, psychosocial assistance in emergencies, and post-conflict reconstruction for peace. In countries throughout the world he helps to develop community-based, culturally grounded programs that assist children, families, communities affected by armed conflict. He is the author of *Child soldiers: From violence to protection* (Harvard University Press, 2006). Dr. Wessels will speak on "Child soldiers and reintegration: Implications for health and social reconstruction for peace."

12:00pm–3:00pm

5473 School and Community Health

APA Special Interest Group ~ TCC, Room 808

Chairs: Rani S. Gereige, gereiger@allkids.org; and Sarah E. Hampl, shampl@cmh.edu

The 2007 School and Community Health SIG meeting will focus on the pediatrician's role in emergency preparedness. Linda Grant, MD, Boston Public Schools and the AAP Council on School Health, will inform attendees about how pediatricians can work with their area schools to develop action plans, while Sarita Chung, MD from the Center for Biopreparedness at Children's Hospital Boston will discuss pediatric office preparedness. Interactive discussion and sharing of ideas, challenges and best practices will also be included.

1:00pm–3:00pm

5510A ASPHO Presidential Symposium: Infant Leukemia

TCC, Room 718B

Objectives:

- Discuss the most recent outcomes of infant AML and ALL
- Describe recent epidemiology studies and their outcome
- Compare the molecular genetic footprint of infant ALL and AML
- Discuss the implications of new murine Mll-AF4 knock-in model data

Chairs: William G. Woods, Aflac Cancer Center and Blood Disorders Service, Atlanta, GA; and Joanne M. Hilden, Children's Hospital at the Cleveland Clinic Foundation, Cleveland, OH

Molecular genetics, epidemiology, and treatment paradigms are inter-related, with new developments. Basic scientists are generating preclinical data that will challenge us to develop biologically rational therapy. The molecular biology, epidemiology, treatment outcomes and new basic science findings of infant ALL and AML will be presented and debated. Does the 11q23 fusion partner matter? Does the stem cell origin of infant leukemia demand a new treatment paradigm? The current state of knowledge will be summarized, with time for discussion.

1:00 Epidemiology of Infant Leukemia

Julie A. Ross, University of Minnesota Cancer Center, Minneapolis, MN

1:15 Treatment Outcome in Infant ALL

Joanne M. Hilden, Children's Hospital at the Cleveland Clinic Foundation, Cleveland, OH

1:25 Treatment Outcome in Infant AML

Beverly J. Lange, Children's Hospital of Philadelphia, Philadelphia, PA

1:35 Molecular Footprint of Infant Leukemia

James R. Downing, St. Jude Children's Research Hospital, Memphis, TN

2:00 MLL-AF4, MLL-AF9 and Stem Cells in Murine Knock-in Models of Infant Leukemia

John Kersey, University of Minnesota Cancer Center, Minneapolis, MN

2:25 Discussion and Debate

1:00pm–3:00pm

5515 Evolving Insights into the Immune Responses of Neonates and Premature Infants

PAS/PIDS State of the Art Plenary ~ TCC, Hall F

Target Audience: Pediatric infectious diseases specialists, neonatologists, general pediatricians, primary care physicians and hematologists.

Objectives:

- Understand the differences in the neonatal and full-term immune system
- Be aware of cutting-edge developments in understanding the biology of toll receptors, B-cell, T-cell, and vaccine responses in infants
- Understand issues related to altered vaccine responsiveness in premature infants
- Be familiar with novel therapeutic and translational applications coming from improved understanding of neonatal immunity

Chairs: Hayley Gans, Stanford University, Stanford, CA; and Mark Schleiss, University of Minnesota Medical School, Minneapolis, MN

In the United States today, one in eight babies are born prematurely. Understanding neonatal immune responses is of great relevance to neonatologists and pediatricians and is a key element of the acute care of ill infants, and long-term care including vaccine practice. This state-of-the art symposium will review elements of the premature neonatal immune responses that impact increased susceptibility to infections, diminished response to vaccines and elements which make the premature infant a uniquely high-risk population. Translationally relevant impact on vaccine practice and novel immunotherapies will be discussed.

1:00 Ontogeny of the Neonatal T-cell Response

David B. Lewis, Stanford University Medical Center, Stanford, CA

1:30 Decreased Expression of Tumor Necrosis Factor Family Receptors Involved in Humoral Immune Responses and B- and T-cell interaction in Term and Preterm Neonates

John R. Schreiber, University of Minnesota Medical School and University of Minnesota Children's Hospital/Fairview, Minneapolis, MN

2:00 Distinct Innate Immunity of Premature and Full-term Newborns: Basic Mechanisms and Translational Opportunities

Ofer Levy, Children's Hospital of Boston, Boston, MA

2:30 Ontogeny of the Immune Response to Vaccines Through Infancy

Hayley Gans, Stanford University Medical Center, Stanford, CA

Sponsored jointly by the Pediatric Infectious Diseases Society and the Pediatric Academic Societies

1:00pm–3:00pm

5520 New Insights into Control of Breathing and Sleep-related Disorders

PAS Topic Symposium ~ TCC, Room 718A

Target Audience: Pulmonary, neonatology and general pediatrics.

Objectives:

- Understand basic physiologic mechanisms underlying the regulation of breathing
- Evaluate the effects of sleep-disordered breathing on behavior in children
- Understand the genotype-phenotype interactions in the pathobiology of congenital central hypoventilation syndrome
- Understand the basic physiology of neonatal apnea and its treatment

Chair: Vic Chernick, University of Manitoba, Winnipeg, Manitoba, Canada

Sleep, the effects of disrupted sleep and control of breathing have been under intensive study, leading to many new insights into the basic biology of sleep-disordered breathing and its clinical impact. This symposium will bring together a group of leading investigators and clinicians to discuss these mechanisms and clinical aspects of sleep or control of breathing issues.

1:00 Maturation Mechanisms in the Control of Breathing

John L. Carroll, University of Arkansas for Medical Sciences, Little Rock, AR

1:30 Abnormal Sleep and Behavior in Children

Judith A. Owens, Brown University Medical School, Providence, RI

2:00 Congenital Central Hypoventilation Syndrome: Model for Translational and Transitional Medicine

Debra E. Weese-Mayer, Rush Medical School, Chicago, IL

2:30 Neonatal Apnea—What's New?

Richard J. Martin, Rainbow Babies & Children's Hospital, Cleveland, OH

1:00pm–3:00pm

5525 Disaster Preparedness: A Paradigm for Survival of Health Care Systems

PAS Mini Course ~ TCC, Room 705

Target Audience: General and specialty pediatricians.

Objectives:

- Understand the consequences of mass disasters from a genetic disease perspective
- Know how to seek aid at local, state and federal levels

Chairs: Ken A. Pass, Disaster Preparedness Workforce, NYS Department of Health, Wadsworth Center, Albany, NY; and Jess G. Thoene, Disaster Preparedness Workforce, University of Michigan, Ann Arbor, MI

The session will review the problems in maintaining a health care network in the face of a disaster and propose solutions. A disaster preparedness paradigm, which includes the network of healthcare resources, patients and support services will be presented. The attendees should come away with a clear plan of action to proactively prepare their center to survive a disaster and maintain clinical care for specialty and primary care patients.

1:00 Introduction

Ken A. Pass, Disaster Preparedness Workforce, NYS Department of Health, Wadsworth Center, Albany, NY;
Jess G. Thoene, American College of Medical Genetics, National Coordinating Committee, Disaster Preparedness Workforce, Washington, DC

1:15 The Disaster Preparedness Workgroup: Efforts to Create a Standard Disaster Preparedness Protocol For Clinical Groups

Ken A. Pass, Disaster Preparedness Workforce, National Newborn Screening and Genetics Resource Center, Albany, NY

1:25 The Disaster That Was Katrina: How Medical Care Groups Survived The Storm's Aftermath

Jess G. Thoene, American College of Medical Genetics, National Coordinating Committee, Disaster Preparedness Workforce, Washington, DC

1:35 NDMS and the National Response Plan

David B. Canton, National Disaster Medical System, Department of Homeland Security, Washington, DC

2:15 Emergency Health Communication Challenges During Disasters: Resources from the Centers for Disease Control and Prevention

Marsha L. Vanderford, Centers for Disease Control and Prevention, Atlanta, GA

1:00pm–3:00pm

5540 The Early Programming of Adult Disease

PAS/LWPES/NASPGHAN Mini Course ~ TCC, Room 716B

Target Audience: Neonatologists, endocrinologists, gastroenterologists and general pediatricians.

Objectives:

- Understand new mechanisms of trans-generational transmission of disease
- Understand the impact of growth patterns in early life on adult disease
- Understand possible mechanisms for prevention of chronic illness by targeting early window in development
- Understand how epidemiology can be used as a tool to identify predictors of adult disease

Chairs: Edward R.B. McCabe, Mattell Children's Hospital at UCLA, Los Angeles, CA; and Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

During recent years it has become commonly accepted that variation in intrauterine growth has a substantial effect on the risk of common adult disorders, such as coronary heart disease, stroke and type 2 diabetes. Moreover, recent observations from epidemiological and animal studies suggest that postnatal growth, in particular during infancy, may have an equally important role in modifying the frames of adult health. In addition, epigenetics is the study of heritable changes in gene function that occur without a change in the DNA sequence and encompasses processes that cannot be accounted for by the simple genetic code. This relatively new concept has changed our understanding of transgenerational transmission of disease because it does not involve changes in the DNA structure. This is important for pediatricians because, as compared with the fetal period, infancy is much more accessible to possible interventions. This symposium provides an update on recent findings from epidemiological and animal studies, aiming at answering the questions if, when, and how we could plan interventions in childhood to prevent adult disease.

1:00 Introduction

Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

1:05 Early Growth and Epigenetic Processes in Risk of Adult Disease

Mark Hanson, University of Southampton, Southampton, UK

1:35 Childhood Growth and Adult Disease—Lessons from Birth Cohort Studies

Eero Kajantie, Hospital for Children and Adolescents, National Public Institute, Helsinki, Finland

2:05 Nutritional Epigenomics of Metabolic Syndrome—New Perspective Against the Epidemic

Claudine Junien, Institut National de la Santé et de la Recherche Médicale UR 781 Hôpital Necker-Enfants Malades, Paris, France

2:35 Discussion

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; and the Pediatric Academic Societies

Supported by an unrestricted educational grant from the International Pediatric Research Foundation

1:00pm–3:00pm

5545 Adolescent Medicine I

PAS Poster Symposium ~ TCC, Room 717AB

Viewing: 1:00pm–1:30pm

Discussion: 1:30pm–3:00pm

Chairs: David W. Kaplan and Sara B. Kinsman

- 1 **Correlates of High Body Satisfaction in Young Teen Black and White Boys and Girls.** Eliana M. Perrin, K. Kenneavy, K. Ladin L'Engle, C.M. Bulik, P. Gordon-Larsen, J.D. Brown. *Publication 5545.1*
- 2 **Improving Access to Behavioral Health Care in an Inner City Teen Clinic.** Alexis S. Lieberman, Michael DeStefano. *Publication 5545.2*
- 3* **Sensory Processing of Adolescents Prenatally Exposed to Alcohol.** Brenda C. Stade, Sarah E. Buller, Mary Duarte, William Watson, Tony Barozzino, Kathryn Buller, Douglas Campbell, John Langley, Kirsten Mcfadyen, Michael Sgro, Ethel Ying, Michael Falk. (Sponsored by Gideon Koren)*Publication 5545.3*
- 4 **Prevention of Subsequent Births to Teens with a School-Based Intervention.** Janice Key, Linda Marsh, Mulugeta Gebregziabher, Kathleen O'Rourke. *Publication 5545.4*
- 5 **Predictors of Adolescent Participation in STI Research.** Jennifer L. Reed, Jill S. Huppert. (Sponsored by Lorah Dorn) *Publication 5545.5*
- 6 **Preventive Care for Adolescents during Urgent Care: The Chlamydial Screening Example.** Kathleen P. Tebb, Charles J. Wibbelsman, John M. Neuhaus, Mary-Ann B. Shafer. *Publication 5545.6*
- 7 **Evaluating Youth and Parental Contribution to Violence Risk Screening.** Eric J. Sigel, Ana Hoffenberg, Jan Hart, Miriam Dickinson, Jean Kutner. *Publication 5545.7*
- 8 **The Impact of Psychoeducational Parenting Groups on Adolescent Parenting Skills, Self-Esteem, Depression and Social Support.** Joanne E. Cox, Natalie Pierre Joseph, Matthew Buman, Jennifer Valenzuela, Anna M. Mitchell, Anuradha Vyavaharkar, Amy Federico, Elizabeth R. Woods. *Publication 5545.8*
- 9 **Theory-Based Development of a Health Care Transition Readiness Assessment Instrument.** William Livingood, David Wood, Edessa Jobli, Deborah Ducett. *Publication 5545.9*
- 10 **To Tan or Not To Tan: What Determines Future Teen Indoor Tanning.** Ardis L. Olson, Pamela Lee, Cecelia Gaffney. *Publication 5545.10*
- 11 **Teen Use of a Patient Portal: A Qualitative Study of Parent, Teen and Provider Attitudes.** David Bergman, Nancy Brown, Sandra Wilson. *Publication 5545.11*
- 12 **Explaining Sexual Initiation in Urban Adolescents: Testing a More Comprehensive Model.** Dana L. Watnick, Laurie J. Bauman, Ellen J. Silver. *Publication 5545.12*

1:00pm–3:00pm

5550 Clinical and Experimental Hypertension / Nephrology I

PAS/ASP/PHA Platform Session ~ TCC, Room 713AB

Chairs: Stephen R. Daniels and Joseph T. Flynn

- 1:00 **Brachial Artery Dilatation in Children with HTN.** Karen McNiece, Monesha Gupta, Cynthia Bell, Kathleen Garcia, David Martin, Ronald Portman. *Publication 5550.1*
 - 1:15 * **Decreased Aerobic Capacity, Left Ventricular Diastolic Dysfunction, and Inflammation in Pediatric Patients with Chronic Kidney Disease (CKD).** D. Weaver, T. Knilans, W. Mays, S. Witt, B. Glascock, J. Kartal, T. Kimball, M. Mitsnefes. *Publication 5550.2*
 - 1:30 **Renal Hyperfiltration and Increased Sympathetic Drive Contribute to Murine Perinatal Growth Restriction-Induced Hypertension.** Robert D. Roghair, Benjamin E. Reinking, Jeffrey L. Segar, Thomas D. Scholz. *Publication 5550.3*
 - 1:45 * **A Critical Role of the Vascular Endothelium in the Development of Glucocorticoid-Mediated Hypertension.** Julie E. Goodwin, Junhui Zhang, David S. Geller. (Sponsored by Sandra Iragorri) *Publication 5550.4*
 - 2:00 **The Bradykinin 2 Receptor Genotype: A Risk Factor for Early Onset Cardiovascular Disease.** Juan C. Osorio, Faisal H. Cheema, Timothy P. Martens, Ana M. Duque, Catherine S. Forster, William Bonney, Sushma Reddy, James K. Liao, Seema Mital. *Publication 5550.5*
 - 2:15 * **Underdetection of Hypertension in Children.** Matthew L. Hansen, Paul W. Gunn, David C. Kaelber. *Publication 5550.6*
- ASP/PHA Trainee Award in Clinical Research Recipient
Tammy M. Brady
- 2:30 * **Prevalence and Predictors of Unrecognized High Blood Pressure (BP) in Children.** Tammy M. Brady, George K. Siberry, Alicia M. Neu, Jessica Levy, Barry Solomon, Rulan S. Parekh. *Publication 5550.7*

- 2:45 *** **Prediction of Increased Left Ventricular Mass by Ambulatory Blood Pressure (ABP) in Youth at Risk for Hypertension (HTN).** Margaret C. Hastings, Phyllis A. Richey, Thomas G. DiSessa, Grant W. Somes, Bruce S. Alpert, Deborah P. Jones.
Publication 5550.8

1:00pm–3:00pm

5555 Clinical BPD - Markers, Mediators, & Measurements

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 1:00pm–1:30pm

Discussion: 1:30pm–3:00pm

Chairs: Richard D. Bland and Rita M. Ryan

- 1*** **Single Nucleotide Polymorphisms (SNPs) of Interleukin-8 (IL8) and BPD in ELBW Infants.** Joie Fisher, Esther Koai, Chauchau Pham, Nora Ali, Hima Maramreddy, Sonya Strassberg, Lance A. Parton. *Publication 5555.1*
- 2*** **Single Nucleotide Polymorphisms (SNPs) of Fas and Fas Ligand (FasL) and BPD in ELBW Infants.** Hima B. Maramreddy, Annie Yao, Nora Ali, Chau Pham, Joie Fisher, Sonya Strassberg, Lance A. Parton. *Publication 5555.2*
- 3** **Clinical Utility of Echocardiograms in the Evaluation of Pulmonary Hypertension in Infants with Chronic Lung Disease.** P.M. Mourani, M.K. Sontag, D.D. Ivy, S.H. Abman. *Publication 5555.3*
- 4*** **Hypercarbia May Be More Predictive Than Supplemental O₂ at 36 Weeks' PMA for Later Pulmonary Morbidity in Preterm Infants.** Sean L. Sweeney, Howard W. Kilbride. *Publication 5555.4*
- 5*** **Prediction of Bronchopulmonary Dysplasia (BPD) - Is Elevation of a Biological Marker Better Than Lung Function Measurement Results?** Caroline May, Sabina Patel, Caroline Kennedy, Gerrard Rafferty, Anne Greenough. *Publication 5555.5*
- 6** **Osteopontin: A New Prognostic Marker in Bronchopulmonary Dysplasia?** Piero G. Matassa, Mariarosa Colnaghi, Valentina Condo, Daniela Messina, Giovanni Vento, Ettore Capoluongo, Franco Ameglio, Fabio Mosca. *Publication 5555.6*
- 7*** **Excessive Soluble Vascular Endothelial Growth Factor Receptor Levels in Tracheal Aspirate Fluid (TAF) from Very Low Birth Weight (VLBW) Infants Developing BPD/CLD.** Jamal Hasan, Kay D. Beharry, Arwin M. Valencia, Arthur Strauss, Houchang D. Modanlou. *Publication 5555.7*
- 8** **Angiopoietin 2 Is Increased in Tracheal Aspirates from Premature Infants Developing Bronchopulmonary Dysplasia.** Zubair H. Aghai, Sosun Faqiri, Judy Saslow, Tarek Nakhla, Akanksha Kumar, Riva Eydelman, Louise Strande, Gary Stahl, Paola Leone, Vineet Bhandari. *Publication 5555.8*
- 9*** **Pepsin, a Marker of Gastric Content Is Increased in Tracheal Aspirates from Premature Infants Developing Bronchopulmonary Dysplasia.** Sabeena Farhath, Zubair Aghai, Judy Saslow, Tarek Nakhla, Jeanett Camacho, Sam Sounder, Zhaoping He, Dev Mehta. *Publication 5555.9*
- 10*** **Gastric Fluid Concentrations of Epithelial Cell-Derived Neutrophil-Activating Peptide-78 (ENA-78) and Clara Cell Secretory Protein (CCSP) at Birth: Association with Chorioamnionitis and with the Development of Bronchopulmonary Dysplasia (BPD) in Premature Infants.** Heike Stichel, Urpo Lappalainen, Ola Hafstrom, Kristina Bry. *Publication 5555.10*
- 11** **Are Ventilator-Associated Pneumonia and Gastroesophageal Reflux Risk Factors for Bronchopulmonary Dysplasia?** Rita M. Ryan, Mohamad T. El Abiad, Anne Marie Reynolds, Vasanth H. Kumar, Ralph J. Wynn, Satyan Lakshminrusimha. *Publication 5555.11*
- 12** **Pulmonary Lymphatic Development in Infants with Chronic Lung Disease.** Emily M. McNellis, Sherry Mabry, Ikechukwu I. Ekekezie. *Publication 5555.12*

1:00pm–3:00pm

5560 General Pediatrics (Infection / Injury Prevention)

PAS Platform Session ~ TCC, Room 106

Chairs: David Estroff and Ian M. Paul

- 1:00 *** **MRSA in Pediatrics; Bracing up for an Epidemic.** Helen Kest, Edward D. Ziga, Yasir Alqaqaa, Beverly Nieves, Albert Sanz. *Publication 5560.1*
- 1:15 *** **An Outbreak of Tuberculosis (TB) in a Private Daycare Center (DCC) in Jacksonville, Florida.** Lem Aigbivbalu, Ana Alvarez, Ayesha Mirza, Cynthia Benjamin, Annette Rogers, Mobeen Rathore. *Publication 5560.2*
- 1:30** **Care Coordination for Children with Tracheostomies.** Renee M. Turchi, David Tunkel, Eric Levey, Cynthia S. Minkovitz. *Publication 5560.3*
- 1:45** **Are Practice-Level Efforts To Enhance Access to Primary Care Associated with Fewer Emergency Department Visits?** Jeanne Van Cleave, Sowmya R. Rao, Timothy Ferris. *Publication 5560.4*
- 2:00** **The Yin/Yang of Breastfeeding: Raising Initiation among Cambodian Women in the US.** Anne Merewood, Sharon Galvin, Xena Grossman, Jana Chauduri, Lori Feldman-Winter. *Publication 5560.5*
- 2:15 *** **Examining the Immigrant Paradox in Children with Special Health Care Needs.** Joyce R. Javier, Lynne C. Huffman, Fernando S. Mendoza, Paul H. Wise. *Publication 5560.6*

- 2:30 Physicians & Caregivers: In Search of Accurate Information about Child Passenger Safety.** Suzanne N. Brixey, Clare Guse. *Publication 5560.7*
- 2:45 Improvement in Residents' Accuracy of Diagnosis of Otitis Media Following Participation in an Innovative, Web-Based Curriculum, Enhancing the Proficiency of Residents in Otitis Media (ePROM).** Phillip H. Kaleida, Dianna L. Ploof, Alejandro Hoberman, Nader Shaikh, Kathleen Colborn, Marcia Kurs-Lasky. *Publication 5560.8*

1:00pm–3:00pm

5565 Injury Prevention I

PAS Platform Session ~ TCC, Room 703

Chairs: Beth Ebel and Veronica L. Gunn

- 1:00 Swimming Ability, Swimming Lessons and the Risk of Childhood Drowning.** Ruth Brenner, Gitanjali Taneja, Denise Haynie, Ann Trumble, Cong Qian, Ron Klinger, Mark Klebanoff. *Publication 5565.1*
- 1:15 Trends in Pediatric and Adult Bicycling Deaths before and after Passage of a Bicycle Helmet Law.** David E. Wesson, Derek Stephens, Daria Parsons, Laura Spence, Patricia C. Parkin. *Publication 5565.2*
- 1:30 Impact of Socioeconomic Inequalities on Childhood Injury Mechanism.** Eric Fleegler, Peter Forbes, Lois Lee, Karen Olson, David P. Mooney. *Publication 5565.3*
- 1:45 Impact of a Rural Community-Based ATV Safety Campaign.** M.E. Aitken, H.M. Mullins, J. Nixon, D.M. Parnell, R.M. Dick, J. Graham. *Publication 5565.4*
- 2:00 Promoting Booster Seat Use in Multi-Ethnic Urban Low-Income Neighborhoods.** Brian D. Johnston, Denise Gonzalez-Walker, Elizabeth E. Bennett, Scott A. Shipman, Beth E. Ebel. *Publication 5565.5*
- 2:15 Short Term Predictors of Long Term Effects in Reducing Youth Dangerous Driving.** Lynne M. Palmisciano, Janette Baird, Ted D. Nirenberg, Michael J. Mello. *Publication 5565.6*
- 2:30 Infant Carrier Related Falls: An Unrecognized Danger.** Richard A. Greenberg, Jeff E. Schunk, Robert G. Bolte. *Publication 5565.7*
- 2:45 Influence of LATCH Availability on Rear Row Seating Patterns and Risk of Injury to Children.** Michael J. Kallan, Dennis R. Durbin, Kristy B. Arbogast. *Publication 5565.8*

1:00pm–3:00pm

5570 Late Breaker Abstract Session II: General Pediatrics

PAS Platform Session ~ TCC, Room 716A

Chairs: Steven M. Selbst and Paul C. Young

The "Late-Breaker" sessions will include reports on clinical trials and other important and significant pediatric research, which might not have been ready for reporting at the time of the winter abstract deadline. There are two sessions during the meeting. Session I is Saturday morning from 8:00am–10:00am. The sessions will include presentations in the areas of neonatology, basic science and clinical research in several clinical areas. Please be sure to review the content so you don't miss these very special sessions!

The abstracts selected for this session were not available at press time, but are included as a separate piece with this program, onsite from the PAS Information Desk at the Toronto Convention Center (Level 600), and are also posted on the PAS website after April 1st at www.pas-meeting.org.

1:00pm–3:00pm

5575 Neurology

PAS Platform Session ~ TCC, Room 801A

Chairs: Rebecca Ichord and Yvonne W. Wu

- 1:00 Is "PANDAS" Related to Group A Streptococcal Infections? A 25 Month Intensive Prospective Blinded Cohort Study of Streptococcal Infections and Exacerbations of Tics and OCS.** Edward L. Kaplan, Dwight R. Johnson, Michael P. McDermott, Roger Kurlan, the Tourette's Syndrome Study Group. *Publication 5575.1*
- 1:15 * Epilepsy: Getting to the Heart of the Matter.** Shira J. Gertz, Sarah E. Willis, L. Forbes Barnwell, Joaquin N. Lugo, Anne E. Anderson. (Sponsored by Mary Michelle Mariscalco) *Publication 5575.2*
- 1:30 Age at Stroke and Involvement of Cortex Modulate Cognitive Outcome in Children with Basal Ganglia Infarcts.** Robyn Westmacott, Vanessa Barry, Daune MacGregor, Gabrielle deVeber. *Publication 5575.3*
- 1:45 Neonatal Stroke in the Canadian Pediatric Ischemic Stroke Registry.** Gabrielle deVeber, Adam Kirton, Canadian Pediatric Ischemic Stroke Registry. *Publication 5575.4*
- 2:00 * Accuracy of Bedside EEG Monitoring for Seizure Detection in Term Infants as Compared with Continuous Conventional EEG.** Divyen K. Shah, Mark Mackay, Shelly Lavery, Susan Watson, Simon Harvey, Terrie E. Inder. *Publication 5575.5*

2:15 Brief Neonatal Hypoxia Increases Densities of Various Neuron Phenotypes in the Hippocampus and Is Related to Enhanced Memory Retrieval in Young Adult Rats. Gregory Pourie, Carine Bossenmeyer-Pourie, Marie Trabalon, Emmanuelle Nedelec, Paul Vert, Jean-Luc Daval. *Publication 5575.6*

2:30 Gene Mutations and Intellectual Impairment in Duchenne Muscular Dystrophy Patients. Mariko Yagi, Atsushi Nishiyama, Yoshinobu Oyazato, Yasuhiro Takashima, Tamiko Ogura, Masafumi Matsuo. (Sponsored by David K. Stevenson) *Publication 5575.7*

SPR Student Research Awardee

Akihiro Asai

2:45 * Functional Ischemia and Phosphodiesterase-5 Inhibitor Therapy in a Mouse Model of Muscular Dystrophy. Akihiro Asai, Jeevendra Martyn, Shingo E. Yasuhara. (Sponsored by Jesse David Roberts, Jr) *Publication 5575.8*

1:00pm–3:00pm

5580 New Mechanisms of Neonatal Pulmonary Vascular Disease

PAS Poster Symposium ~ TCC, Room 701A

Viewing: 1:00pm–1:30pm

Discussion: 1:30pm–3:00pm

Chairs: David N. Cornfield and Robin H. Steinhorn

- 1* **Transforming Growth Factor- β (TGF- β) Neutralizing Antibodies Improve Alveologenesis and Vasculogenesis in the Injured Developing Lung.** Hidehiko Nakanishi, Takahiro Sugiura, James Streisand, Scott Lonning, Jesse Roberts, Jr. *Publication 5580.1*
- 2* **In Vivo Functions of Heme Oxygenase-1 in Postnatal Lung Development.** Monica Zhang, Rashmin C. Savani, Phyllis A. Dennerly, Sara Lin. *Publication 5580.2*
- 3* **Antenatal Fasudil Attenuates Pulmonary Vascular Remodeling in Rats with Congenital Diaphragmatic Hernia (CDH).** Christina Luong, Irene van der Horst, Farah Eaton, Bernard Thebaud. *Publication 5580.3*
- 4* **Prenatal Exposure to Fluoxetine Induces Fetal Pulmonary Hypertension in the Rat.** Enrica Fornaro, Dongge Li, Jingyi Pan, Jaques Belik. *Publication 5580.4*
- 5 **Ventilation with 50% O₂ Preserves CGMP in the Neonatal Pulmonary Vasculature Versus 95% O₂.** Kathryn N. Farrow, Lyubov Czech, Satyan Lakshminrusimha, Stephen Wedgwood, Beezly S. Groh, Sylvia F. Gugino, James A. Russell, Robin H. Steinhorn. *Publication 5580.5*
- 6* **Early Inhaled Nitric Oxide Treatment Decreases Apoptosis in the Neonatal Rat Lung after Vascular Endothelial Growth Factor (VEGF) Receptor Inhibition.** Jen-Ruey Tang, Gregory Seedorf, Vivek Balasubramaniam, Neil Markham, Anne Maxey, Steven H. Abman. *Publication 5580.6*
- 7 **Endothelial Nitric Oxide Synthase (eNOS) Interacts with Mitochondrial Outer Membrane To Regulate Oxidative Stress in Fetal Pulmonary Artery Endothelial Cells (PAEC).** Girija G. Konduri, Annie L. Eis, Ivane Bakhtushvili. *Publication 5580.7*
- 8* **Hypercarbic and Normocarbic Acidosis Relaxed the Chicken Ductus Arteriosus.** Rob M.J. Moonen, Pia Agren, Carlos E. Blanco, Eduardo Villamor. *Publication 5580.8*
- 9* **Y-27632, a Rho Kinase Inhibitor, Upregulates Endothelial Nitric Oxide Synthase (eNOS) Expression and Increases Tube Formation by Fetal Pulmonary Artery Endothelial Cells (PAEC) from Normal Sheep and in a Model of Persistent Pulmonary Hypertension of the Newborn (PPHN).** Jason Gien, Gregory Seedorf, Thomas Parker, Neil Markham, Vivek Balasubramaniam, Steven H. Abman. *Publication 5580.9*
- 10 **Human Epidermal Growth Factor like Domain 7 (EGFL7) Prevents Hyperoxia-Induced Endothelial Cell Death.** Dong Xu, Ike I. Ekekezie, Ricardo E. Perez, Angels Navarro, William E. Truog. *Publication 5580.10*
- 11 **TGF-Beta in Neonatal Hypoxia-Induced Pulmonary Arterial Remodeling and Inhibition of Alveolar Development.** N. Ambalavanan, J.S. Hagood, J. Murphy-Ullrich, A. Bulger, S. Oparil, Y.-F. Chen. *Publication 5580.11*
- 12* **L-Citrulline Increases Pulmonary Vascular Nitric Oxide Production in Newborn Pigs.** Madhumita Ananthkrishnan, Frederick E. Barr, Marshall L. Summar, Mark R. Kaplowitz, Yongmei Zhang, Candice D. Fike. *Publication 5580.12*

1:00pm–3:00pm

5585 Pediatric Nutrition: Diet, Feeding & Growth

PAS Poster Symposium ~ TCC, Room 801B

Viewing: 1:00pm–1:30pm

Discussion: 1:30pm–3:00pm

Chairs: Neal S. LeLeiko and Sonia K. Michail

- 1 **Prebiotic Supplementation and Adequate Calcium Intake Have Beneficial Effects on Body Mass Index Changes during Early Adolescence.** Steven A. Abrams, Ian J. Griffin, Keli M. Hawthorne, Kenneth J. Ellis. *Publication 5585.1*
 - 2* **Prebiotic Diet and Enterohepatic Circulation of Bile Salts in Rats.** H. van Meer, G. Boehm, F. Stellaard, R. Havinga, J. Knol, A. Vriesema, P.J.J. Sauer, H.J. Verkade. *Publication 5585.2*
- APS/SPR Student Research Program Awardee
Jamie Gilberg
- 3* **Effect of Dietary Patterns on Bone Health in Children Varies by Gender and Race.** Jamie Gilberg, Virginia Stallings, Donna Paulhamus, Joan Schall, Babette Zemel. *Publication 5585.3*
 - 4 **Maternal DHA Supplementation in Pregnancy: A Double Blind Randomized Prospective Trial of Maternal N-3 Fatty Acid Status, Human Milk Fatty Acids and Infant Development.** Sheila M. Innis, Russel W. Friesen. *Publication 5585.4*
 - 5* **Is Choline a Source of Methyl Groups and Glycine for the Human Fetus? Metabolic Inter-Relations of Choline, Homocysteine and Glycine.** Russell W. Friesen, David Hasman, Sheila M. Innis. *Publication 5585.5*

- 6 **Early Nutrition Is Associated with Growth and Pulmonary Function at 1 Year in Premature Infants with Bronchopulmonary Dysplasia.** Khaled Husseini, Segolene Isambert, Catheine Huon, Mostafa Mokhtari, Michelle Chaussain, Christophe DuPont, Alexandre Lapillonne. *Publication 5585.6*
- 7 **Implementation of a Nutrition Practice Bundle Reduces Postnatal Growth Failure in Infants Born <28 wks Gestation.** A. Nash, S. Merko, R. Bishara, M. Dunn, P. Darling. *Publication 5585.7*
- 8 **Body Composition Measurements Are Better Predictor Than Anthropometry for Circulating Leptin and Leptin Receptor in Infants.** Winston Koo. *Publication 5585.8*
- 9 **Lipid Alterations and Insulin Resistance in HIV-Infected Children Beginning or Changing Therapy.** Caroline J. Chantry, Michael D. Hughes, Carmelita Alvero, Joseph S. Cervia, William A. Meyer III, Janice Hodge, Peggy Borum, Jack Moye, Jr, PACTG P1010 Team. *Publication 5585.9*
- SPR House Officer Research Award Recipient
Anja M. Hafkamp
- 10* **Treatment of Unconjugated Hyperbilirubinemia in Crigler-Najjar Disease by Orlistat: A Randomized Controlled Trial.** Anja M. Hafkamp, Rineke Nelisse-Haak, Maarten Sinaasappel, Ronald P.J. Oude Elferink, Henkjan J. Verkade. *Publication 5585.10*
- 11* **The Effects of Repeated Exposure and Language Learning on Preschoolers' Preference for Novel Flavors.** Cara A. Belkofer, Patrick B. Forrest, Julie C. Lumeng. *Publication 5585.11*
- 12* **Randomized Control Trial of Yoga Treatment for Eating Disorders.** Rain Carei, Amber L. Fyfe-Johnson, Cora Collette Breuner. *Publication 5585.12*

1:00pm–3:30pm

5650A Controversies in Pediatric Endocrinology Debates

LWPES Workshop ~ TCC, Hall G

Target Audience: Clinicians involved with care of children with growth disorders or abnormalities in bone density.

Objectives:

- Understand the benefits and risks of IGF-I treatment of children with idiopathic short stature
- Appreciate the value of GH testing in the diagnosis of GH deficiency
- Elucidate the benefits and risks of bisphosphonate treatment of children with diminished bone mineral density

Chairs: Mitchell Geffner, Saban Research Institute of Children's Hospital of Los Angeles, Los Angeles, CA; and Clifford A. Bloch, University of Colorado School of Medicine, Greenwood Village, CO

In this session, three current areas of controversy in pediatric endocrinology will be debated by respective experts in these fields. These include: (1) use of the new growth-promoting therapy, recombinant IGF-I, to augment height in children with idiopathic short stature; (2) performance of traditional pharmacological growth hormone stimulation tests as a means to diagnose childhood growth hormone deficiency; and (3) appropriateness of bisphosphonate therapy to treat childhood osteoporosis.

1:00 IGF-I Treatment of Idiopathic Short Stature—Pro

Pinchas Cohen, Professor and Chief of Endocrinology, Mattel Children's Hospital at UCLA, David Geffen School of Medicine at UCLA, Los Angeles, CA

1:25 IGF-I Treatment of Idiopathic Short Stature—Con

Arlan L. Rosenbloom, University of Florida College of Medicine, Gainesville, FL

1:50 The GH Stimulation Test: Has the Time Come to Pronounce Its Demise?—Pro

Darrell M. Wilson, Stanford University Medical Center, Stanford, CA

2:15 The GH Stimulation Test: Has the Time Come to Pronounce Its Demise?—Con

Margaret L. Lawson, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada

2:40 Should Bisphosphonates be Routinely Used to Treat Low BMD with Fractures in Children?—Pro

Craig B. Langman, Feinberg School of Medicine, Northwestern University, Chicago, IL

3:05 Should Bisphosphonates be Routinely Used to Treat Low BMD with Fractures in Children?—Con

Linda A. DiMeglio, Indiana University School of Medicine, Indianapolis, IN

Supported by an unrestricted educational grant from Insmad, Incorporated

2:00pm–5:00pm

5655 Advocacy Training

APA Special Interest Group ~ TCC, Room 107

Chairs: Alice A. Kuo, akuo@mednet.ucla.edu; Lisa Chamberlain, lisa.chamberlain@medcenter.stanford.edu; and Benjamin Hoffman, bhoffman@salud.unm.edu

In the Advocacy Training SIG, we will again be providing an opportunity to hear from residents from around the country on their advocacy projects. We will have 3-4 oral presentations along with a poster session and reception with refreshments, co-

sponsored by the AAP and NACHRI. During our business meeting, we will discuss a public policy agenda and opportunities to participate in a national legislative day. We will also choose new leadership for the SIG for 2007-2008.

Right before the SIG meeting, we are co-sponsoring a Mini-Course entitled: "Advocacy Training: From Theory to Practice" with the AAP Community Pediatrics Training Initiative and the Medical-Legal Partnership for Children. Guest speakers include Paul H. Wise, MD, MPH; Karen Hendricks, JD; Pamela Tames, JD and Lauren Smith, MD, MPH; and Steve Shelov, MD. Please join us for an outstanding day of Advocacy Training in Toronto!

3:15pm–5:15pm

5680 Diagnosis and Treatment of Bone Disorders in Childhood and Adolescence

PAS/ASP/N/LWPES Topic Symposium ~ TCC, Room 718A

Target Audience: General pediatricians, endocrinologists and nephrologists.

Objectives:

- Understand new concepts in the etiology of renal osteodystrophy
- Appreciate new insights into the pathogenesis of XLH
- Be cognizant of the advantages and disadvantages of the available methods for quantifying bone density in youth
- Know when and how to treat decreased bone density in pediatric patients

Chairs: Mary Beth Leonard, The Children's Hospital of Philadelphia, Philadelphia, PA; and Thomas O. Carpenter, Yale-New Haven Children's Hospital, New Haven, CT

Recent advances in molecular genetics and pharmacotherapeutics have spurred newer approaches to the management of bone disorders in children and adolescents. The increasing use of glucocorticoids and other agents that impact bone health has also resulted in pediatricians being increasingly confronted with questions related to bone disorders in clinical practice. This symposium will examine advances in the pathophysiology, diagnosis and clinical management of bone disorders in children and adolescents.

3:15 A Novel Central Mechanism in Renal Osteodystrophy

Robert H.K. Mak, Oregon Health and Science University, Portland, OR

3:45 New Insights into the Pathogenesis of X-linked Hypophosphatemic Rickets (XLH)

Michel G. Baum, University of Texas Southwest Medical Center at Dallas, Dallas, TX

4:15 Measurement of Bone Mass in Children and Adolescents

Laura K. Bachrach, Stanford University Medical Center, Stanford, CA

4:45 Management of Osteoporosis in Childhood and Adolescence

Leanne Marie Ward, Children's Hospital of Eastern Ontario, University of Ottawa, Ottawa, Ontario, Canada

Sponsored jointly by the American Society of Pediatric Nephrology, Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

3:15pm–5:15pm

5685 New Therapies and Preventive Approaches for Necrotizing Enterocolitis

PAS Topic Symposium ~ TCC, Hall F

Target Audience: Neonatology and gastroenterology.

Objectives:

- Understand factors associated with NEC
- Assess surgical options for NEC
- Understand long term neurodevelopmental consequences of NEC

Chairs: Robert D. Christensen, Intermountain Healthcare, Salt Lake City, UT; and Rosemary D. Higgins, National Institute of Child Health and Development, Rockville, MD

Necrotizing enterocolitis is one of the most perplexing diseases to understand, prevent and treat in neonatology. There are several potential treatments in various phases of development recently discussed at an NICHD workshop on New Therapies and Preventive Approaches for NEC. Surgical approaches have recently been described in the literature. This symposium will summarize the new information and pose ongoing gaps in the area of NEC.

3:15 Introduction

Rosemary D. Higgins, National Institute of Child Health and Development, Rockville, MD

3:20 Gut Colonization and Inflammation in NEC

W. Allan Walker, Massachusetts General Hospital, Charlestown, MA

3:45 Enteral Administration of Simulated Amniotic Fluid to Prevent or Treat Small Bowel Mucosal Atrophy

Robert D. Christensen, Intermountain Healthcare, Salt Lake City, UT

4:10 Surgical Options for NEC

Martin L. Blakely, University of Tennessee Health Science Center, Memphis, TN

4:35 Developmental Outcomes of Infants with NEC
Susan R. Hintz, Stanford University, Palo Alto, CA

5:00 Discussion

3:15pm–5:15pm

5690 The Role of Health Information Technology in Child Health, Patient Safety and Quality of Care

PAS Topic Symposium ~ TCC, Room 707

Target Audience: Clinicians, administrative leaders, health service researchers and health policy leaders.

Objectives:

- Articulate how IOM goals for bridging the quality chasm in pediatrics can be achieved through well designed health IT
- Identify current areas of pediatric practice where existing health IT solutions have relevance for quality and safety goals
- Identify future areas of practice where health IT solutions under development will impact quality and safety goals

Chairs: Stephen C. Porter and Kenneth D. Mandl, Children's Hospital Boston, Boston, MA

Health information technology (HIT) promises benefits of improved quality and safety within the scope of pediatric practice. Successful design and implementation of HIT solutions that truly benefit child health requires careful attention to pediatric-specific content and existing guidelines, the role of parents as information providers, and the appropriate alignment of user-interface demands with workflow. This session will present four unique HIT products and discuss their impact on the delivery of pediatric care. Presenters will highlight the original science specific to work in the areas of patient-centered HIT, electronic medical records in primary care, HIT and evidence-based practice, and the role of personally controlled health records in pediatric care. Relevant topics across the presentations will include: 1) how HIT can empower parents, 2) how HIT can drive quality improvement in the office setting, and 3) how HIT can support the delivery of high-quality and evidence-based care from individual encounters to population-level health efforts.

3:15 Introductory Remarks

Stephen C. Porter, Children's Hospital Boston, Boston, MA

3:25 The Value of Patient-centered Health IT for Safe and Effective Pediatric Care

Stephen C. Porter, Children's Hospital Boston, Boston, MA

3:45 An IT Solution for Pediatric Primary Care Screening and Decision Support

Paul Biondich, Regenstrief Institute, Indianapolis, IN

4:10 Using the Electronic Health Record to Improve the Quality of Pediatric Primary Care

William G. Adams, Boston Medical Center, Boston University School of Medicine, Boston, MA

4:35 Personally Controlled Health Records

Kenneth D. Mandl, Children's Hospital Boston, Boston, MA

4:55 Discussion

Sponsored jointly by the AAP Committee on Information Technology, APA SIG on Informatics and the Pediatric Academic Societies

3:15pm–5:15pm

5695A Controversies in Hematology: A Debate on Thrombophilia Testing and Diagnosis of von Willebrand Disease

ASPHO Symposium ~ TCC, Room 718B

Target Audience: Pediatric hematologists, general pediatricians.

Objectives:

- Describe the benefits and limitations of thrombophilia testing
- Describe the difficulties in testing for von Willebrand disease
- Describe the controversies surrounding the diagnosis of von Willebrand disease

Chairs: Guy Young, Children's Hospital Los Angeles, Los Angeles, CA; and Jorge DiPaola, University of Iowa, Iowa City, IA

There are many disorders in pediatric hematology for which diagnosis and treatment are controversial. This largely results from the lack of evidence-based guidelines from which to make decisions. Nevertheless, these issues occur in clinical practice commonly and decisions regarding patient care must be made. Two such areas are thrombophilia testing in patients with thrombosis (and relatives of index cases with no thrombosis) and diagnosis and treatment of von Willebrand disease. When children develop thrombosis, there are usually multiple prothrombotic risk factors in place, and genetic risk factors have been demonstrated to be associated with various thrombotic complications; however, the benefits of screening patients for thrombophilia remain controversial. Another clinically challenging area is the patient with bleeding symptoms and modestly low levels of von Willebrand factor (VWF). Should they all be diagnosed with a lifelong genetic disorder or should they

simply be told they have low levels of a clotting protein and that this may be the cause of their bleeding symptoms? Is low VWF a disease or a risk factor? Should this categorization affect treatment decisions? This symposium will address these two issues in a debate format with expert speakers taking opposing views and detailing the rationale for their views. In addition, ample time will be made available for audience questions and comments and attendees of this symposium are encouraged to come prepared with questions and comments.

3:15 Introduction—Thrombophilia Testing

Guy Young, Children's Hospital Los Angeles, Los Angeles, CA

3:20 Thrombophilia Testing: Yes

M. Patricia Massicotte, University of Alberta, Edmonton, Alberta, Canada

3:30 Thrombophilia Testing: No

Lisa A. Michaels, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

3:40 Rebuttal

M. Patricia Massicotte, University of Alberta, Edmonton, Alberta, Canada

Lisa A. Michaels, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

3:50 Audience Participation

4:15 Introduction—Von Willebrand Disease: Disease or Risk Factor

Jorge DiPaola, University of Iowa, Iowa City, IA

4:20 Von Willebrand Disease: A Risk Factor

Eric J. Werner, Children's Hospital of The King's Daughters and Eastern Virginia Medical School, Norfolk, VA

4:30 Von Willebrand Disease: A Disease

Thomas C. Abshire, Aflac Cancer Center and Blood Disorders Service, Atlanta, GA

4:40 Rebuttal

Eric J. Werner, Children's Hospital of The King's Daughters and Eastern Virginia Medical School, Norfolk, VA

Thomas C. Abshire, Aflac Cancer Center and Blood Disorders Service, Atlanta, GA

4:50 Audience Participation

3:15pm–5:15pm

5700 Basic Mechanisms of Cardiac and Pulmonary Development

PAS Platform Session ~ TCC, Room 701A

Chairs: Heber C. Nielsen and George A. Porter

3:15 * Notch Signaling Regulates Morphogenetic Boundaries in the Developing Lung. Po-Nien Tsao, Konstantin Izvolksy, Felicia Chen, Jining Lu, Wellington V. Cardoso. (Sponsored by Chao-Ching Huang) *Publication 5700.1*

SPR Fellow Basic Award Recipient

John T. Benjamin

3:30 * Alpha8 Integrin Is Required for Mesenchymal Cell Adhesion, Airway Division, and Lobe Septation during Fetal Lung Development. John T. Benjamin, David C. Gaston, Lawrence S. Prince. (Sponsored by Namasivayam Ambalavanan) *Publication 5700.2*

3:45 * New Genes Involved in Lung Alveolar Development Identified by Transcriptome Analysis in the Rat. Changes in Arrested Alveolarization. Olivier Boucherat, Marie-Laure Franco-Montoya, Roberto Incitti, Christelle Thibault, Christophe Delacourt, Jacques Bourbon. (Sponsored by Guy Moriette) *Publication 5700.3*

4:00 Use of a Mouse Mutagenesis Screen for Creating New Models of Congenital Diaphragm and Lung Defects. Kate G. Ackerman, Rolf W. Stottmann, Yujuan Yun, Liqing Luo, Andrew Bolton, Jennifer L. Moran, David R. Beier. *Publication 5700.4*

4:15 * BMP4 Is Required in the Anterior Heart Field for Cardiac Outflow Tract and Semilunar Valve Development. David J. McCulley, Ji One Kang, Pooja Agarwal, Anabel Rojas, James F. Martin, Brian L. Black. (Sponsored by Joseph Kitterman) *Publication 5700.5*

4:30 Calcium Manipulation in Zebrafish Embryos Affects Left-Right Asymmetry of the Heart and Brain. Jill A. Kreiling, Zaneta L. Balantac, Jamal Toure, Sigalit Zchut, Lazaros K. Kochilas, Robbert Creton. *Publication 5700.6*

4:45 The Role of p57KIP2 in Cardiac Development and Response to Hypoxic Stress. Sheila Haley, Ting Zhao, Lijun Zou, James F. Padbury, Lazaros K. Kochilas. *Publication 5700.7*

5:00 Interaction between Sox4 and the Wnt Signaling Pathway. Paul Anziano, Sarah Wehrli, Michele Scheerer, Kathryn Maschhoff. *Publication 5700.8*

3:15pm–5:15pm

5705 Emergency Medicine I

PAS Platform Session ~ Room 713AB

Chairs: Lei Chen and Suzanne Schuh

- 3:15 Effectiveness of a Mentor-Implemented Violence Prevention Intervention for Assault-Injured Youth Presenting to the Emergency Department: Results of a Randomized Trial.** Tina L. Cheng, Denise Haynie, Ruth A. Brenner, Shang-en Chung, Joseph L. Wright, Bruce Simons-Morton. *Publication 5705.1*
- 3:30 Relationship of Serum S100B and Intracranial Injury in Children with Accidental Closed Head Trauma.** Kirsten Bechtel, Sarah Frasure, James Dziura, Christine Simpson. (Sponsored by Karen Santucci) *Publication 5705.2*
- 3:45 Blunt Head Trauma in the Pediatric Emergency Care Applied Research Network (PECARN).** N. Kuppermann, J.F. Holmes, P.S. Dayan, J. Hoyle, S.M. Atabaki, J.M. Dean, R. Holubkov, PECARN. *Publication 5705.3*
- 4:00 Implementation of an Ambulatory Medication Management Application in a Pediatric Emergency Department.** Usha M. Sankrithi, Diana Wong, Michael DeBusk. *Publication 5705.4*
- 4:15 The Impact of Family Presence at Pediatric Trauma Resuscitations.** Nanette C. Dudley, Kristine W. Hansen, Ronald A. Furnival, Kaye Lynn Van Wagenen, Eric R. Scaife. *Publication 5705.5*
- 4:30 Effect of Simulation on Pediatric Resident Performance in Mock Resuscitation.** Aaron Donoghue, Dennis Durbin, Frances Nadel, Glenn Stryjewski, Suzanne Kost, Vinay Nadkarni. *Publication 5705.6*
- 4:45 * Utility of Procalcitonin To Identify Young Febrile Infants at Low Risk of Serious Bacterial Infections.** Scott Weiss, Andrew Dauber, Vincenzo Maniaci, Eric Nylen, Richard Bachur. *Publication 5705.7*
- 5:00 Is Neutropenia a Risk Factor for Serious Bacterial Infection among Children without Underlying Disease?** Elliot Melendez, Marvin B. Harper. *Publication 5705.8*

3:15pm–5:15pm

5710 General Pediatrics I

PAS Platform Session ~ TCC, Room 106

Chairs: Usha M. Sankrithi and Elaine E. Schulte

- 3:15 * Infant Deaths Associated with Cough and Cold Medicines.** Adam L. Cohen, Daniel S. Budnitz, Arjun Srinivasan. *Publication 5710.1*
- 3:30 Effect of Honey, Dextromethorphan, and No Treatment on Nocturnal Cough and Sleep Quality for Coughing Children and Their Parents.** Ian M. Paul, Jessica Beiler, Amyee McMonagle, Michele L. Shaffer, Laura Duda, Cheston M. Berlin, Jr. *Publication 5710.2*
- 3:45 Dental Provider's Attitudes Regarding the Application of Fluoride Varnish by Pediatric Providers.** Nancy L. Swigonski, Karen M. Yoder, Gerardo Maupome, Susan Ofner. *Publication 5710.3*
- 4:00 * The Association between Iron Deficiency Anemia and Stroke in Young Children.** Jonathon Maguire, Gabrielle deVeber, Patricia C. Parkin. *Publication 5710.4*
- 4:15 Adherence to Iron Sprinkles as a Daily Supplement for Low Income Infants: A Randomized Clinical Trial.** Paul Geltman, Kari Hironaka, Supriya Mehta, Alan Meyers, Priscilla Padilla, Rodrigues Patricia, Howard Bauchner. *Publication 5710.5*
- 4:30 Time To Revive Popeye: Secular Trends in the Prevalence of Iron Deficiency among US Toddlers: 1976-2002.** Jane Brotanek, Jacqueline Gosz, Michael Weitzman, Glenn Flores. *Publication 5710.6*
- 4:45 The Validity of a Depression Screening Tool for Postpartum Depression in an Urban Pediatric Clinic.** Linda H. Chaudron, Peter G. Szilagyi, Elizabeth Anson, Holly I.M. Wadkins, Katherine L. Wisner. *Publication 5710.7*
- 5:00 Mental Health of Children Entering Utah's Foster Care System.** Julie Steele, Karen Buchi. *Publication 5710.8*

3:15pm–5:15pm

5715 Genetics / Inborn Errors of Metabolism

PAS Platform Session ~ TCC, Room 716B

Chairs: Hans C. Andersson and Marilyn C. Dumont-Driscoll

- 3:15 Three Year Experience Performing Array Comparative Genomic Hybridization on over 6000 Pediatric Samples in a CLIA-Approved Lab.** Arthur Beaudet, X. Lu, L. Shao, C. Shaw, A. Patel, T. Sahoo, S. Yatsenko, M. Cooper, A. Pursley, C. Bacino, L. White, P. Stankiewicz, A. Chinault, J. Lupski, S. Cheung, P. Ward. *Publication 5715.1*
- 3:30 Network Analysis of Glycerol Kinase Deficient Mice Predicts Genes Essential for Survival: A Systems Biology Approach.** N.K. MacLennan, J. Dong, S. Horvath, E.R.B. McCabe. *Publication 5715.2*
- 3:45 * A Mutation in the CXCR2 Chemokine Receptor Results in an Isolated Myelokathexis Phenotype Observed in WHIM Syndrome.** Andrew L. O'Shaughnessy, George A. Diaz. *Publication 5715.3*

- 4:00 *** **A Novel Group of Patients Show Features of Infantile Neuronal Axonal Dystrophy (INAD), Cerebellar Atrophy and Neuronal Brain Iron Accumulation (NBIA) Associated with Mutations in the *PLA2G6* Gene.** M.A. Kurian, N.V. Morgan, E. Wassmer, L. MacPherson, D. Peake, R. Gupta, S.G. Philip, C. Hendriks, J.E.V. Morton, P. Gissen, E.R. Maher. (Sponsored by Aideen M. Moore) *Publication 5715.4*
- 4:15** **Association of Common Genetic Polymorphisms in Genes of the Growth Hormone and BBS Pathways with Adult Height Variation in the General Population.** Johannah Butler, Guillaume Lettre, Iona Cheng, Daniel Stram, Elena Giorgi, Christopher Haimans, Leif Groop, Kristin Ardlie, Loic Le Marchand, Laurence Kolonel, Malcom Pike, Brian Henderson, Matthew Freedman, Joel N. Hirschhorn. *Publication 5715.5*
- 4:30** **Butyryl-Carnitine Is Transported by the Amino Acid Transporter ATB0+: An Alternative Therapy for Patients with Mutations in OCTN2 Transporter.** Srinivas R. Sonne, Nagavedi S. Umapathy, Prem S. Shekhawat, Vadivel Ganapathy. *Publication 5715.6*
- 4:45** **Adverse Medical Outcomes of Universal Newborn Screening Programs.** Jeffrey P. Brosco, Lee M. Sanders, Michael I. Seider, Angela C. Dunn. *Publication 5715.7*
- 5:00** ***In Vivo* Post-Transcriptional Gene Silencing of the PIZ Mutation of Alpha-1 Antitrypsin by RNA Interference.** Pedro E. Cruz, Travis Cossette, Stuart Beattie, Quishi Tang, Keith Blomenkamp, Martha Campbell-Thompson, Jeffrey Teckman, Terry R. Flotte. *Publication 5715.8*

3:15pm–5:15pm

5720 Health Services Research I

PAS Platform Session ~ TCC, Room 206D

Chairs: Kevin J. Dombkowski and Tracy A. Lieu

- 3:15** **Hospitalization of Children with Type 2 Diabetes.** Rhonda Graves, Daniel Rauch, Jennie Brodsky, Arthur Fierman, George Fryer, Thomas Miyoshi, Michael Weitzman. *Publication 5720.1*
- 3:30** **Limitations to Predicting Female Adolescents' Longitudinal Risk for Human Papillomavirus (HPV) Infection.** Amanda F. Dempsey, Acham Gebremariam, Lisa E. Manhart. *Publication 5720.2*
- 3:45** **Impact of a Patient-Centered Technology on Parent Satisfaction in the ED.** Umbereen S. Nehal, Leslie A. Kalish, Stephen C. Porter. *Publication 5720.3*
- 4:00 *** **National Trends in Pediatric Bariatric Surgery.** Peter L. Schilling, Matthew M. Davis, Craig T. Albanese, Sanjeev Dutta, John Morton. *Publication 5720.4*
- 4:15** **Impact of Primary and Psychiatric Care on the Use of Multiple Anti-Psychotropic Medications in Children with Developmental Disabilities.** David Wood, Allyson Hall, Jianyi Zhang, Tao Hou. *Publication 5720.5*
- 4:30** **Effects of Vaccine Shortages on Timeliness of Pneumococcal Conjugate Vaccination in the U.S..** Philip J. Smith, Pekka J. Nuorti, James A. Singleton. (Sponsored by Jeanne M. Santoli)*Publication 5720.6*
- 4:45 *** **Changes in Financial and Non-Financial Barriers to Health Care for New York State Adolescents after Enrolling in SCHIP.** K.M. Wilson, J.D. Klein, L.P. Shone, A. Bajorska, A.W. Dick, P.G. Szilagyi. *Publication 5720.7*
- 5:00** **Anticipated Use of Retail Clinics for Children.** M.M. Davis, D.C. Singer. *Publication 5720.8*

3:15pm–5:00 pm

5725 Hematology - Oncology III

PAS/ASPHO Platform Session ~ TCC, Room 716A

Chairs: Scott Cameron and Judith F. Margolin

- 3:15** **Shortened, Intensified Therapy in Infant ALL: A Pediatric Oncology Group Study.** Z. Dreyer, P. Dinndorf, H. Sather, C. Steuber, W. Carroll, J. Hilden, B. Camitta. *Publication 5725.1*
- 3:30*** **Development of Notch Agonists for the Treatment of Pediatric AML.** Robert M. Sutphin, Wendy Fang, Claudia Miller, Martin Campbell, Patrick A. Zweidler-McKay. *Publication 5725.2*
- 3:45*** **Absolute Lymphocyte Count Is a Novel Prognostic Indicator in ALL and AML: Implications for Risk Stratification.** Guillermo R. De Angulo, Carrie Yuen, Shana L. Palla, Peter M. Anderson, Patrick A. Zweidler-McKay. *Publication 5725.3*
- 4:00** **mTOR Inhibitors (MTI) Are Synergistic with Methotrexate: An Effective Combination To Treat Acute Lymphoblastic Leukemia (ALL).** David T. Teachey, Gregor Reid, Jonathan Fish, Cecilia Sheen, Theresa Ryan, Junior Hall, Valerie I. Brown, Stephan A. Grupp. *Publication 5725.4*
- 4:15** **Identification of Genomic Classifiers that Distinguish Induction Failure in T-ALL: A Report from the Children's Oncology Group.** Stuart S. Winter, Zeyu Jiang, Hadya M. Khawaja, Timothy Griffin, Meenakshi Devidas, Barbara L. Asselin, Richard S. Larson. *Publication 5725.5*
- 4:30*** **A Conditional Model of Myc-Induced T Cell Acute Lymphoblastic Leukemia in the Zebrafish Using Myc-Estrogen Receptor Fusion Transgenes.** Alejandro Gutierrez, Hui Feng, David Langenau, Edward Prochownik, Thomas Look. *Publication 5725.6*
- 4:45** **(Withdrawn) Effect of Race on Vincristine-Associated Neurotoxicity in Pediatric ALL Patients.** Jamie L. Renbarger, Kevin C. McCammack, Stephen D. Hall. *Publication 5725.7*

5:00 (New time 4:45) **A Whole-Genome Approach To Identify Genetic Determinants of Cytarabine Cytotoxicity.** Christine M. Hartford, Wei Whang, Emily Kistner, Eileen Dolan. *Publication 5725.8*

3:15pm–5:15pm

5730 Hospital Medicine I

PAS Platform Session ~ TCC, Room 705

Chairs: Douglas W. Carlson and Vincent Chiang

- 3:15** **Changing Trends in Inpatient Pediatric Care.** Jay Berry, Rajendu Srivastava. *Publication 5730.1*
- 3:30** **What Is the Most Cost Effective Treatment for Pediatric Empyema?** Eyal Cohen, Michael Weinstein, David N. Fisman. *Publication 5730.2*
- 3:45** **Primary Operative Management for Pediatric Empyema Decreases Hospital Length of Stay and Hospital Charges in a National Database.** Su-Ting T. Li, Robert Gates. *Publication 5730.3*
- 4:00** **Factors Associated with Prolonged Length of Stay and Repeat Procedures in Children with Complicated Pneumonia.** Samir S. Shah, Cara M. DiCristina, Louis M. Bell, Tom Tenhave, Joshua P. Metlay. *Publication 5730.4*
- 4:15** **In-House Home Oxygen Therapy: An Innovative Strategy To Improve Discharge Efficiency of Hospitalized Bronchiolitis Patients.** Chris Maloney, Doug Wolfe, Julie Ballard, Mike Mundorff, Elizabeth Tyson, Flory Nkoy. *Publication 5730.5*
- 4:30 *** **Accuracy of End-Tidal CO₂ Monitoring in Respiratory Distress.** James M. Moses, Jamin L. Alexander, Michael S.D. Agus. *Publication 5730.6*
- 4:45** **Ipratropium Bromide Is Associated with Poorer Outcomes in Children Admitted for Asthma Exacerbations.** Bernhard Fassel, Flory Nkoy, Bryan Stone, Rajendu Srivastava, Per Gesteland, Tamara Simon, Gena Fletcher, Alice Dowling, Christopher Maloney. *Publication 5730.7*
- 5:00** **Pediatric Observation vs. Admission Designation: Optimizing Performance through Rapid-Cycle Improvement.** Michelle Marks, Skyler Kalady, Gail Pfeiffer, John Geraci, Marc Harrison. *Publication 5730.8*

3:15pm–5:15pm

5735 Infectious Disease I

PAS/PIDS Platform Session ~ TCC, Room 701B

Chairs: Patricia Ferrieri and Betsy C. Herold

- 3:15 *** ***Staphylococcus aureus* α -Toxin Enhances Virulence through Activation of Syndecan-1 Shedding and Dysregulation of the Host Inflammatory Response.** Allison H. Bartlett, Pyong Woo Park. (Sponsored by Carol J. Baker) *Publication 5735.1*
- 3:30** **Safety and Immunogenicity of a 13-Valent Pneumococcal Conjugate Vaccine.** Stan L. Block, Kristina A. Bryant, Dan Scott, 13vPnC Infant Study Group. *Publication 5735.2*
- 3:45 *** **Effect of Antimicrobial Class on the Host Cytokine Response to *Streptococcus Pyogenes*.** Anna-Kathryn Rye, Elizabeth A. Meals, David L. Hasty, B. Keith English. *Publication 5735.3*
- 4:00 *** **Molecular Umbrellas: A Novel Class of Candidate Topical Microbicides To Prevent HIV and HSV Infection.** Rebecca Pellett Madan, Pedro M.M. Mesquita, Natalia Cheshenko, Bingwen Jing, Vikas Shende, Esmeralda Guzman, Taylor Heald, Marla J. Keller, Steven L. Regen, Robin J. Shattock, Betsy C. Herold. *Publication 5735.4*

APS/SPR Student Research Program Awardee
Melanie Crutchfield

- 4:15 *** **Candidate Vaginal Microbicides Inhibit Herpes Simplex Virus Infection of Dendritic Cells and Macrophages without Triggering an Inflammatory Response.** Melanie Crutchfield, Doreen Ray, Vikas Shende, Veronica A. Mas Casullo, Betsy C. Herold. *Publication 5735.5*

- 4:30** **Characterization of the Interaction between Dendritic Cells and Herpes Simplex Virus.** Veronica A. Mas Casullo, Vikas Shende, Betsy C. Herold. *Publication 5735.6*

APS/SPR Student Research Program Awardee
Elizabeth Davis

- 4:45** **Primary Cytomegalovirus (CMV) Infection in Young Women: Clinical and Virologic Characterization.** Tina Simpson, Changpin Zhang, Hannah Hightower, Ashley Evans, Janie Hill, Elizabeth Davis, Gretchen Cloud, Robert F. Pass. *Publication 5735.7*

- 5:00** **Cytomegalovirus Infection of Macrophages Prevents Apoptosis by Downregulating Death Receptor Expression.** A. Maheshwari, Y. Hartman, T.D. Soltau, L.E. Smythies, P.D. Smith. *Publication 5735.8*

3:15pm–5:15pm

5740 Neonatal Fetal Nutrition & Metabolism I

PAS Poster Symposium ~ TCC, Room 801B

Viewing: 4:15pm–4:45pm

Discussion: 4:45pm–6:15pm

Chairs: Scott C. Denne and Patti J. Thureen

- 1* **Response to Exogenous Amino Acids in Critically Ill Term Infants Requiring Extracorporeal Membrane Oxygenation (ECMO).** Sandra J. Hoesli, Shirley Wright-Coltart, Scott C. Denne. *Publication 5740.1*
- 2 **Mechanisms To Maintain Myocardial Growth during Ovine Fetal Intrauterine Growth Restriction (IUGR).** James S. Barry, Laura D. Brown, Paul J. Rozance, William W. Hay. *Publication 5740.2*
- 3 **Effect of Glucose or Glucose Plus Amino Acids on Whole Body Nitrogen Metabolism in Newborn Infants.** Prabhu S. Parimi, Lourdes L. Gruca, Satish C. Kalhan. *Publication 5740.3*
- 4* **Visual Development of Premature Infants Fed Human Milk Containing Extra Energy and Nutrients after Hospital Discharge.** Karen Weishuhn, Carol Westall, Sobia Khan, Jennifer Vaughan, Ann Jefferies, Douglas M. Campbell, Elizabeth Asztalos, Mark Feldman, Joanne Rovet, Hilary Whyte, Deborah L. O'Connor. *Publication 5740.4*
- 5* **Impact of Improved Nutrition Practices on Nutrition and Growth of Very Low Birth Weight Infants.** Nadine C. Seger, Anne M. Johnston, Merja M. Cahoon, Elizabeth L. Engelhardt, Ann E. Lewis, Lisa Mikesell, Mindy B. Morris, Roberta K. Roesler, Susan Thorsland, Christina J. Valentine, Alfonso F. Pantoja, Ekhard E. Ziegler. *Publication 5740.5*
- 6 **The Effect of Early and Higher Protein Supplementation on Prevention of Hyperkalemia in ELBW Infants.** Cynthia L. Blanco, Kay Green, John E. Cornell, Alice K. Gong. *Publication 5740.6*
- 7* **Effects of High Protein and High Carbohydrate Milk Formulas on Short-Term Indicators of Metabolic Programming in Rat Pups.** Nicholas J. Hauser, Robert Lane, Robert A. McKnight, Jennifer Nelson, Clotilde des Robert, Nan Li, Josef Neu. *Publication 5740.7*
- 8 **Feeding Normo-Caloric Protein Enriched Formula after Term Does Not Affect Growth but Improves Lean Body Mass Gain in Preterm Infants.** Eline Amesz, Anne Schaafsma, Harry N. Lafeber. *Publication 5740.8*
- 9 **Impact of Enteral Nutrition Protocol Including Early Trophic Feeding in Gastroschisis.** Elizabeth Walter-Nicolet, Veronique Rousseau, Francois Kieffer, Sabine Sarnacki, Delphine Mitanchez. (Sponsored by Olivier Claris) *Publication 5740.9*
- 10* **Uteroplacental Insufficiency Increases Cerebral Expression of mTOR1 in Male Newborn and Juvenile Rats.** B.J. Burshears, M. Hale, M.C. Baserga, X. Yu, C.W. Callaway, P. Men, R.A. McKnight, R.H. Lane. *Publication 5740.10*
- 11 **Influence of Protein and Energy Intakes on Body Composition in Preterm Infants after Hospital Discharge.** P. Roggero, M.L. Gianni, O. Amato, A. Orsi, P. Piemontese, V. Puricelli, F. Mosca. *Publication 5740.11*
- 12 **Very Low Birth Weight (VLBW) Infants Undernourished at 36 Weeks Show Different Body Composition at Six Months Corrected Age: A Longitudinal Study.** Miguel Saenz de Pipaon, Izaskun Dorransoro, Juan Coya, Miriam Martinez-Biarge, Sofia Salas, Gabriel A. Martos-Moreno, Vicente Barrios, Jose Quero, Jesus Argente. *Publication 5740.12*

3:15pm–5:15pm

5745 Neonatal Hematology-Immunology

PAS Poster Symposium ~ TCC, Room 717AB

Viewing: 4:15pm–4:45pm

Discussion: 4:45pm–6:15pm

Chairs: Matthew M. Heeney and Joyce M. Koenig

- 1* **Endothelial Progenitor Cells and Mesenchymal Stem Cells Are Enriched at Different Gestational Ages in Human Umbilical Cord Blood.** Muhammad J. Javed, Laura E. Mead, Daniel N. Prater, Jamie Case, Mervin C. Yoder, David A. Ingram. *Publication 5745.1*
- 2 **Impaired Neutrophil Extra-Cellular Trap (NET) Formation in PAF- and LPS-Stimulated Polymorphonuclear Leukocytes Isolated from Preterm Infants.** Mark J. Cody, Nancy B. Chandler, Kurt H. Albertine, Guy A. Zimmerman, Andrew S. Weyrich, Christian C. Yost. (Sponsored by John Ross Milley) *Publication 5745.2*
- 3* **Endotoxin-Directed Innate Immunity in Tracheal Aspirates of Critically Ill Premature Human Neonates: Mobilization of Bactericidal Permeability Increasing Protein (BPI), LPS-Binding Protein, and Soluble CD14.** Katheryn E. Nathe, Eugenie E. Suter, Cara A. Lund, Richard Parad, Jo Ann Morey, Linda Van Marter, Ofer Levy. *Publication 5745.3*
- 4* **Allergic Dysregulation Associated with Regulatory T Cell Deficiency Is Potentiated by the Microbial Flora.** Ann L. Nguyen, Talal A. Chatila. (Sponsored by Sherin U. Devaskar) *Publication 5745.4*
- 5* **Immunophenotypic and Proteomic Characterization of Neonatal CD56dim(CB) vs Peripheral Blood (PB) CD56dim NK Cells.** Evan Shreck, Prakash Satwani, Carmella van de Ven, Janet Ayello, David Crockett, Megan Lim, Ronald Wapner, Hong Jiang, Nancy Day, Mitchell S. Cairo. *Publication 5745.5*
- 6 **Intravenous Lipid and Bilirubin-Albumin Binding Variables in Premature Infants.** Sanjiv B. Amin, Lori Scholer, Theresa Harte. *Publication 5745.6*

- 7* **Effects of Heme Oxygenase-1 Function on Human T-Cell Phenotype.** Trevor D. Burt, Joseph M. McCune. (Sponsored by Joseph Kitterman) *Publication 5745.7*
- 8 **Effects of Morphine Sulfate on Newborn Neutrophil Chemotaxis.** Panitan Yossuck, Babara J. Nightengale, Jim E. Fortney, Laura F. Gibson. *Publication 5745.8*
- 9* **(Withdrawn) The Abundance of Activated Neutrophils and Scarcity of Anti-Inflammatory Cytokines in the Placenta of Premature Infants.** Anjali Varandani, Scott Walsh, Elsie Mainali. *Publication 5745.9*
- 10 **(Withdrawn) Mature Dendritic Cells and Natural-Killer Cells Are Elevated in the Placentas of Premature Infants.** Elsie Mainali, John Tew, Scott Walsh. *Publication 5745.10*
- 11* **Effect of Transendothelial Migration on Neonatal and Adult Neutrophil Integrin Expression.** Aaron M. Germain, Thorunn Helgason, C. Wayne Smith, M. Michele Mariscalco. *Publication 5745.11*
- 12 **Disparities in Serotype (ST) Specific Immunity (SPI) to *Streptococcus pneumoniae* (SPN) in an At-Risk Population of Mothers and Infants.** Shahana A. Choudhury, Syeda M. Kabir, Gwinnett Ladson. (Sponsored by Peter Wright) *Publication 5745.12*

3:15pm–5:15pm

5750 Neonatal Neurology

PAS Platform Session ~ TCC, Room 801A

Chairs: Linda S. de Vries and Jeffrey M. Perlman

- 3:15 * **Surface Based Analysis of Cortical Development in Preterm Infants.** Jason E. Hill, David Van Essen, Terrie Inder, Andy Knutsen, Jeff Neil. *Publication 5750.1*
- 3:30 * **Concurrent Measurements of Energy Metabolites and Cerebral Oxygen Consumption Following Hypoxia Ischemia Using Magnetic Resonance Spectroscopy and Near-Infrared Spectroscopy.** Jeff D. Winter, Ken Tichauer, Neil Gelman, R. Terry Thompson, David S.C. Lee, Ting Y. Lee, Keith St. Lawrence. (Sponsored by Victor Han) *Publication 5750.2*
- 3:45 * **Phase Contrast (PC) MRA Measurements of Total Cerebral Blood Flow Compared to Doppler (DOP) Measurements in Newborns.** M.J.N.L. Benders, F. van Bel, J. Hendrikse, F. Groenendaal. *Publication 5750.3*
- 4:00 * **T2 MR Neuroimaging Is a Good Predictor of Cerebral White Matter Injury.** Young S. Byun, Sandra Rees, Jeffrey J. Neil, Christopher D. Kroenke, Michelle Loeliger, Penny Dalitz, Terrie E. Inder. *Publication 5750.4*
- 4:15 * **Cerebral Growth of Preterm Neonates at Term after Hydrocortisone (HC) Treatment of Chronic Lung Disease (CLD).** M.J.N.L. Benders, F. Groenendaal, F. van Bel, H.L. Torrance, J. Dubois, S.K. Warfield, P.S. Huppi, L.S. de Vries. *Publication 5750.5*
- 4:30 **Timing and Mechanisms of Cerebral Injury in Infants with Congenital Heart Disease.** Barbara R. Ferdman, Terrie E. Inder, Adrian Epstein, Jeffrey J. Neil, Lara Shekerdemian, John Beca. *Publication 5750.6*
- 4:45 **Infant Serotonin Transporter (SLC6A4) Promoter Genotype Is Associated with Adverse Neonatal Outcomes after Prenatal Exposure to Serotonin Reuptake Inhibitor (SRI) Medications.** Tim F. Oberlander, Russell Bonaguro, Shaila Misri, Michael Papsdorf, Colin J.D. Ross, Elizabeth M. Simpson. *Publication 5750.7*
- 5:00 **Chronic Mild Stress during Gestation Sensitizes the Murine Neonatal Brain to Excitotoxic Insult.** C.M. Rangon, S. Fortes, V. Lelievre, P. Leroux, F. Plaisant, C. Joubert, C. Cohen-Salmon, P. Gressens. *Publication 5750.8*

3:15pm–5:15pm

5755 Public Health and Prevention I

PAS Platform Session ~ TCC, Room 206F

Chairs: Beth Ebel and Charlotte W. Lewis

- 3:15 **Risky Sexual and Health Behaviors among Pregnant Women: The Influence of Prior Adverse Childhood Experiences.** Esther K. Chung, Leny Mathew, Irma T. Elo, James C. Coyne, Virginia A. Rauh, Jennifer F. Culhane. *Publication 5755.1*
- 3:30 **Movie Alcohol Exposure, Beliefs about Drinking, and Adolescent Alcohol Use.** Sonya Dal Cin, Keilah A. Worth, Meg Gerrard, Frederick X. Gibbons, Thomas A. Wills, James D. Sargent. *Publication 5755.2*
- 3:45 **In-Home CBT for Depressed Mothers in Home Visitation.** Robert T. Ammerman, Frank W. Putnam, Thomas G. DeWitt, Jack Stevens, Judith B. Van Ginkel. *Publication 5755.3*
- 4:00 * **High School Compliance with Emergency Response Plan Guidelines.** Mark L. Meredith, Andrew J.M. Gregory, Timothy G. Givens, Thomas J. Abramo. *Publication 5755.4*
- 4:15 * **Teen Abuse of Prescription Stimulant ADHD Medication 1998-2005.** G. Randall Bond, Jennifer A. Setlik. *Publication 5755.5*
- 4:30 **Dental Insurance and Its Impact on Preventive Dental Care for US Children: Opportunities for Improvement.** Charlotte Lewis, Wendy Mouradian, Rebecca Slayton, Alexis Williams. *Publication 5755.6*
- 4:45 * **School-Based Influenza Vaccination of Elementary Students Reduces Countywide School Absenteeism.** Mollie M. Davis, James C. King, Jr, Laurence S. Magder. *Publication 5755.7*

5:00 Intensive Home Visiting Is Associated with Decreased Risk of Infant Death. Robert T. Ammerman, Edward F. Donovan, John Besl, Harry Atherton, Jane C. Khoury, Mekibib Altaye, Frank W. Putnam, Judith B. Van Ginkel. *Publication 5755.8*

3:15pm–5:15pm

5800 A Fresh Approach To Tackling Childhood Obesity

PAS Workshop ~ TCC, Room 704

Target Audience: Residents, faculty members interested in training people for childhood obesity.

Objectives:

- Techniques on approaching obesity Applying the new Obesity Action Plan to office practice
- How to build a community pilot program on healthier lifestyles

Leader: Cristina Fernandez; Co-leaders: Stephen Darrow, Debb Raven, Francie McNail, Rene Sueiro, Valerie Gortmaker, Victoria R. Ruedisueli, Kirtibala Gupta

Childhood Obesity is one of the most important health problems around the world. This innovative workshop's goals are providing physicians the knowledge in recognizing childhood obesity & how to approach treatment in a sensitive and effective manner. An interactive discussion will focus on two new practice based models and on obesity case scenarios. One model is a prescription contract being released in our state for all health care maintenance visits. The other model is a novel approach to educating entire families concurrently about healthier lifestyles.

3:15pm–5:15pm

5802 Dealing with the Media: Crafting Your Message

PAS Workshop ~ TCC, Room 205B

Target Audience: All physicians with little media experience- trainee to faculty mentor.

Objectives:

- Understand ways to craft an effective media message
- Practice dealing with the media in a simulated exercise
- Learn means of communicating your message

Leader: Chris Kennedy; Co-leaders: Jane Knapp, Robert Schremmer.

This interactive workshop will provide a variety of strategies for dealing with the media. Special focus will be on the topic communicating the child advocacy message. The workshop will open with a brief didactic lecture with interactive question-and-answer format. This will be followed by splitting the groups into two short concurrent breakout sessions which will repeat so that all members participate: 1) Crafting the Message - groups will be provided with a short course and be asked to develop an advocacy message; 2) Live from Toronto!- an 2 minute individual videotaped interview practice session. The participants will get back together to review their interviews, and discuss effective media strategies .

3:15pm–5:15pm

5804 Design and Conduct of Randomized Clinical Trials

PAS Workshop ~ TCC, Room 206C

Target Audience: Residents, fellows and faculty conducting clinical research.

Objectives:

- Learn how to design and conduct a randomized trial
- Learn how to interpret the medical literature reporting on trial results

Leader: Mark Klebanoff

Randomized controlled trials are the gold standard for determining which treatments are superior. It is now almost universally required that randomized trials show new treatments to be superior to current therapy (or no therapy) before the new treatments are adopted. The objective of this workshop is for participants to understand principles of clinical trials including defining the question, assessing outcomes, defining the study and control treatments, developing inclusion and exclusion criteria, single versus multi-center trials, reasons for and methods of randomization and blinding, analysis strategies, and early stopping. The format will be didactic with extensive open discussion. We will base as much of the workshop as possible on real-world examples supplied by the participants themselves.

3:15pm–5:15pm

5806 Developing an Academic Pediatric Integrative Medicine Program

PAS Workshop ~ TCC, Room 712

Target Audience: Researchers, educators and clinicians interested in developing/supporting integrative medicine programs.

Objectives:

- What is an academic pediatric integrative program
- Challenges and solutions of developing and integrative program
- Information to guide the development of educational initiatives on pediatric integrative medicine

Leader: Sunita Vohra; Co-leaders: Timothy Culbert, Lawrence D. Rosen

Each workshop leader will provide an overview of the unique and common challenges they faced and the successes and failures they experienced while developing a pediatric integrative medicine program. They will discuss effective methods for developing and offering education on pediatric integrative medicine. Then participants will be given the opportunity to present their issues, problems or questions and working together the group will develop and discuss potential solutions, strategies and answers to the issues raised. This workshop is intended to provide a venue where knowledge and approaches to developing an academic integrative program can be exchanged and built upon. Each speaker will bring his/her unique perspective and experience associated with implementing an integrative program within his/her political setting, country, and field of medicine.

3:15pm–5:15pm

5808 Direct Observation of Residents in the Clinical Setting: How to Satisfy the RRC, Faculty, and Residents Without Going Nuts

PAS Workshop ~ TCC, Room 715A

Target Audience: Clinical faculty, program directors.

Objectives:

- Learn efficient strategies for direct observation of residents in the clinical setting
- Become comfortable with the use of a tool for guiding feedback and documenting observation
- Develop or modify a plan for a system of direct observation in your home institution

Leader: Ellie Hamburger; Co-leaders: Dale Coddington, Sandra Cuzzi, Angela Allevi, Lindsey Lane, Joseph Loepreiato

The Pediatric Residency Review Committee now mandates that all training programs include a component of direct observation of residents in several different clinical settings. Who has the time? How do we document? This workshop focuses on practical steps in implementing or modifying an existing program of observation. Participants will view video clips to practice using a tool that is easily adapted to a variety of clinical settings and incorporates the ACGME competencies. The modified Structured Clinical Observation (SCO) tool guides faculty to give trainees specific feedback on their clinical skills in a series of brief, structured observations, making efficient use of faculty and resident time. The workshop concludes with a game plan for introducing such a system when you head back home.

3:15pm–5:15pm

5810 Evidence-Based Medicine: Beyond the (Traditional) Journal Club (Cancelled)

PAS Workshop ~ TCC, Room 715B

Target Audience: Students, residents, junior and senior faculty members, and program directors interested in evidence-based medicine and curriculum development.

Objectives:

- Learn to teach the principles of Evidence-Based Medicine
- Learn to integrate the practice and teaching of Evidence-Based Medicine into their daily activities
- Learn to utilize existing Evidence-Based Medicine resources and tools

Leader: Casey L. Duca; Co-leaders: John S. Andrade, Steven D. Blatt, Julie Riccio

There is more to teaching EBM than the traditional monthly journal club. So, how do we teach it?

In this interactive workshop participants will explore the barriers to teaching EBM and share ideas on how to teach it. We will use case based scenarios and our experiences in EBM curriculum development as a basis for discussion. Specific emphasis will be placed on the challenges of integrating EBM into everyday clinical practice and teaching, and evaluating the impact of an EBM curriculum. Participants will review existing resources and tools and begin to develop a plan for implementing their own EBM curriculum. Participants will receive a CD-ROM including a summary of the referenced resources and tools to aid in curriculum development.

3:15pm–5:15pm

5812 How to Do More Rigorous Quality Improvement Implementation Research and Get It Published!

PAS Workshop ~ TCC, Room 206A

Target Audience: Student, residents and faculty mentors interested in improving the quality of pediatric care and having their results published.

Objectives:

- Learn about current debates in the science of quality improvement research
- Develop rigorous approaches to designing and evaluating quality improvement interventions
- Develop a brief set of guidelines for QII research

Leader: Denise Dougherty; Co-leaders: James Perrin, Frederick Rivara, Charles Irwin, Kevin Johnson, Timothy Ferris

The need to actively intervene to improve pediatric health care quality and to rigorously assess the results of interventions is great. Traditional clinical research designs and methods are often very difficult to use with QI interventions (QIIs) and alternative designs are often viewed as less rigorous and less acceptable to peers, funders, and journal editors. This workshop will identify current issues in the debate around QII research and methods. Groups of participants will develop research evaluation designs for selected QIIs, which will be discussed. Results of the discussion will be made available as a brief guide for QII researchers, and a list of next steps to build pediatric QII science.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

3:15pm–5:15pm

5816 So You are an Educator and Want to be Tenured? Academic Success for the Clinician Educator

PAS Workshop ~ TCC, Room 205C

Target Audience: Fellows, junior faculty, mid level faculty.

Objectives:

- Enhance understanding of the variations in promotion processes at institutions
- Demonstrate the usefulness of an educator portfolio for promotion of clinical educators

Leader: Latha Chandran; Co-leaders: Virginia Moyer, Lucy Osborn

Clinician educators often enter their academic careers with little understanding of the promotion process at their institutions. This workshop targeted to fellows and junior/midlevel faculty is intended to enhance participant knowledge of the variations in the promotions process at different academic institutions. It will highlight the value of an educator portfolio in the career development of a clinician educator through an interactive seminar, role playing and reflective exercises.

3:15pm–5:15pm

5818 Transgenic and Gene Knockout Methods in Mice

PAS Workshop ~ TCC, Room 703

Target Audience: Scientists and clinicians interested in familiarizing themselves with opportunities to modulate gene expression in mice through genomic alterations. The audience will be exposed to available resources to complete all steps of the process.

Objectives:

- Access web based bioinformatics resources
- Understand methods for generation of genetically altered mice
- Understand strengths and weaknesses of available methods

Leader: Louis Muglia; Co-Leader: Scott Saunders

Genetic analyses in mice provide a powerful approach to understanding fundamental areas of interest in pediatrics. Transgenic and gene knockout model systems in mice have advanced our understanding of developmental, physiological and cognitive processes difficult to mechanistically dissect in either lower organisms or humans. In this workshop, a practical framework for the design and production of genetically altered mice will be presented. Discussion will begin with availability of bioinformatic resources for DNA analysis and clone acquisition, and progress through consideration of construct production for pronuclear injection or introduction into embryonic stem cells. Limitations in interpretation of findings obtained in conventional transgenic or knockout animals will be reviewed, and methods to overcome these limitations with conditional knockouts or inducible transgenes will be presented.

3:15pm–5:15pm

5824 Fellowship Program Directors

APA Special Interest Group ~ TCC, Room 711

Chairs: Paul M. Darden, dardenpm@musc.edu; and Matthew Davis, mattdav@med.umich.edu

Issues that will be covered at this meeting are ways in which the SIG can support General Academic Pediatric Fellowship programs. Funding and curricular issues will be discussed with special attention to AHRQ and HRSA. We will identify opportunities for information sharing about program features (e.g., curricula), past trainees, current trainees and prospective trainees. What would you like to share of your program with others? SIG attendees are welcome to contact the SIG chair with other suggestions for agenda items. Target Audience: Program Directors or their representatives from general academic pediatric fellowship programs are welcome to attend this SIG. Paul Darden, dardenpm@musc.edu, 843-876-8512

3:15pm–5:15pm

5826 HIV/AIDS

APA Special Interest Group ~ TCC, Room 205A

Chairs: Lois Howland, lhowland@vcu.edu; and Nancy Hutton, nhutton@jhmi.edu

We will continue our work on HIV competencies in pediatric resident education. General pediatricians care for the broad population of infants, children, and adolescents affected by HIV. Key areas of generalist responsibility include management of HIV-exposed newborns, HIV counseling and testing in different age groups, communication with children about HIV, and providing support for bereaved children and siblings. Our meeting goal is to review key competencies in generalist HIV

education that respond to the ACGME core competencies and to consider next steps in curriculum development and dissemination.

3:15pm–5:15pm

5827 Newborn Nursery

APA Special Interest Group ~ TCC, Room 706

Chair: Linda Diane Meloy, lmeloy@mail2.vcu.edu

The newborn nursery Sig will concentrate on teaching and evaluation aides. Bonny Whalen, MD, of our educational committee will present the tools and methods that her group has developed to share and to create a teaching CD for the newborn nursery teaching rotation. Sample modules will be discussed and strengths and weaknesses explored. Attendees will be encouraged to share their favorite methods and new innovative methods will be demonstrated.

Electronic medical records form a foundation for excellent documentation, teaching and databases for research. The newborn record provides an ideal template for a record. Gary Emmert will demonstrate his record.

3:15pm–5:15pm

5828 Race in Medicine

APA Special Interest Group ~ TCC, Room 205D

Chairs: Iris Renee Mabry-Hernandez, imabry@ahrq.gov; and Suzette Oyeku, soyeku@montefiore.org

Patient Experiences of Medical Errors: How Can We Address Patient Safety and Reduce Racial/Ethnic Disparities in Health Care?

In 1999, the Institute of Medicine released the report *To Err Is Human: Building a Safer Health System*, which focused on patient safety. Disparities associated with race, ethnicity, and socioeconomic status remain in the health care system and affect the health care quality of many Americans.

SIG participants will view “When Things Go Wrong: Voices of Patients and Families,” a film featuring vignettes of patients sharing the impact of medical errors on their lives. Following the film, we will explore the intersection between patient safety and health disparities and discuss strategies to address patient safety along with related research opportunities.

4:00pm–7:30pm

Commercial Exhibits Open and Posters Available for Viewing

TCC, Exhibit Hall E

Posters Available for Viewing: 4:00pm–7:30pm

Author Attendance: 5:15pm–7:15pm

JOIN US!

PAS Opening Poster Session and Reception

5:15pm–7:15pm

Exhibit Hall E

Toronto Convention Center

Author Poster Set Up: 3:00pm–4:00pm

Poster Removal: 7:30pm–8:00pm

Available for Viewing: 4:00pm–7:30pm

Author Attendance: 5:15pm–7:15pm

Genetic/Inborn Errors of Metabolism

5860 Newborn Screening & High Throughput Methods

- 1 International Efforts in Newborn Screening: Establishing a Newborn Screening Network in the Middle East and North Africa.** Gilian H. Engelson, Danuta Krotoski, James W. Hanson, R. Rodney Howell. *Publication 5860.1*
- 2 Newborn Screening Research Activities at the National Institutes of Health.** R. Rodney Howell, Gilian H. Engelson, James W. Hanson. *Publication 5860.2*
- 3 Do Newborns with Inborn Errors of Cobalamin Who Are Identified through Newborn Screening Have a Better Outcome?** Patricia A. Galvin-Parton, Davina Prakash, Maria Puangco, Jody Weiss. *Publication 5860.3*
- 4 Follow-Up Studies of Infants with Positive Newborn Screens for Medium-Chain Acyl-CoA Dehydrogenase Deficiency (MCADD).** J. Neidich, D. Salazar, R. Owen, R. Sharma, C. Strom. (Sponsored by Jon M. Nakamoto) *Publication 5860.4*
- 5 Development of a Novel, Automated, High Throughput Technique for the Diagnosis of Fragile X Syndrome.** Donghui Huang, Yuanjin Li, Steven Potts, Weimin Sun, Charles Strom. (Sponsored by Jon M. Nakamoto) *Publication 5860.5*

5861 Inborn Errors of Metabolism

- 6 **Natural History of Japanese Heterozygotes with Fabry Disease.** Masahisa Kobayashi, Toya Ohashi, Hiroyuki Ida, Yoshikatsu Eto. *Publication 5861.1*
- 7* **Generation of a Chimeric Mouse with Low Hepatic Glycerol Kinase Activity: Understanding the Pathogenesis of Glycerol Kinase Deficiency.** Motomichi Kosuga, Nicole K. Hendersen-Maclennan, Yao-Hua Zhang, Markus Grompe, Edward R.B. McCabe. *Publication 5861.2*
- 8* **Long Chain 3-Hydroxyacyl-CoA Defect in Mice Is Embryonic Lethal and Causes Male Subfertility in Heterozygous Mice.** Jerry J. Angdisen, Eric M. Walters, Raad S. Gitan, Jamal A. Ibdah. (Sponsored by Arnold Strauss) *Publication 5861.3*

APS/SPR Student Research Program Awardee

Lindsey Herrel

- 9* **Identification of Novel Mutations in the Medium Chain Acyl-CoA Dehydrogenase Gene in a Heterogenous Population.** Lindsey A. Herrel, Chonan Tokunaga, Zaza Khuchua, Arnold W. Strauss. *Publication 5861.4*
- 10 **Recombinant Adeno-Associated Virus Mediated Acyl coA Dehydrogenase (ACD) Gene Replacement in Deficient Mouse Models.** Stuart Beattie, Eric Goetzmann, Martha Campbell-Thompson, Travis Cossette, Thomas Conlon, Dietrich Matern, Gerard Vockley, Terence Flotte. *Publication 5861.5*
- 11 **Carnitine Biosynthetic Enzymes in the Gastrointestinal Tract.** Srinivas R. Sonne, Alva L. Carter, Dietrich Matern, Vadivel Ganapathy, Prem S. Shekhawat. *Publication 5861.6*

5862 Syndromes

- 12 **A New Syndromic Craniosynostosis with Involvement of the Spine, Long Bones, Pelvis and Digits.** Alan L. Shanske, David A. Staffenberg, James T. Goodrich. (Sponsored by Philip Ozuah)*Publication 5862.1*
- 13* **The Geneticist's View of Legg-Calvé-Perthes Disease: A Case Report That Suggests the Need To Screen for Inherited Thrombophilias.** Natasha Shur, Robert Marion. (Sponsored by Philip Ozuah)*Publication 5862.2*
- 14* **Johanson-Bizzard Syndrome (JBS) Associated with Severe Insulin Resistant Diabetes Mellitus, Hypogonadotropic Hypogonadism, and Hirschsprung's Disease.** Janet Sullivan, Kristin Koehn, Bert Bachrach. *Publication 5862.3*
- 15 **Mosaic Trisomy 7 in a Patient with Features Suggestive of a Mitochondriopathy.** Erin B. Nicholas, Madelena Martin, Jingwei Yu, Elliott Sherr, Seymour Packman. *Publication 5862.4*
- 16 **Mitochondrial Depletion Syndrome Due to an *MPV17* Mutation.** Darius J. Adams, David Clark, Douglas S. Kerr, William J. Craigen, Lee-Jun Wong. *Publication 5862.5*
- 17 **Molecular Diagnosis and Heterogeneity in LADD Syndrome.** Jeff M. Milunsky, Geping Zhao, Randall Colby, David B. Everman, Jeffrey Innis, Michael Netzloff, Tom A. Maher. *Publication 5862.6*
- 18 **Dysphagia in Smith-Lemli-Opitz Syndrome: Evaluation and Correlation with Plasma Sterols.** M.J. Merkens, N. Sinden, C. Brown, L.S. Merkens, J.B. Roulet, J. Penfield, J. Jordan, R.D. Steiner. *Publication 5862.7*
- 19 **Sensory Deficits Are Common in Children with Smith-Lemli-Opitz Syndrome.** C.A. Phillipi, N.M. Carmichael, J.A. Penfield, J.-B. Roulet, W.E. Connor, J.T. Stout, R.D. Steiner. *Publication 5862.8*

5863 Perinatal & Ethical Topics

- 20 **Multiple Congenital Anomalies in Preterm and Term Neonates: A Population Based Study.** David Bader, Marta Grun, Irena Chistyakov, Amir Kugelman, Andrei Grunfeld, Paul Merlob. (Sponsored by Imad R. Makhoul) *Publication 5863.1*
- 21* **Effects of Hormone Induced Superovulation on Imprinted Gene Expression in Mice.** Mai T. Phung, Scott V. Dindot, Arthur L. Beaudet. *Publication 5863.2*
- 22* **Pontocerebellar Hypoplasia: Ethical and Prenatal Diagnostic Dilemma.** Ayodeji J. Ajibola, Said A. Omar. *Publication 5863.3*
- 23 **Disclosure of "Unwanted" Genetic Information To Benefit a Family Member.** Blanche P. Alter, Colleen C. Denny, June A. Peters, Neelam Giri, Benjamin S. Wilfond. *Publication 5863.4*

5864 Genetics of Sudden Infant Death Syndrome (SIDS)

- 24* **Genetic Variation in *5-HT_{1A}* Gene and Sudden Infant Death Syndrome.** Megan E. Morley, Casey M. Rand, Elizabeth M. Berry-Kravis, Lili Zhou, Wenqing Fan, Debra E. Weese-Mayer. *Publication 5864.1*
- 25* **Serotonin Transporter Gene (*5HTT*) Promoter Polymorphism in Sudden Infant Death Syndrome (SIDS).** Chenni S. Sriram, David J. Tester, Michael J. Ackerman. *Publication 5864.2*
- 26 **Sudden Infant Death Syndrome: Rare Mutation in the Serotonin System *FEV* Gene.** Casey M. Rand, Elizabeth M. Berry-Kravis, Lili Zhou, Wenqing Fan, Debra E. Weese-Mayer. *Publication 5864.3*

Hematology/Oncology (PAS/ASPHO)

5865 Red Blood Cells

- 27 **Transfusional Iron Overload in Pediatric Oncology.** Stephen C. Nelson, Anne E. Bendel, Joanna L. Perkins. *Publication 5865.1*
- 28* **Novel G6PD Mutation Leading to Chronic Hemolytic Anemia.** Jenny McDade, Tatiana Abramova, Nicole Mortier, Thad Howard, Russell E. Ware. *Publication 5865.2*
- 29 **An Economic Analysis of Anemia Prevention Using Reticulocyte Hemoglobin Content (CHR).** Henry Bernstein, Sarah Isbey, Christina Ullrich, Marcus Shaker. *Publication 5865.3*
- 30 **IDA during Infancy Alters Central Nervous System Dopamine Functioning: Serum Prolactin Levels after Venipuncture in Infants.** Mirjana Dimitrijevic, Betsy Lozoff, Yuezhou Jing, Amy Hurst, Barbara T. Felt. *Publication 5865.4*
- 31* **Maternal Activity and Care of Pups: Effect of Iron Deficiency Anemia.** Amy Hurst, Mirjana Dimitrijevic, Cong Li, Nan Xiang, Betsy Lozoff, Barbara Felt. *Publication 5865.5*
- 32 **Regression of Dilated Cardiomyopathy after Switching Iron Chelator from Deferoxamine (DFX) to Deferiprone (L1).** Jeng S. Chang, Yu C. Huang, Kang H. Wu, Ching T. Peng, Bai H. Su, Tsu F. Yeh. *Publication 5865.6*
- 33 **The Once-Daily Oral Iron Chelator Deferasirox (Exjade®, ICL670) Is Effective and Generally Well Tolerated during Long-Term Treatment in Pediatric Patients.** E. Vichinsky, C. Paley, on Behalf of the Exjade 106, 107, 108 and 109 Investigators. *Publication 5865.7*
- 34 **Iron Chelating Efficacy Is Related to Transfusional Iron Intake in Pediatric Patients Treated with Deferasirox (Exjade®, ICL670).** A. Kattamis, C. Paley, on Behalf of the Study 107 Investigators. *Publication 5865.8*
- 35 **Ciclopirox and Deferiprone as Probes for Protein Hydroxylating Enzymes and Their Biomarkers.** Olga A. Kovalenko, Stacy Zamudio, Nick Illsley, Darlene D'Alliessi-Gandolpho, Elmer David, Hartmut M. Hanauske-Abel. *Publication 5865.9*

5866 Solid Tumor

- 36* **A Novel Small Molecular Inhibitor Targets MDM2 Inducing Apoptosis in Embryonal and Alveolar Rhabdomyosarcoma Cells with Wild-Type p53.** Jason Canner, Ke Ding, Shaomeng Weng, Dajun Yang, Jiayuh Lin. *Publication 5866.1*
- 37* **Alternatively Spliced Forms of the p53 Modulators MDM2 and MDM4 Are Prevalent in Pediatric Rhabdomyosarcomas.** Dennis M. O'Brien, Dawn S. Chandler. *Publication 5866.2*
- 38 **MKP-1 Is a Potential Target for Molecular Therapies To Overcome Cisplatin Resistance in Osteosarcoma.** Zhihong J. Wang, Gensheng Wu, Junying Zhou, Yaddanapudi Ravindranath. *Publication 5866.3*
- 39 **The Euramos Osteosarcoma Study.** Mark L. Bernstein, Neyssa Marina. *Publication 5866.4*
- 40* **PAX3 Is Expressed during Kidney Development and in Wilms Tumor.** Pierre-Alain Hueber, Ryuji Fukuzawa, Chu Lee lee, Shujie He, Anthony Reeve, Michael Eccles, Paul R. Goodyer. *Publication 5866.5*
- 41* **Liposarcoma in Children and Young Adults: The M.D. Anderson Cancer Center Experience.** Carrie H. Yuen, Shreyaskumar Patel, Andrea Hayes-Jordan, Cynthia E. Herzog, Winston W. Huh. *Publication 5866.6*
- 42* **Intacavitary Cisplatin for Recurrent Unresectable Pediatric Malignancies.** Sarah Petricca, Howard Katzentein, Louis Rapkin, Bradley George, William Woods, Thomas Olson. *Publication 5866.7*
- 43* **A 3-Dimensional Bio-Mimetic Model of Metastases.** Su Young Kim, Susan H. Garfield, Stephen M. Wincovitch, Sung Hyeok Hong, Isaac A. Darko, Wan-Ju Li, Rocky S. Tuan, Chand Khanna, Lee J. Helman. *Publication 5866.8*
- 44 **Successful Use of Bevacizumab in Life Threatening Steroid-Resistant Infantile Hepatic Hemangioendothelioma.** Stephen C. Nelson, Bruce C. Bostrom. *Publication 5866.9*

5867 Sickle Cell Disease

- 45* **8 Year Follow-Up of Newborn Hemoglobin Screening in California: Report from the Hemoglobinopathy Laboratory at Children's Hospital Oakland (CHORI).** J. Michlitsch, M. Azimi, E. Vichinsky, C. Hoppe. *Publication 5867.1*
- 46* **Quality of Hospital Care for Children with Sickle Cell Disease.** Jared Kam, Julie A. Panepinto, David C. Brousseau. *Publication 5867.2*
- 47* **Low Risk of Meperidine-Induced Seizures in Children with Sickle Cell Disease.** Gretchen Zsebik, Mary Ann O'Riordan, Brian Berman, Anthony Villella. *Publication 5867.3*
- 48* **Sickle Cell Disease in Children: Osteomyelitis or Vaso-Occlusive Crises?** Elizabeth Berger, Natasha Saunders, Amina Khambalia, Jeremy N. Friedman. *Publication 5867.4*
- 49 **Extended Hospitalization during a Vasoocclusive Episode: Risk Factors in Children with Sickle Cell Disease.** William T. Zempsky, Kristin A. Loiselle, Gabriella L. Blake, J. Nathan Hagstrom, Neil L. Schechter, Zeev Kain. *Publication 5867.5*
- 50 **Treatment of Acute Chest Syndrome in Children with Sickle Cell Disease with Dexamethasone Plus Transfusion Therapy: A Single Institution Experience.** Michael S. Isakoff, Alyssa Lillo, Nathan Hagstrom. *Publication 5867.6*
- 51 **Resolution of Chronic Hypoxemia in Sickle Cell Patients after Treatment with Hydroxyurea.** Sharon A. Singh, Banu Aygun, Anastassios C. Koumbourlis. *Publication 5867.7*

- 52 **Impact of Hydroxyurea on Thrombin Generation and Vaso-Occlusive Crisis in Children with Sickle Hemoglobinopathy.** Mohsen S. Elalfy, Ashraf M. Abdelmonem, Soha Youssef, Heba Ismail. (Sponsored by Fawwaz Khalid Yassin) *Publication 5867.8*
- 53* **Hydroxyurea Pharmacokinetics in Children with Sickle Cell Anemia.** Virginia L. Harrod, Alex Sparreboom, Mortier Nicole, Strawn Susan, Thad Howard, Russell E. Ware. *Publication 5867.9*
- 54 **Prevalence of Pulmonary Hypertension in Children with Sickle Cell Disease.** F. Pashankar, J. Carbonella, A. Bazyzy-Asaad, A. Friedman. (Sponsored by Jack Van Hoff) *Publication 5867.10*
- 55* **Pulmonary Hypertension in Children and Adolescents with Sickle Cell Disease.** Aziza S. Sedrak, Sreedhar P. Rao, Scott T. Miller, Vahid Hekmet, Madu Rao. *Publication 5867.11*
- 56 **Follow-Up after Initial Screening of Pulmonary Hypertension in Children with Sickle Cell Disease.** M.T. Lee, E. Berman Rosenzweig, M. Licursi, M.S. Cairo, R. Barst. *Publication 5867.12*
- 57 **Prospective Assessment of Pulmonary Hypertension in Children with Sickle Cell Disease.** Craig Sable, Caterina Minniti, Oswaldo Castro, Tracy Boswell, Onyinye Onykwere, Sohail Rana, Victor Gordeuk. *Publication 5867.13*
- 58* **Low Six Minute Walk Distance in Children with Sickle Cell Disease Suggests Decreased Exercise Tolerance Related to Hemolytic Manifestations of Disease.** Steven J. Ambrusko, Beth A. Windsor, Allison Sakara, Sriya Gunawardena, Lakshmanan Krishnamurti. *Publication 5867.14*
- 59* **T Cell Subsets and T Cell Receptor CD3 Zeta Chain Expression in Sickle Cell Disease and the Effect of L-Arginine Supplementation: Preliminary Results.** Arnette Scavella, Renee Gardner, Lily Leiva, Hanh Monjure. *Publication 5867.15*
- 60 **Erythrocyte Glutamine Depletion and Altered Redox Environment in Pulmonary Hypertension of Sickle Cell Anemia.** Claudia R. Morris, Jung H. Suh, Sandra Larkin, Martin H. Steinberg, Elliott P. Vichinsky, Mark Shigenaga, Bruce Ames, Frans A. Kuypers, Elizabeth S. Klings. *Publication 5867.16*
- 61 **Soluble Transferrin Receptor as a Marker of Response to Therapy in Children with Sickle Cell Disease (SCD) and Iron Deficiency.** Rishi R. Lulla, Robert I. Liem, Alexis A. Thompson. *Publication 5867.17*
- 62 **The Relationship between Hcpicidin and Iron Overload in Sickle Cell Anemia.** Jonathan M. Flanagan, Shirley Steward, Thad Howard, Jane Hankins, Russell E. Ware. *Publication 5867.18*

5868 Hematology - Miscellaneous

- 63* **Differences in Absolute Leukocyte Counts among African American, Mexican American and Caucasian Children & Adolescents in the United States.** Ana C. Xavier, Xinguang Chen, Merlin R. Hamre. (Sponsored by Sureyya Savasan) *Publication 5868.1*
- 64 **The Molecular Basis for Hereditary Folate Malabsorption.** Andong Qiu, Michaela Jansen, Antoinette Sakaris, Sang Hee Min, Shrikanta Chattopadhyay, Eugenia Tsai, Claudio Sandoval, Rongbao Zhao, Myles H. Akabas, Ira D. Goldman. *Publication 5868.2*
- 65* **Depletion of the Shwachman-Diamond Syndrome Protein, SBDS May Sensitize Cells to p53-Mediated Apoptosis.** Gulay Sezgin, Abdallah Nihrane, Johnson M. Liu. (Sponsored by Jeffrey M. Lipton) *Publication 5868.3*

5869 Leukemia & Lymphoma

- 66* **Novel Technique To Detect Loss of Heterozygosity (LOH) in Childhood Leukemia.** Joshua Schiffman, Katrina Welch, Gary Dahl, Norm Lacayo, Ron Davis, Jim Ford, Hanlee Ji. *Publication 5869.1*
- 68* **Enhanced Differentiation of Human Monocytic Leukemia Cells to Dendritic Cells by *Ganoderma lucidum* Polysaccharides.** Christopher C. Cheung, Wing Keung Chan, Godfrey C.F. Chan. (Sponsored by Po-Yin Cheung) *Publication 5869.3*
- 69* **The Adverse Effects of Hyperglycemia in Childhood Acute Lymphocytic Leukemia.** Rona Yoffe, Judith F. Margolin, Mehmet F. Okcu, Jinrong Yan, Siripoom V. McKay, Morey W. Haymond. *Publication 5869.4*
- 70* **Impact of Prolonged PTT/INR Testing on Pediatric ALL Patients Undergoing Surgery (Including Lumbar Punctures).** David Knox, Christopher Samuel, Oussama Abla, Ron Grant, Manuel Carcao. *Publication 5869.5*
- 71 **Measurement of Cerebrospinal Fluid Protein Is Unnecessary in Children with Leukemia.** Ashley Barber, James Lovato, Garick Hill, Thomas W. McLean. *Publication 5869.6*
- 72 **Standardized Family History May Predict Thromboembolic Events (TEE) in Children with High Risk Acute Lymphoblastic Leukemia (ALL).** Jennifer H. Vincent, Kapil Saxena, William H. Meyer, Rene Y. McNall-Knapp. *Publication 5869.7*
- 73* **A Novel Design in Detecting Minimal Residual Pediatric Non-Hodgkin Lymphoma.** Melissa A. Agsalda, Ian Kusao, David Troelstrup, Bruce Shiramizu. *Publication 5869.8*
- 74 **Does Mediastinal Lymphadenopathy Increase the Risk of Thromboembolism in Children with Lymphoma?** Anees Khan, Kim Nagel, Anthony A.K.C. Chan, Uma H. Athale. *Publication 5869.9*
- 75* **Absolute Lymphocyte Count Predicts Outcome in Pediatric Patients with Non-Hodgkin's Lymphoma.** Alejandro G. Levy, Romina Sabella-River, Maurizio L. Ghisoli, Guillermo R. DeAngulo, Shana M. Palla, Cesar A. Nunez, Peter M. Anderson, Patrick A. Zweidler-McKay. *Publication 5869.10*

5870 Stem Cell Transplantation

- 76 **Outcome of Hematopoietic Stem Cell Transplantation for Pediatric Acute Lymphoblastic Leukemia in Third Complete Remission (CR3): A Vital Role for Graft-Versus-Host-Disease/Graft-Versus-Leukemia Effect in Survival.** Adam Gassas, Samina Afzal, M. Kashif Ishaqi, Annie Dupuis, John Doyle. *Publication 5870.1*
- 77 **Outcome of Matched Sibling Donor Hematopoietic Stem Cell Transplantation for Standard Risk Pediatric Acute Myelogenous Leukemia in First Complete Remission (CR1).** Adam Gassas, Samina Afzal, M. Kashif Ishaqi, Annie Dupuis, John Doyle. *Publication 5870.2*
- 78* **Alternative Donor Transplantation for Patients with Acute Lymphoblastic Leukemia Using Campath in a Myeloablative Conditioning Regimen.** Alana A. Kennedy-Nasser, Gary D. Myers, Kathryn S. Leung, Heidi Weiss, Stephen Gottschalk, Catherine M. Bollard, Helen E. Heslop, Malcolm K. Brenner, Robert A. Krance. *Publication 5870.3*
- 79* **Important Role for Absolute Lymphocyte Count in Predicting Risk of Relapse in Pediatric Acute Lymphoblastic Leukemia Post Allogeneic Hematopoietic Stem Cell Transplantation.** Mohammed Kashif Ishaqi, Samina Afzal, Annie Dupuis, John Doyle, Adam Gassas. *Publication 5870.4*
- 80* **Role of Lymphocyte Recovery after Allogeneic Hematopoietic Stem Cell Transplantation in Predicting Relapse in Pediatric Acute Leukemias.** Samina Afzal, Mohammed Kashif Ishaqi, Annie Dupuis, John Doyle, Adam Gassas. *Publication 5870.5*
- 81 **Routine Chest Radiography Is Not Useful in the Initial Evaluation of Febrile Patients Undergoing Stem Cell Transplantation.** Jennifer A. Cox, Gevel Jackson, Susan McCollum, Victor M. Aquino. *Publication 5870.6*
- 82 **Delayed Administration of Filgrastim (G-CSF) Following Autologous Peripheral Blood Stem Cell Transplant (APBSCT) in Pediatric Patients Does Not Change Time to Neutrophil Engraftment and Reduces Use of G-CSF.** Vinita Pai, Soledad Fernandez, Melissa Laudick, Robin Rosselet, Amanda Termuhlen. *Publication 5870.7*
- 83* **Preemptive Antiviral Therapy for HBV or HCV Reduces the Risk for Developing Liver GVHD and GVHD Related Mortality in Children after Allogeneic Bone Marrow Transplant.** Ibrahim Ahmed, Alaa El Haddad, Manal El Sayed, Hadir El Mahalawy, Xinguang Chen. (Sponsored by Sureyya Savasan) *Publication 5870.8*
- 84* **Pericardial Effusion (PEF) in Pediatric Stem Cell Transplantation (SCT) Recipients Is Associated with a Significant Decrease in Survival.** Michelle Neier, Monica Bhatia, Leah Baldinger, Eric Silver, Erin Morris, Carmella van de Ven, Charles Kleinman, Mitchell S. Cairo. *Publication 5870.9*
- 85 **Low Molecular Weight Heparin (LMWH) Prophylaxis (PPX) in Pediatric Recipients Following Myeloablative Stem Cell Transplantation (SCT) at High Risk for Sinusoidal Obstructive Syndrome (SOS).** Kim Rogoza, Monica Bhatia, Leah Baldinger, Carmella van de Ven, Olga Militano, Mitchell S. Cairo. *Publication 5870.10*
- 86 **Ex Vivo Alloantigen-Specific Costimulatory Blockade in Haploidentical Bone Marrow Transplantation (BMT)-Results of a Pilot Clinical Study.** Jeff K. Davies, Lisa L. Brennan, Lee M. Nadler, Eva C. Guinan. *Publication 5870.11*
- 87* **G-CSF Mobilized Human Peripheral Blood Contains Adherent Cells with Mesenchymal Stem Cell (MSC)-Like Properties and Have Telomere Limited Growth In Vitro.** Troy C. Lund, Lisa Basso, Paul J. Orchard. *Publication 5870.12*

5871 Supportive

- 88 **Herpes Simplex Virus in Children Undergoing Chemotherapy for Cancer: A Prospective Cohort Study.** Raveena Ramphal, Ronald M. Grant, Biljana Dzolganovski, Julie Constantin, Raymond Tellier, Upton Allen, Sheila Weitzman, Ann Matlow, Martin Petric, Lillian Sung. *Publication 5871.1*
- 89 **Effect of Neutrophil Count and Central Venous Access Device on Bacteremia in Febrile Pediatric Oncology Patients.** Jeffrey H. Schwartz, Gregory Griffin, Stacey Armatti-Wiltout, Gabriela Ramirez-Garnica, Eric Sandler. *Publication 5871.2*
- 90 **Community Acquired Influenza Infections among Hospitalized Children with Cancer.** Leslie S. Kersun, Susan E. Coffin, Kateri Heydon, Mary Ingram, Anne F. Reilly. *Publication 5871.3*
- 91 **Outpatient Therapy for Fever and a Central Venous Catheter in Children with Cancer.** Anne F. Reilly, Philip Spandorfer, Evaline Alessandrini, Beverly J. Lange. *Publication 5871.4*
- 92* **Efficacy of Current Standard Antiemetic Therapy for High Dose Chemotherapy in Pediatric Cancer Patients at the Children's Hospital of Pittsburgh.** Megha A. Shah, Arthur K. Ritchey. *Publication 5871.5*
- 93* **Associations between Cancer and Affective Disorders in Pediatric Hospitalizations.** M. Mullins, J. Gurney, A. Gebremariam, M. Davis. *Publication 5871.6*

Nephrology (PAS/ASP/PHA)

5872 Hypertension

- 94 **Association of TNF- α with Hyperinsulinemia in Pediatric Patients with Chronic Kidney Disease.** Hsiao L. Lai, Mark Mitsnefes. *Publication 5872.1*
- 95 **Evidence of Glomerular Hyperfiltration in Obese Non-Diabetic Youth.** J.D. Nesmith, M. Ilyas, C. Jo, J.M. Gossett, P. Simpson, T.G. Wells. *Publication 5872.2*
- 96* **Albumin Excretion Rate (AER) in Normal Adolescents Compared to Type 1 Diabetes Mellitus (T1DM) Adolescents.** Erin Rademacher, Michael Mauer, David R. Jacobs, Jr, Blanche Chavers, Alan Sinaiko. *Publication 5872.3*

- 97* **Relationship of Adiponectin to 24-Hour Ambulatory Blood Pressure (ABP) in Obese Adolescents with and without Type II Diabetes (T2DM).** Ibrahim F. Shatat, Pamela R. Schaffer, Katherine D. Freeman, Joan DiMartino-Nardi, Joseph T. Flynn. *Publication 5872.4*
- 98* **Should Ambulatory Blood Pressure Monitoring (ABPM) Be Used To Identify Pre-Hypertension (pHTN)?** Pamela Schaffer, Joseph Flynn. *Publication 5872.5*
- 99* **Association of Left Ventricular Hypertrophy and Sleep Disordered Breathing in Children and Adolescents with Essential Hypertension.** Alisa A. Acosta, Monesha Gupta-Malhotra, Richard J. Castriotta, Ronald J. Portman, Karen L. McNiece. *Publication 5872.6*
- 100* **Regression of Left Ventricular Hypertrophy in Children with Essential Hypertension.** Joseph R. Angelo, Monesha Gupta-Malhotra, Ronald J. Portman, Cynthia Bell, Karen L. McNiece. *Publication 5872.7*
- 101 **Effects of Antihypertensive Therapy on Left Ventricular Mass in Hypertensive Children with Left Ventricular Hypertrophy.** Juan C. Kupferman, Mary E. Golden, Irene Lytrivi, Prema Ramaswamy. *Publication 5872.8*
- 102* **Overweight and Stage1 Hypertension in Children Does Not Preclude Secondary Hypertension – A Mid-West Pediatric Nephrology Consortium Report.** Gaurav Kapur, Maheen Ahmed, Tej Mattoo, Mark Mitsfenes, Myra Chiang, Cynthia Pan, Janis Kartal, Michelle Kopf, Theresa Kump. *Publication 5872.9*
- 103 **Effectiveness and Safety of Valsartan (VAL) in Hypertensive Children Ages 6-16 Years.** T. Wells, J. Blumer, M. Litwin, S. Solar-Yohay, V. Shi, Pediatric VAL Study Grp. *Publication 5872.10*
- 104 **Variation in Pharmacologic Management of Primary Hypertension by Subspecialty Physicians.** Esther Y. Yoon, Matthew M. Davis, Gary L. Freed. *Publication 5872.11*
- 105 **Recognition of Abnormal Pediatric Blood Pressure in Primary Care.** Douglas J. McLaughlin. (Sponsored by Judith A. Groner) *Publication 5872.12*
- 106* **Evaluation and Treatment of Hypertension (HTN) in General Pediatric Practice.** Alexis Boneparth, Joseph Flynn. *Publication 5872.13*
- 107* **Renal Ultrasound Versus DMSA Scan in Children with Hypertension.** Maheen Ahmed, Daniel Eggleston, Gaurav Kapur, Amrish Jain, Rudolph P. Valentini, Tej K. Mattoo. *Publication 5872.14*
- 108* **Chronic Exposure to Dopamine Stimulates Na-K-ATPase Pump in Proximal Tubule Cells.** Sudha Garimella-Krovi, Triv Rajkhowa, James Springate, Mary Taub. *Publication 5872.15*
- 109 **Efficacy and Safety of Valsartan (VAL) in Hypertensive Children <6 Years (Y) Old.** J. Flynn, K. Meyers, J. Ribeiro Neto, S. Solar-Yohay, V. Shi, Pediatric Valsartan Study Group. *Publication 5872.16*
- 110 **Treatment of Obesity Hypertension in Pediatric Patients on South Carolina Medicaid.** Abdullh Sakarcan. *Publication 5872.17*
- 111* **The Cost Effectiveness of Ambulatory Blood Pressure Monitoring (ABPM) in the Initial Evaluation of Hypertensive Children.** Sarah J. Swartz, Poyyapakkam R. Srivaths, Daniel I. Feig. *Publication 5872.18*

5873 Nephritis / Nephrosis

- 112* **IgM Nephropathy: A Subtype of Nephrotic Syndrome.** Sarah J. Swartz, Daniel I. Feig. *Publication 5873.1*
- 113 **Previously Unreported COL 4A3 Mutations in African-American Sibs with Autosomal Recessive Alport Syndrome.** Radhakrishna Baliga, Christopher A. Friedrich. *Publication 5873.2*
- 114* **Phenotypical Relevance of the Y402H Mutation of Factor H in Children with Complement Based MPGN II/DDD and aHUS.** Rajesh G. Krishnan, Christina Gerth, Thomas Dietlein, Bernd Hoppe, Elise Heon, Peter F. Zipfel, Christoph Licht. (Sponsored by Norman Rosenblum) *Publication 5873.3*
- 115* **Rituximab Therapy for Refractory Systemic Lupus Erythematosus in Children.** Obioma Nwobi, Carolyn L. Abitbol, Jayanthi Chandar, Washaree Seeherunvong, Gaston Zilleruelo. *Publication 5873.4*
- 117 **Demographics of End-Stage Renal Disease in Children, Adolescents and Young Adults with HIV-Infection.** Kevin D. McBryde, Jianping He, Robert J. McCarter, Jeffrey B. Kopp, Paul L. Kimmel, Patricio E. Ray, Susan L. Furth. *Publication 5873.6*
- 118 **End-Stage Renal Disease Associated Mortality in Children, Adolescents and Young Adults with HIV-Infection.** Kevin D. McBryde, Jianping He, Robert J. McCarter, Jeffrey B. Kopp, Paul L. Kimmel, Patricio E. Ray, Susan L. Furth. *Publication 5873.7*
- 119 **Novel Urinary Biomarkers To Follow the Progression of Childhood HIV-1 Associated Nephropathy.** Angel A. Soler-Garcia, Natella Rakhmanina, Ray E. Patricio. *Publication 5873.8*
- 120* **Renal Replacement Therapy (RRT), Measures and Outcomes in Human Immunodeficiency Virus Associated Nephropathy (HIVAN).** Roberto Gordillo, Marcela Del Rio, Joseph T. Flynn, Robert P. Woroniecki. *Publication 5873.9*
- 121 **Diurnal Patterns of Urinary Total Protein Excretion in Children.** Aaron P. Jacobs, Craig S. Wong, Francesca Kelly, Hengameh H. Raissy, Nancy Greger, Ellen Kaufman, John R. Brandt. *Publication 5873.10*
- 122* **Osteopontin (OPN) Expression in Focal Segmental Glomerulosclerosis (FSGS).** Shefali Mahesh, Katarina Supe, Zhongfang Du, David B. Thomas, Markus Bitzer, Robert P. Woroniecki. *Publication 5873.11*

- 123*** **Class 3 Semaphorins in Kidney Disease.** Kimberly Reidy, Guillermo Villegas, Niranjan Thiruvur, Katalin Susztak, Alda Tufro. *Publication 5873.12*
- 124** **α B-Crystallin and Hsp25 Modulate the Protective Effects of Glucocorticoids on Podocytes.** Richard F. Ransom, Tad E. Eichler. (Sponsored by William Smoyer) *Publication 5873.13*
- 125** **Glomerular Hsp27 Induction Represents a Generalized Podocyte Stress Response in Both Humans and Animal Models of Nephrotic Syndrome.** Richard F. Ransom, Tad Eichler, Harry Holthofer, Arvi-Matti Kuusniemi, Hannu Jalanko, Peter Mundel, William E. Smoyer. *Publication 5873.14*
- 126*** **FAK-Mediated ERK Phosphorylation Requires P21-Activated Kinase (PAK) in Human Kidney Mesangial and Epithelial Cells.** Sara E. Jandeska, Tomoko Hayashida, H. William Schnaper. *Publication 5873.15*
- 127*** **Cyclic Stretch Induces ERK and Smad3 Phosphorylation in Human Mesangial Cells: Relation to Transforming Growth Factor (TGF)- β -Stimulated Fibrogenesis.** J.F. Curley, H.W. Schnaper. *Publication 5873.16*
- 128** **Angiogenesis Inhibition by Thrombospondin-1 Cyclophosphamide-Treated Pediatric Nephrotic Syndrome.** Avram Z. Traum, Asher D. Schachter. *Publication 5873.17*
- 129** **Complement Dependence of Interstitial Collagen Deposition in Experimental Immune Complex Glomerulonephritis (GN).** Thomas R. Welch, Frank A. Middleton, Karen L. Gentile, Lisa W. Blystone. *Publication 5873.18*
- 130** **Mechanics of Progress with Novel Therapies for Resistant Focal Segmental Glomerulosclerosis.** A. Thompson, M. Dike, S. Vento, H. Trachtman, D.S. Gipson, T. Greene, J. Gassman, A. Friedman, N. Seigel. *Publication 5873.19*
- 131*** **Incidence and Risk Factors of Deep Venous Thrombosis in Children with Nephrotic Syndrome.** Beng Fuh, Bryce Kerlin, Carol Blanchong, Neal Blatt, Shuang Zhao, Jennifer Thornton, Kay Monda, William Smoyer, John Mahan. *Publication 5873.20*
- 132*** **Pediatric Kidney Biopsies – Needle Size and Length of Stay.** Amy Wilson, Bradley Dixon, Jens Goebel. *Publication 5873.21*
- 133** **Financial Implications of Outpatient (op) Renal Biopsy (bx): A Single Pediatric Center Experience.** Keith K. Lau, Maha N. Haddad, Gerre M. Berg, Lavjay Butani. *Publication 5873.22*

5874 Stones & Bone

- 134** **Increased Incidence of Osteoporosis and Osteopenia in Children with Hypercalcuria and/or Kidney Stones.** Andrew L. Schwaderer, Robert Cronin, John D. Mahan. *Publication 5874.1*

Endocrinology (PAS/LWPES)

5875 Genetic Metabolic Disease

- 136*** **Hidden Mosaicism for Y-Chromosome Material in a Newborn with Ambiguous Genitalia Is an Indication for Molecular Study of Gonadal Tissue.** Rosa Sherafat-Kazemzadeh, Philippe Backeljauw. *Publication 5875.1*
- 137*** **Gitelman Syndrome in Two Sisters Caused by a Novel Mutation of SLC12A3 Gene Encoding Thiazide-Sensitive Na-Cl Cotransporter.** Sunil K. Sinha, J. Ching, Amrit Bhangool, Shih-Hua Lin, Svetlana Ten. *Publication 5875.2*
- 138*** **Glycogen Storage Disease Type III Presenting as Non-Ketotic Hypoglycemia: Use of Mutation Analysis to Non-Invasively Confirm the Diagnosis in an 11-Month Old Jehovah Witness.** Jonathan Seigel, David A. Weinstein, Richard Hillman, Brooke Colbert, Belinda Wood, Bert Bachrach. *Publication 5875.3*
- 139** **Diazoxide Toxicity in an Infant with Hyperinsulinism.** Todd D. Nebesio, Wynton C. Hoover, Randall L. Caldwell, Mara E. Nitu, Erica A. Eugster. *Publication 5875.4*
- 140*** **45,XY der(13,14)(q10,q10) Karyotype in a Newborn with Ambiguous Genitalia.** Eric M. Sherman, Andrew Bauer. *Publication 5875.5*
- 141*** **Case Report: Medically Resistant Congenital Hyperinsulinism Due to a KCNJ11 Mutation and Complicated by Multiple Thrombi.** Nina S. Menda, David Schowalter, Aida Lteif, Frederick W. Schwenk, Siobhan Pittock. *Publication 5875.6*

5876 Steroidogenesis

- 142** **Evaluation of Adrenal Function in Children with Asthma and Allergic Rhinitis Treated with Combination of Inhaled and Nasal Corticosteroids.** Irina Kazachkova, Diana Kong, Kavita Patel, Svetlana Ten, Michael Marcus, Mikhail Kazachkov. *Publication 5876.1*
- 143*** **Cushing Syndrome in the McCune-Albright Syndrome.** Rebecca J. Brown, Michael T. Collins. (Sponsored by Constantine A. Stratakis) *Publication 5876.2*
- 144** **Congenital Adrenal Hyperplasia (CAH): Calcium Channels as Therapeutic Targets.** Karen J. Loechner, Roxanne Schock, James T. McLaughlin. *Publication 5876.3*
- 145*** **A Novel Founder Mutation of the Steroidogenic Acute Regulatory Protein in Two Unrelated Palestinian Patients with Congenital Lipoid Adrenal Hyperplasia.** Amy M. Jean, Ilene Fennoy, Sharon E. Oberfield, Patricia Lanzano, Svetlana Ten, Wendy K. Chung. *Publication 5876.4*
- 146*** **Generation of an *In Vivo* System To Quantify Glucocorticoid Receptor Activation.** Paul J. Bernard, David R. Piwnicka-Worms, Louis J. Muglia. *Publication 5876.5*

- 147* **Complexity in Molecular Pathogenesis of Mild Obesity or Adrenal Hypoplasia Congenita: LXXLL Motifs and AF-2 Domain Are Involved in SHP Homodimerization and DAX1-DAX1A Heterodimerization.** Anita K. Iyer, Edward R.B. McCabe. *Publication 5876.6*
- 148 **Adrenal Hypoplasia Congenita (AHC) Caused by Sixteen Novel Mutations in DAX1 (NROB1).** Y.-H. Zhang, B.-L. Huang, E.R.B. McCabe. *Publication 5876.7*

5877 Obesity Metabolism Syndrome

- 149 **(Moved to Poster Session IV, Tuesday Poster 20A) Mediating Factors and Psychological Effects of Obesity in Children.** Michelle M. Humi, Charles Swencionis, Deborah DeSantis, Susan Beren, Lisa Altshuler. (Sponsored by Steven Shelov) *Publication 5877.1*
- 150 **Endocrine Manifestations of the ROHHAD Syndrome.** Diego Ize-Ludlow, Juliette A. Gray, Elizabeth M. Berry-Kravis, I. Sadaf Farooqi, Jeff M. Milunsky, Casey M. Rand, Debra E. Weese-Mayer, Mark A. Sperling. *Publication 5877.2*
- 151* **Decreased Resting Energy Expenditure Is Associated with Obesity in Children Treated for Craniopharyngioma.** Rachana Shah, Andrew Tershakovec, Adda Grimberg, Babette Zemel, Leslie Sutton, Thomas Moshang, Jr, Roy Kim. *Publication 5877.3*
- 152* **HbA1c as a Screening Test in an Obese Pediatric Population.** Janna K. Flint, Maureen Dever, Elizabeth Suarez, Francesco De Luca. *Publication 5877.4*
- 153 **Adiponectin Levels in Infancy: Relationship to Insulin, Leptin and Auxology.** Frank B. Diamond, Jr, Claude Dharamraj, Duane Eichler. (Sponsored by John Malone) *Publication 5877.5*
- 154 **Diffusion Tensor Imaging in Early-Onset Morbid Obesity.** Jennifer Miller, Stephen Towler, Jessica Couch, Yijun Liu, Guojun He, Daniel J. Driscoll, Christiana Leonard. *Publication 5877.6*
- 155* **Relationships between Visceral, Subcutaneous, and Hepatic Fat in Obese Children at Risk for Metabolic Syndrome.** Sowmya Krishnan, Ryan Brown, Laura Chalmers, Mark Punyanita, Kenneth Copeland, David Fields. *Publication 5877.7*

APS/SPR Student Research Program Awardee
Jennifer Hughes

- 156 **Early Insulin Response (EIR) in Prepubertal Obese Children with Premature Adrenarche (PA).** A. Hassoun, A. Jean, J. Hughes, C. Pomeranz, I. Fennoy, D.J. McMahon, S.E. Oberfield. *Publication 5877.8*
- 157* **Less Frequent Meals Decrease Hunger in the Pediatric Obese Population.** Rinku Mehra, Eva Tsalikian, William Sivitz. *Publication 5877.9*
- 158 **Insulin Sensitivity (SI) of Adolescents at High Risk for Polycystic Ovary Syndrome (PCOS).** D.H. Geller, S.E. Oberfield, N. Leibel, S. Ten, M.I. Hernandez, E. Codner, F. Cassorla, M.I. Goran. (Sponsored by Stephen E. Gitelman) *Publication 5877.10*
- 159 **Breastfeeding Protective for Adolescent Adiposity Regardless of Socioeconomic Status (SES) and Race.** Jessica G. Woo, Lawrence M. Dolan, Ardythe L. Morrow, Elizabeth Goodman. *Publication 5877.11*
- 160 **Hepatic Dysfunction in Pediatric Obesity and Insulin Resistance: The Effects of Metformin.** Michael Freemark. *Publication 5877.12*
- 161 **Instability of the Diagnosis of Metabolic Syndrome in Adolescents.** Elizabeth Goodman, Stephen R. Daniels, James B. Meigs, Lawrence M. Dolan. *Publication 5877.13*
- 162 **Quantification of Adipose Tissue Distribution by Imaging Methods in Children: Accuracy of Different Slice Intervals and Single Slice Method.** Wei Shen, Jun Chen, Mark Punyanitya, Dymrna Gallagher, Stanley Heshka, Steven B. Heymsfield. (Sponsored by Deborah M. Levy) *Publication 5877.14*
- 163* **CT Versus Other Estimates of Visceral Fat in Adolescents and Young Adults.** Dhaval R. Parekh, Susan Raatz, Ching-Ping Hong, David Jacobs, Julia Steinberger, Alan Sinaiko. *Publication 5877.15*
- 164 **Surveying the Genome for Common Genetic Variants Associated with Obesity.** Helen N. Lyon, Elizabeth Speliotes, Noel Burt, Paul DeBakker, Ben Voight, Richa Saxena, Valeri Lyssenko, Tiinamaija Tuomi, Bo Isomaa, Hong Chen, Joel Hirschhorn, Thomas E. Hughes, Leif Groop, David Altshuler, The Diabetes Genetics Initiative. *Publication 5877.16*

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- 165* **Impaired Endothelial Function before and after a High Fat Meal in Adolescents with Diabetes Compared with Healthy Controls.** Nimira Kanji, Cheryl Clarson, Stan Van Uum, Farid H. Mahmud. (Sponsored by Robert Stein) *Publication 5878.1*
- 166 **Sustained Benefit of Residential Management of Poorly Adherent Adolescents with Type 1 Diabetes Comes at High Cost.** Toree H. Malasanos, Janet A. Silverstein, Heather Lehmkuhl, Eric A. Storch, Arlan L. Rosenbloom. *Publication 5878.2*
- 167* **Study of Glycemic Profiles with Continuous Glucose Monitoring System (CGMS) in Poorly Controlled Type 2 Diabetes Mellitus (DM) Adolescents.** Haiyan Lu, Jose B. Quintos, Dawn Hagerty Hagerty, Salvador Castells. *Publication 5878.3*
- 168 **Hope, Perceived Parental Empathy and Medical Regimen Adherence in Adolescents with Type 1 Diabetes.** Sarah M. Loberg, Marja Cantell, Deborah Dewey. (Sponsored by Daniele Pacaud) *Publication 5878.4*
- 169* **Risk Factors for Type 2 Diabetes (T2D) in Youth with Medication Induced Diabetes (MID).** Shazhan Amed, Heather Dean, Jill Hamilton, NT1DM Study Team. *Publication 5878.5*
- 170* **Antecedents to the Development of Microalbuminuria in Children with Type 1 Diabetes.** A. Palladino, K. Murphy, K. Montgomery, T. Lipman, W. He, S. Willi. *Publication 5878.6*

- 172*** **Diabetes in Pediatric Liver Transplant Recipients: Not Rare and Often Persistent.** Genna W. Klein, Arti A. Patel, Fenella Greig, Sharon J. Hyman, Nanda Kerkar, Benjamin Shneider, Sukru Emre, Elizabeth Wallach, Robert Rapaport. *Publication 5878.8*
- 173** **(Withdrawn) Building Connections: The Maestro Project. Evaluation of an Administrative Model for Systems Navigation and Support during Transition from Pediatric to Adult Diabetes Care.** Norma VanWalleghem, Catherine MacDonald, Heather J. Dean. *Publication 5878.9*
- 174** **Near Normalization of Parameters of Metabolic Control in Type-1 DM Using Conventional Insulin Therapy and a 13-Point Method Designed To Enhance Compliance.** Jaime Guevara-Aguirre, Marco Guevara-Aguirre, Jeannette Saavedra, Gerald Bernstein. *Publication 5878.10*
- 175** **Metformin Gum: An Alternative Method for Delivery of Biguanides.** Jaime Guevara-Aguirre, David Saldarreaga, Marco Guevara-Aguirre, Jeannette Saavedra. *Publication 5878.11*

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- 176** **Molecular Selectivity in Iron-Catalyzed Oxidation of Specific Tryptophan Residues in Lipoproteins.** Charles V. Smith, Hsin-hung Chen, Ching-Yi Chen, Lu-Ping Chow, Hsiu-Ching Hsu, Yuan-Teh Lee, Chao-yuh Yang. *Publication 5879.1*
- 177** **Sphingosine Kinase in Adipocyte Differentiation and Function.** Lucy D. Mastrandrea, Alice M. DeToro, Shawn M. Sessanna. (Sponsored by Teresa Quattrin) *Publication 5879.2*
- 178** **Effects of Maternal Gestational Diabetes on Vascular Reactivity in Adult Rat Offspring.** Emily M. Segar, Thomas D. Scholz, Andrew W. Norris, Robert D. Roghair. *Publication 5879.3*
- 179** **Effects of Soybean Isoflavones on Glucose Metabolism and Prevention of Cataracts in Streptozotocin Induced Diabetic Rats.** Meiping Lu, Rui Wang, John Krahn, Rajni Chhbar, Lingyun Wu, Qing H. Meng. (Sponsored by Alvin Zipursky) *Publication 5879.4*
- 180*** **Compartmentalization of Stearoyl-CoA Desaturase Enzyme-1 Systems in HepG2 Cells.** Jennifer K. Yee, Shu Lim, Catherine S. Mao, Sharon Sugano, Virender K. Rehan, Gary Xiao, Wai-Nang Paul Lee. *Publication 5879.5*
- 181*** **Sodium Butyrate Prevents Type 1 Diabetes in Biobreeding Diabetes Prone (BBdp) Rats.** Martha Escobar-Douglas, Mark Atkinson, Clive Wasserfall, Nan Li, Rick Caicedo, Josef Neu, Desmond A. Schatz. *Publication 5879.6*
- 182*** **High Fat Diet and Maternal Prediabetes Influences Growth and Metabolic Profile in Offspring.** Kirsten Hartil, Patricia Vuguin, Esther Schmucl, Carlos Vargas, Maureen J. Charron. *Publication 5879.7*
- 183** **High Fat Diet at Different Stages of Pregnancy Have Diverse Consequences in the Offspring.** P. Vuguin, K. Hartil, E. Schmucl, C. Vargas, M.J. Charron. *Publication 5879.8*
- 184** **Molecular Mechanisms for Insulin Resistance in Ossabaw Miniature Swine.** Weihua Shen, Michael Sturek, Edward A. Liechty. *Publication 5879.9*
- 185** **Hyper Not Hypoglycemia during Brain Development Results in Impaired Long-Term but Not Short-Term Memory.** John I. Malone, Suzan Hanna, Xiaomei Liang, Samuel Saporta, Ronald F. Mervis, Collin R. Park, David M. Diamond. *Publication 5879.10*
- 186*** **HTRA1 Polymorphism Associated with Proliferative Diabetic Retinopathy in Juvenile Onset Diabetes.** S. Patel, D. Gibbs, J. Zeng, H. Chen, A. Anduze, C. Perez, Z. Yang, M. Pollak, K. Zhang. (Sponsored by Robert H. Lane) *Publication 5879.11*
- 187** **A Model of Fetal Diabetic Programming with Increased Birthweight Variance.** Andrew W. Norris, Jainrong Yao, Shanming Hu, Stacia L. Koppenhafer, Jeffrey L. Segar, Thomas D. Scholz. *Publication 5879.12*
- 188** **Detection and Prevention of Hypoxia in Pancreatic Islets.** Eba Hathout, Gang Miao, John Mace, Ricardo Peverini, John Zhang, Lawrence Sowers, Richard Chinnock. *Publication 5879.13*
- 189** **Inflammation in Diabetic Retinopathy: A Role for 5-Lipoxygenase.** Rose A. Gubitosi-Klug, Timothy S. Kern. (Sponsored by Mark Palmert) *Publication 5879.14*

Behavioral/Development

5880 Disabilities

- 190** **Multicenter Norms and Validation of the Warner Initial Developmental Evaluation of Adaptive and Functional Skills.** Lawrence A. Gray, Michael E. Msall, James Roistacher, Nancy Lyon, Kathleen Mariano, Christine P. Baker, Kim McKernan, Jeanine Jesberg. *Publication 5880.1*
- 191** **Health Related Quality of Life for Children with Autism Spectrum Disorders Enrolled in the Autism Treatment Network.** Karen Kuhlthau, Jennifer Dezarn, Trevor Hall, James Perrin, Brian Winklosky. *Publication 5880.2*
- 192** **Neonatal and Medical History in Children with Autistic Spectrum Disorders: Are There Differences with Children with Typical Development or Other Developmental Disabilities?** Maria Valicenti-McDermott, Kathryn McVicar, Herbert J. Cohen, Shlomo Shinnar. *Publication 5880.3*
- 193** **Are There Differences in Neonatal and Medical History of Children with Autistic Spectrum Disorder with and without Language Regression?** Maria Valicenti-McDermott, Kathryn McVicar, Herbert J. Cohen, Shlomo Shinnar. *Publication 5880.4*

- 194* **Magnetic Resonance Imaging of Children with Autism Spectrum Disorder Supports Neurological Basis for Cause: Evidence-Based Review.** Bibiana Restrepo, Marie Leiner. *Publication 5880.5*
- 195* **Autistic Spectrum Disorders: An Analysis of the Use of the Child Behavioral Checklist as a Screen in a Diagnostic Clinic.** Marisa Toomey, Kim Dell'Angela, Dana Brazdziunas, Chindo Hicks. *Publication 5880.6*
- 196 **The Relationship between Serum Copper and Plasma Zinc in Children with Autism Spectrum Disorders.** Scott Faber, Carolyn Kobelak, Carlos Caminos. *Publication 5880.7*
- 197 **Immune Dysregulation in a Cohort of Children with Autism Spectrum Disorders.** Scott Faber, Carolyn Kobelak, Carlos Caminos. *Publication 5880.8*
- 198 **The MCHAT in a High Risk Referral Population.** H. Valentin, J. Meinzen-Derr, S. Wiley, C. Molloy. *Publication 5880.9*
- 199 **Clinical Features of Young Children with Autistic Spectrum Disorders with and without a Reported History of Regression.** Lisa H. Shulman, Oscar H. Purugganan, Nancy Tarshis, Maria del Rosario Valicenti-McDermott, May Chan. *Publication 5880.10*
- 200 **Are Children with Autistic Spectrum Disorder Diagnosed before 2 Years of Age Different Clinically from Older Children Diagnosed after 2 Years of Age?** Rosa Seijo, Maria Valicenti-McDermott, Nancy Tarshis, Deborah Meringolo, Lisa Shulman. (Sponsored by Herbert J. Cohen) *Publication 5880.11*
- 201* **What Parent Concerns Are Predictive for Failed Critical Items on the Modified Checklist for Autism in Toddlers?** Kimberly A. Twyman, Michelle M. Macias, Frances Page Glascoe. *Publication 5880.12*
- 202* **Outgrowing Attention Deficit/Hyperactivity Disorder (ADHD): Adolescent and Parent Perspectives.** Julia Anixt, Neil Powe, Neal deJong, Paul Lipkin. *Publication 5880.13*
- 203 **Substance Abuse among Children with Learning Disorder (LD) and Attention-Deficit/Hyperactivity Disorder (ADHD).** Slavica K. Katusic, William J. Barbaresi, Robert C. Colligan, Amy L. Weaver, Robert G. Voigt. *Publication 5880.14*
- 204* **Predictive Factors Associated with Combined ADHD Medication Treatment.** Scott W. Stuart, Natalia Davila, Conway F. Saylor, Michelle M. Macias, Brandon S. Jordan. *Publication 5880.15*

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- 205* **The Value of School Recess: The Relationship between School Recess and Classroom Behavior.** Romina M. Barros, Ruth E. Stein, Ellen J. Silver. *Publication 5881.2*
- 206 **Impact of Classroom Computer Availability on Preschooler's Social Interactions.** Heather C. Janisse, Navaz Bhavnagri, Xiaoming Li. (Sponsored by Deepak Kamat)*Publication 5881.3*
- 207 **Student Health Information Taxonomies.** Daniel N. McInerney, George L. Ettl III, Jerrica R. Farias, Michael A. Cerio, Donna L. Ettl, John G. Mullarkey, Matthew V. Minkoff. (Sponsored by Lisa Simpson) *Publication 5881.4*
- 208 **A Comparison of Congenitally HIV Infected and Affected Adolescents. Psychosocial and Behavioral Profile: Implications for Clinical Care.** Katlyne Lubin, Laura Netburn, Marsha Edell. *Publication 5881.5*
- 209 **Maternal Trait-Anxiety during Pregnancy Alters Rate of Neonatal Neurobehavioral Development.** Philip S. Zeskind, Kristin A. Garber, Nancy J. Tremblay. *Publication 5881.6*
- 210* **Correlates of Bone Mineral Density in Adolescent Girls with Neuromuscular Disabilities: A Pilot Study.** Michelle Kanney Ervin, Beth Ellen Davis, Patrick C. Kelly. *Publication 5881.7*
- 211 **Longitudinal Developmental Outcomes in Young Children with Urea Cycle Defects Following Early Orthotopic Liver Transplantation.** Penelope J. Pivalizza, Geoffrey Miller, Saul Karpen, John Goss, Evan Pivalizza, Brendan Lee. *Publication 5881.8*
- 212 **Limited Interactions between Mothers and 6 Month Old Infants during Media Exposure.** Alan L. Mendelsohn, Samantha B. Berkule, Suzy Tomopoulos, Harris S. Huberman, Cori M. Green, Jessica M. Urgelles, Benard P. Dreyer. *Publication 5881.9*
- 213* **Healthy 2-to-3 Week-Old Infants Have Better Memory for Spoken Words after a Typical Feeding.** A. Grace Valiante, Ronald G. Barr, Philip R. Zelazo, Emmett Francoeur, Simon N. Young, Jodi Paterson. *Publication 5881.10*
- 215 **Use of the Measure of Processes of Care for Evaluating a Hospital Day School Program for Early Elementary Children with Complex Learning Difficulties.** Debra Andrews, Barbara Stoesz, Barbara Conner-Spady. *Publication 5881.12*
- 216* **Early Literacy Promotion in a Military Pediatric Clinic.** Eric M. Flake, Walter T. Brehm, Patrick C. Kelly, Beth Ellen Davis. *Publication 5881.13*
- 217 **Detection of Antisocial Behavior Using Data from School Health Records.** Gea de Meer, Marry R. Crone, Carin H. Wiefferink, Sijmen A. Reijneveld. (Sponsored by Arend F. Bos)*Publication 5881.14*
- 218 **Improving Service Delivery for Children with DCD and Their Families.** Jennifer L. Mclean, Robin Gaines, Cheryl Missiuna, Mary Egan, Denise DeLaat. (Sponsored by Cyril Robin Walker)*Publication 5881.15*
- 219 **Clinical Features of Developmental Measures of VLBW Infants.** Odoardo Picciolini, Laura Gardon, Maria L. Gianni, Gisella Presezi, Chiara Vegni, Fabio Mosca. *Publication 5881.16*
- 220 **Parent and Child Characteristics Associated with the Use of Corporal Punishment.** Michael Silverstein, Marilyn Augustyn, Robin Young, Barry Zuckerman. *Publication 5881.17*

- 221 **Knowledge of Infant Development and Home Safety Practices.** Adam J. Zolotor, Margaret R. Burchinal, Debra Skinner, Marjorie S. Rosenthal. *Publication 5881.18*
- 222 **Prenatal Choroid Plexus Cysts Do Not Affect Development at 18 Months.** Elizabeth A. Cristofalo, Janet A. DiPietro, Kathleen Costigan, Marilee C. Allen. *Publication 5881.19*
- 223 **Is There a Relationship between Academic Performance and Being Overweight in Low-Income Children of Mexican Origin?** Oscar Blanc, Irma Medina, Marie Leiner. *Publication 5881.20*
- 224 **Salivary Cortisol and Emotion Regulation in Preschool Age Children in China and USA.** Barbara T. Felt, Li Wang, Xiaosu Sun, Nastassia Hajal, Sherri Olson, Dawn Tilbury, Twila Tardiff. *Publication 5881.21*
- 225 **Pain Assessment: Repetition Rate of Infant Crying and Heart Rate during Newborn Circumcision.** Victoria Tutag Lehr, Philip S. Zeskind, Premchand Anne, Ron Thomas, Robert D. Ross. *Publication 5881.22*

Adolescent Medicine

5882 Reproduction Health & Gynecology

- 226 **Evaluating Emergency Contraception Awareness, Knowledge, and Use among Adolescents Ages 13-18 Years.** David J. Mathison, Cynthia Mears, Rob Garofalo, Roopa Seshadri. *Publication 5882.1*
- 227* **Adolescents' Knowledge of Medical Abortion and Emergency Contraception.** Mandy S. Coles, Laura P. Koenigs. (Sponsored by Jonathan D. Klein) *Publication 5882.2*
- 228* **Demographic, Individual, and Familial Characteristics Associated with Teen Pregnancy vs. Sexual Activity.** NanaEfua Baidoo, Peggy Auinger, Cheryl M. Kodjo. *Publication 5882.3*
- 229 **Do Sexual Attitudes, Intentions and Behavior Predict Pregnancy Risk in Urban Adolescents?** Ellen J. Silver, Laurie J. Bauman. *Publication 5882.4*
- 230 **Missed Opportunities for Preventing Subsequent Teen Pregnancy.** Kathy Katz, Margaret Rodan, Lenora McClain, Lauren Courtney, Lorraine Klerman, Sylvia Tan, Michele Kiely, Siva Subramanian, The NIH-DC Initiative. *Publication 5882.5*
- 231 **Pap Smears in a Cohort of Inner City Latina Adolescent Girls: Is There Pathology?** Karen Soren, Shaofu Chen, Shirlee Jaffe. *Publication 5882.6*
- 232 **Is Neurocognitive Function (NCFnx) Associated with Sexual Initiation in Urban African American Adolescents?** Sara Kinsman, Joan Giannetta, David Shera, Martine Aguiar, Nancy Brodsky, Hallam Hurt. *Publication 5882.7*
- 233 **Physician Practices and Community Support for Lesbian, Gay, Bisexual and Transgender (LGBT) Youth: Experiences and Perceptions of Adolescents.** Beth Moughan, Mary M. Moran, Rima Himelstein, Archana Bodas LaPollo. *Publication 5882.8*
- 234* **Physician Assessment of Menorrhagia in Adolescents.** Nicole E. Kucine, Barbara M. Ostfeld, Lisa A. Michaels. *Publication 5882.9*

5883 Obesity

- 235 **Why Do Some Adolescents Lose Weight and Others Not?: A Qualitative Study.** Diana Harris, Alexis Lieberman, Jessica Robbins. *Publication 5883.1*
- 236* **Are Obese Adolescent Girls with PCOS Metabolically Different from Their Obese Non-PCOS Counterparts?** Marcela M. Nur, Mary E. Romano, Amy Weiss, Lorena M. Siqueira. *Publication 5883.2*
- 237* **Compulsive Eating and Body Dissatisfaction in Inner-City Obese Adolescents.** Douglas Kugel, Jessica Rieder, Carmen R. Isasi. (Sponsored by Iman Sharif) *Publication 5883.3*
- 238* **Perceptions from Southern Overweight Adolescent Girls and Their Mothers about Adolescent Weight Loss.** Stephenie Wallace, Bonnie Spear, Anne Turner-Henson. (Sponsored by Carolyn Ashworth) *Publication 5883.4*
- 239* **Improved Access to Physical Activity Facilities: Impact on Overweight, Inner-City, Minority Adolescents.** Juli Tomaino, Unab Khan, Jessica Rieder, Carmen Isasi. (Sponsored by Jessica Rieder) *Publication 5883.5*
- 240 **(Moved to Poster Session III, Monday, Poster 261) Changes in Insulin Resistance Markers, Serum Lipids and Body Fat Percentage: Relationship To Change in Body Mass Index in Overweight Children.** Katrinka T. Kip, William N. Evans, Gary A. Mayman, Ruben J. Acherman, Carlos F. Luna, Abraham Rothman, Juan C. Collazos, Joseph Ludwick, Vanessa Wong, Humberto Restrepo. *Publication 5883.6*

5884 Sexually Transmitted Infections

- 241* **(Withdrawn) Teen Sex: Are We Doing It Right?** David Banas, Melissa Santana, Sara Worley, Ellen Rome. *Publication 5884.1*
- 242* **Knowing Is Half the Battle: Trends in HIV Status and Risk Factors among Adolescents in East Baltimore.** Evelyn P. Simpkins, Jonathan Ellen, Emily Erbeling. (Sponsored by Erica Sibinga) *Publication 5884.2*
- 243* **Provider Beliefs around New HIV Testing Guidelines.** Renata Arrington-Sanders, Jonathan Ellen. (Sponsored by Erica Sibinga) *Publication 5884.3*

- 244 **Predictors of Using a Microbicide-Like Product among Adolescent Girls.** Mary B. Short, Susan L. Rosenthal, Ana M. Ugueto, Paul A. Succop. *Publication 5884.4*
- 245* **Vaginal Wet Mounts on Asymptomatic Adolescent Females; Are They Beneficial?** Kate Stampler, Alexis S. Lieberman, Maria Fraga, Arnold Cohen. *Publication 5884.5*

5885 Health Risk Behaviors

- 246* **What Are Adolescents Showing the World about Themselves on MySpace?** Megan A. Moreno, Laura P. Richardson. *Publication 5885.1*
- 247* **Adolescents Online: Empowered and Naive?** Michael G. Leu, Elizabeth Bradley, Sheryl A. Ryan. *Publication 5885.2*
- 248* **Sun Exposure and Sun Protection Practices in Hispanic Adolescents.** Mary Romano, Lorena Siqueira, Dev Pathak. *Publication 5885.3*
- 249* **Adolescents' Perceptions of Addiction and Tobacco Use.** Malena E. Ramos, Anna V. Song, Bonnie L. Halpern-Felsher. *Publication 5885.4*
- 250 **Providers' Experiences with Identification & Management of Adolescents Who Smoke.** Sarah L. Stevens, Sara B. Kinsman, Megan E. Pailler, Shehreen Latif, Suzanne A. Levy, Guy S. Diamond. (Sponsored by Donald F. Schwarz) *Publication 5885.5*
- 251 **Health Disparities in Risk for Motor Vehicle Injury and Death.** Francis E. Rushton, Heidi Van Esselstyn. *Publication 5885.6*
- 252 **At What Age Should Anticipatory Guidance Begin on the Risk of Riding with Young Drivers?** Teresa M. Senserrick, Michael J. Kallan, Michael R. Elliott, Flaura K. Winston. *Publication 5885.7*
- 253* **Echoes from the Grave: Violence Related Firearm Deaths in Adolescent Minorities.** Helen Kest, Patrick Nwajei. *Publication 5885.8*

5886 Chronic Illness

- 254* **Reliability Testing of an Assessment Tool Used To Measure Adolescent Readiness for Transition to Adult Oriented Hemophilia Care.** Archana Sharma, Lisa A. Michaels, Lisa R. Cohen, Laura Feitiera, Frances Maceren, Parvin Saidi. *Publication 5886.1*
- 255 **Health Behaviors, Mental Health and Diabetes Self-Management among Young Adults with Diabetes.** P. Scal, A. Moran, C. Boys, R. Kane. *Publication 5886.2*
- 256* **Do Youth with Disabilities with Natural Mentoring Relationships Have Improved Adult Outcomes?** Kym R. Ahrens, Laura P. Richardson, David L. DuBois, Ming-Yu Fan, Paula Lozano. *Publication 5886.3*
- 257* **How Prepared Are Generalists To Assume Primary Care for Young Adults with Childhood-Onset Chronic Illnesses?** Megumi J. Okumura, Michele M. Heisler, Matthew M. Davis, Michael D. Cabana, Eve A. Kerr. *Publication 5886.4*
- 258 **Utilities of Adolescents with Inflammatory Bowel Disease.** Michael S. Yi, Maria T. Britto, M. Susan Moyer, Susan N. Sherman, Uma R. Kotagal, Frank W. Putnam, Steven L. Carlton-Ford, Joel Tsevat. *Publication 5886.5*
- 259 **Hospital Use of Adolescents and Young Adults with Chronic Illnesses.** Jay Berry, Susan Foley, Valerie Kong, Judith Palfrey. *Publication 5886.6*

5887 Health Services/Miscellaneous

- 260* **Uninsured Older Adolescents and Young Adults: Is It an Attitude Problem?** Jesse Hennum, Rebecca Nyman, Peter Scal. *Publication 5887.1*
- 261 **Ambulatory Health Care of Adolescents and Young Adults in the US.** S.T. Callahan, W.O. Cooper. *Publication 5887.2*
- 262* **Should Inner-City Adolescents Be Seen Every 6 Months for Well-Visits?** Jerico Alvaran, Alexis S. Lieberman. *Publication 5887.3*
- 263* **Efficacy Outcomes of a Youth Research Training Program Addressing Racial Inequality.** Jann Murray-Garcia, EunMi Cho, Rose Borunda, Nancy Erbstein, Courtenay Tessler, Gwyneth Bruch. (Sponsored by Robert S. Byrd) *Publication 5887.4*
- 264 **Comparing a Questionnaire to an Interview for Identification of High School Students Requiring Further Health Care Attention.** Nogah C. Kerem, Osnat Livne, Ada Tamir, Daniel Hardoff. (Sponsored by Marilyn Dumont-Driscoll) *Publication 5887.5*
- 265* **Prevalence and Correlates of Use of Dietary Supplements among Adolescents in the United States; an Analysis of the Slone Survey and the National Health and Nutrition Examination Survey.** Paula Gardiner, Judy Kelly, Catherine Buettner, Roger B. Davis, Russell S. Phillips, Kathi J. Kemper, David Kaufman, Allen A. Mitchell. *Publication 5887.6*

General Pediatrics

5888 Nutrition

- 266* **Variation of Dietary Supplement Inpatient Policies in Children's Hospitals: Where Are We Today?** Paula Gardiner, Russell S. Phillips, Kathi J. Kemper, Anna Legedza, Alan Woolf. *Publication 5888.1*
- 267* **US and Canadian Breast-Fed Infants' Trajectories on WHO Body Mass Index (BMI) Charts.** Nirvarthi Maharaj, Paul W. Ferguson, Susan H. Mitmesser, Carol L. Berseth. *Publication 5888.2*

- 268 **Telephone Support Intervention for Breastfeeding in Low-Income Latina Mothers.** M. Bunik, P. Shobe, M.E. O' Connor, B. Beaty, S. Langendoerfer, L. Crane, A. Kempe. *Publication 5888.3*
- 269 **Low-Income Latina Mothers' Perspectives on Breastfeeding Issues and Participation in a Telephone Based Support Intervention.** M. Bunik, P. Shobe, L. Crane, A. Kempe. *Publication 5888.4*
- 270 **Parental Attitudes Regarding Vitamin D Supplementation for Breastfed Infants: A Study from the Puget Sound Pediatric Research Network.** James A. Taylor, Leah J. Geyer. *Publication 5888.5*
- 271 **Withdrawn Breastfeeding Attitudes, Knowledge and Behaviors of Romanian Mothers.** Anne B. Wallis, Razvan Chereches, Florin Oprescu, Alexandra Branzaniuc, Claibourne I. Dungy. *Publication 5888.6*
- 272 **Clinical Presentation, Demographics, and Feeding Practices of Young Children with Severe Iron Deficiency Anemia.** Ronik Kanani, Michael Weinstein. (Sponsored by Jeremy Friedman) *Publication 5888.7*
- 273 **Assessment of Growth of Infants Fed a Starter Infant Formula Containing Prebiotics and Probiotics.** E.E. Ziegler, B. Black, H. Lessin, S. Jones, S. Sun. *Publication 5888.8*
- 274* **Resident Knowledge and Confidence about Breastfeeding in a Poor Urban Community.** Melissa Teshler, Sarah Siegel, Iman Sharif, Deborah Campbell. *Publication 5888.9*
- 275* **Breastfeeding Rates and Barriers in an Urban Primary Care Clinic.** Amanda Growdon, Lisa Swartz, Virginia Grace Cohen, Rebecca Andersen, Romi Webster, Joanne Cox. *Publication 5888.10*
- 276 **Effect of Milk Intake on Child Adiposity at Age 3 Years.** Susanna Y. Huh, Sheryl L. Rifas-Shiman, Matthew W. Gillman. (Sponsored by Christopher Duggan) *Publication 5888.11*
- 277 **Relationship between Nutrition and Length of Stay in Infants Hospitalized with Bronchiolitis.** Michael C. Weisgerber, Patricia S. Lye, Rainer Gedeit, Mary Beth Preston, Kari Krank, Qun Xiang, Marc H. Gorelick. *Publication 5888.12*
- 279 **Iron Administration to Iron-Replete Infants Does Not Influence Growth in Weight or Length during or after Treatment.** Sheila Gahagan, Sunkyung Yu, Castillo Marcela, Lozoff Betsy. *Publication 5888.14*

5889 Child Abuse/Domestic Violence

- 280* **Impact of Training Pediatric Residents in Domestic Violence Screening.** Maria D. McColgan, Collen Fitzpatrick, Monique Dalvi, Sandra H. Dempsey, Martha B. Davis, Corinne Lagermasini, Jessica McKee, Angelo Giardino. *Publication 5889.1*
- 281* **Does the Perceived Intrusiveness of Child Sexual Abuse Affect Caregiver's Willingness To Act?** Ingrid Walker-Descartes, Mary Rojas, Yvette Sealy, Satya Laren, Danielle Laraque. *Publication 5889.2*
- 282* **Barriers to Successful Psychotherapy Completion in Child Sexual Abuse.** Paul D. McPherson, Philip V. Scribano. *Publication 5889.3*
- 283 **Pediatrician's Level of Suspicion of Maltreatment and Decisions To Report.** V.L. Gunn, G.D. Ayers, W.O. Cooper. *Publication 5889.4*
- 284 **Are the Protectors Protected?** Emalee G. Flaherty, Danya M. Fortess, Robert D. Sege. *Publication 5889.5*
- 285 **Finite Element Modeling of Shaken Baby Syndrome Retinal Injury.** Alex V. Levin, Sarath B. Kamalakkannan, Vikas Hasija, YuQing Wang, Tariq Shams, Nagarajan Rangarajan, Carole Jenny. *Publication 5889.6*
- 285A **Provider Self-Efficacy in the Recognition and Management of Suspected Child Abuse before and after an Educational Intervention in Grenada, West Indies.** Linda D. Arnold, Andrea G. Asnes, Kimberly Martin, Karen A. Santucci. *Publication 5889.6A*
- 286 **Knowledge of Shaken Baby Syndrome among Caregivers of Young Infants in an Urban Primary Care Center.** Kirsten A. Bechtel, Kim Le, John M. Leventhal, Eve Colson. (Sponsored by Karen Santucci) *Publication 5889.7*
- 286A **Impact of Sexual Assault Nurse Examiners on the Evaluation of Sexual Assault in a Pediatric Emergency Department.** Kirsten Bechtel, Deborah Gallagher, Elizabeth Ryan. (Sponsored by Karen Santucci) *Publication 5889.7A*
- 287 **The Epidemiology of Child Abuse Presenting to an Emergency Department.** Mindy Stimell-Rauch, Meridith Sonnett, Daniel Rauch. *Publication 5889.8*
- 288 **Can Child Abuse Fatality Reviews with Pediatricians Change Practice and Prevent Future Deaths?** Vincent J. Palusci, Theresa Covington, Steve Yager, Jane Paterson. *Publication 5889.9*
- 289 **Piloting a Web-Based External Peer Review System for Physical Child Abuse Diagnosis.** David L. Corwin, Christopher Stock, Lenora Olson, Bruce E. Herman, Heather Keenan, Lori Frasier. (Sponsored by Kristine Ann Campbell) *Publication 5889.10*
- 290 **What Should Hospital-Based Child Protection Teams Do?** Irene Tien, John M. Leventhal, Victoria Parker, Howard Bauchner. *Publication 5889.11*
- 291 **Domestic Violence Assessments in the Child Advocacy Center: Results of a National Survey.** Jonathan D. Thackeray, Philip V. Scribano, Dale Rhoda. *Publication 5889.12*
- 292 **From the Child Abuse Recognition Experience Study (CARES): Expert Review of Primary Care Providers' Reporting of Child Physical Abuse.** Robert D. Sege, Emalee Flaherty, Lori Lyn Price, Eric Slora, CARES Study Group. *Publication 5889.13*
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- 323 **Characteristics of Very Young Obese Children at a Nutrition Referral Clinic.** Katherine R. Welch, Joanna L. Wiekczorek, Adolfo J. Ariza, Helen J. Binns. *Publication 5892.10*
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- 324* **Pilot for Delineation of Phenotypes in Young Very Overweight Children.** Seth Scott, Nicole Dunlap, Peter Rockers, Roopa Shashadri, Helen Binns, Xiaobin Wang, Katherine K. Christoffel. *Publication 5892.11*
- 325* **Fit N Fun: A Community Program for Overweight Children Utilizing the YMCA.** David P. McCormick, Sandra K. Caldwell, Amy L. Walenta. *Publication 5892.12*
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- 330* **Treatment of Pediatric Obesity. A Systematic Review and Meta-Analysis of Randomized Trials.** Lauren M. McGovern, Jonathan N. Johnson, Remberto Paulo, Allison Hettinger, Vibha Singhal, Celia Kamath, Patricia J. Erwin, Victor M. Montori. *Publication 5892.17*
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- 332* **Immigrant Families' Perceptions on Walking to School: Beliefs and Barriers.** H. Mollie Greves, Lenna Liu, Jen Cole, David Levinger, Brian Johnston. *Publication 5892.19*
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- 338* **Transient Tachypnea of the Newborn (TTN): A Role for Polymorphisms in beta-Adrenergic Receptor (ADRB) Encoding Genes?** E. Tutdibi, S.E. Aslan, S. Martens, Y. Han, D. Monz, L. Gortner. *Publication 5893.2*
- 339 **Is Inhaled Nitric Oxide (NO) Therapy in Neonates and Children in Developing Countries like India Feasible?** Rajan V. Joshi, Sheela S. Patil, Sili Dominic, Usha Pratap, Arti P. Rajhans. (Sponsored by Udayakumar Devaskar) *Publication 5893.3*
- 340 **Perivascular Human Umbilical Cord Cells as a Potential Treatment for BPD. A Preliminary Study.** Gaia Weissmann, Mariarosa Colnaghi, Tiziana Montemurro, Gabriella Andreolo, Lorenza Lazzari, Paolo Rebulli, Fabio Mosca. *Publication 5893.4*

341 Dexamethasone Suppresses Angiopoietin 2 in Tracheal Aspirates of Ventilated Premature Infants. Zubair H. Aghai, Sosun Faqiri, Tarek Nakhla, Judy Saslow, Akanksha Kumar, Riva Eydelman, Louise Strande, Gary Stahl, Paola Leone, Vineet Bhandari. *Publication 5893.5*

342 Persistence of Patency of Ductus Arteriosus (PDA) in Preterm Infants: Do VEGF and TGF- β 1 Play a Role? Giovanni Vento, Piero G. Matassa, Maria R. Colnaghi, Franco Ameglio, Ettore Capoluongo, Valentina Vendettuoli, Milena Tana, Chiara Tirone, Paola Lulli, Costantino Romagnoli, Fabio Mosca. *Publication 5893.6*

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343 Prevention of Perinatal Nicotine Exposure-Induced Alterations in Pulmonary Function by Peroxisome Proliferator Activated Receptor (PPAR) γ Agonists. Virender K. Rehan, Ying Wang, J. Santos, Reiko Sakurai, Erin O'Roark, N. Kenyon, John S. Torday. *Publication 5894.1*

344 Prevention of *In Utero* Nicotine-Induced Lung Injury by Modulating the Wingless/Int (Wnt) and Peroxisome Proliferator Activated Receptor (PPAR) γ Signaling Pathways. Virender K. Rehan, Kyle Huynh, Ying Wang, Reiko Sakurai, John S. Torday. *Publication 5894.2*

345* Inhibition of Apoptosis in 60% Oxygen-Induced Neonatal Rat Lung Injury. Man Yi, Adrian Ziino, Ben Hur Johnson, Azhar Masood, Rosetta Belcastro, Samuel Shek, Robert Jankov, Keith Tanswell. *Publication 5894.3*

346* Intratracheally, Not Intraperitoneally, Transplanted HUC-MSCs Ameliorates Hyperoxia-Induced Lung Injury in Rat Pups. Sook Hyun Nam, Yun Sil Chang, Jae Kwon Lee, Dong Kyung Sung, Saem Kang, Eun Yang Choi, Ga Won Jeon, Soo Hyun Koo, Wonil Oh, Yoon Sun Yang, Won Soon Park. (Sponsored by Munhyang Lee) *Publication 5894.4*

347* Prenatal Injury of Alveolar Type II Pneumocytes in Preterm Infants? Andreas Wemhoener, Anita Messner, Jennings Paul, Trawoeger Rudolf, Edda Tschirch, Mario Ruediger. (Sponsored by Alan H. Jobe) *Publication 5894.5*

348 Role of Bile Acids in RDS in Neonates from Pregnancy with Obstetric Cholestasis: A Broncho-Alveolar Lavage Fluid Study. Enrico Zecca, Daniele De Luca, Silvia Baroni, Costantino Romagnoli. (Sponsored by Giovanni Vento) *Publication 5894.6*

349 Effect of Oxygen Exposure during Newborn Resuscitation on Lung Injury. Yacov Rabi, Nalini Singhal, Alberto Nettel-Aguirre, Wendy H. Yee, David Proud. (Sponsored by Shabih U. Hasan) *Publication 5894.7*

350* Effects of α -Phenyl-N-tert-Butyl Nitron (PBN) on Hyperoxic Lung Injury in Newborn Rats. Hye Soo Yoo, Yu Jin Kim, Ga Won Jeon, Yun Sil Chang, Won Soon Park. (Sponsored by Munhyang Lee) *Publication 5894.8*

351* Role of IL-1 in the Neonatal Rat Model of Chronic Lung Injury Induced by Exposure to 60% Oxygen. Ben H. Johnson, Man Yi, Samuel Shek, Rosetta Belcastro, Azhar Masood, Robert P. Jankov, A. Keith Tanswell. *Publication 5894.9*

352 *In Utero* ETOH and Maturation of the Developing Lung - A Loss of Protective Peroxisome Proliferator-Activated Receptor Gamma (PPAR- γ). Theresa W. Gauthier, Xiao-Du Ping, Frank L. Harris, Lou Ann S. Brown. *Publication 5894.10*

353 Novel Targets of *In Utero* ETOH Induced Injury in the Developing Alveolar Macrophage. Theresa W. Gauthier, Xiao-Du Ping, Frank L. Harris, Lou Ann S. Brown. *Publication 5894.11*

354* Antenatal Betamethasone and Postnatal Expression of ENaC in Airway Epithelium in Preterm Infants. Cecilia Janer, Otto Helve, Olli M. Pitkanen, Anneli Kari, Sture Andersson. *Publication 5894.12*

355* Cromolyn Blocks \uparrow O₂-Induced Airway Hyper-Responsivity (AHR), Airway Smooth Muscle (ASM) Remodeling & Mast Cell Accumulation in Newborn Rat Lung. Eric D. Schultz, Mary H. Whorton, Stanley N. Mason, Richard L. Auten. *Publication 5894.13*

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357 Continuous Monitoring of Chest Wall Dynamics Allows Earlier Detection of Mechanical Complications, in Ventilated Rabbits. Dan Waisman, Carmit Levy, Eugene Konyukhov, Nitai Hanani, Hagay Weisbrod, Amir Landesberg. (Sponsored by Imad Makhoul) *Publication 5895.2*

358* Effect of Instrumental Dead Space Reduction during Weaning from Synchronized Ventilation in Preterm Infants. Alberto Estay, Nelson Claire, Carmen D'Ugard, Roberto Organero, Eduardo Bancalari. *Publication 5895.3*

359* Ontogeny of Genes Potentially Important for Lung Liquid Movement during Fetal Life. Nathan M. Jesse, Marcela von Reitzenstein, Maureen Keller-Wood. (Sponsored by David J. Burchfield) *Publication 5895.4*

360 Pulmonary Stretch Receptor Activity Related to the Energy Stored in the Normal and Surfactant-Depleted Lungs during Inspiration. Richard Sindelar, Gunnar Sedin, Anders Jonzon. *Publication 5895.5*

361 Pressure Support Ventilation (PSV) Versus Automatic Tube Compensation (ATC) in a Spontaneously Breathing Neonatal Lung Model: Ventilator Trigger Function. Carmen M. Herrera, John P. Heinz, Neil R. MacIntyre. *Publication 5895.6*

362* Optimisation of Tidal Volume Delivery in Volume Control Versus Pressure Limited Ventilation: Is One Better Than the Other? Ravi S. Swamy, Samir Gupta, Jaideep Singh, Steven M. Donn, Sunil K. Sinha. *Publication 5895.7*

363* Implementation of Surfactant Then Nasal Continuous Positive Airway Pressure (CPAP) at Delivery for Extremely Low Birth Weight Infants: An Historical Cohort Study. Melinda Caskey, Rafael Fonseca, Cara Geary, Michael Malloy. *Publication 5895.8*

- 364 **Influence of Ventilatory Settings on Exhaled Nitric Oxide during High Frequency Oscillatory Ventilation.** Yeong S. Yuh, Tsu F. Yeh. *Publication 5895.9*
- 365* **Hemodynamic Effects of Extubation in Premature Infants.** Alona Bin-Nun, Vitaliy Soloveychik, Sudhir Sriram, Athenas Ionchev, William Meadow. *Publication 5895.10*
- 366 **Measurement of Intratracheal and Pharyngeal Pressure during High Frequency Nasal CPAP in the Preterm Lamb with RDS.** Bradley Yoder, Donald Null, Jr, Marjanna Dahl, Kurt Albertine. *Publication 5895.11*
- 367* **Heat Shock Protein (HSP) 70 Secretion by Tracheal Tissue during Mechanical Ventilation: Association with Indices of Tissue Function and Modeling.** Euming Chong, Robert Locke, Kevin C. Dysart, Aaron S. Chidekel, Thomas H. Shaffer, Thomas L. Miller. *Publication 5895.12*
- 368 **Non-Invasive Nasal High-Frequency Ventilation for Premature Infants.** Usama Younis, Tarah Colaizy, Edward Bell, Gretchen Kress, Karen Johnson, Ralph Hein, Nancy Krutzfeld, Jonathan Klein. *Publication 5895.13*
- 369 **Transmission of Ventilator-Delivered Pressure to the Trachea during Non-Invasive Neurally Adjusted Ventilatory Assist (NAVA) in Lung-Injured Rabbits.** Jennifer Beck, Michael Dunn, Fabrice Brunet, Arthur S. Slutsky, Christer Sinderby. *Publication 5895.14*
- 370 **High Tidal Volume Ventilation Up-Regulates Expression of Proinflammatory Cytokines and Profibrotic Molecules in Rat Lung.** Shu Wu, Kalyani Kasisomayajula, Jinghong Peng, Adrea Lessa, Eduardo Bancalari. *Publication 5895.15*
- 371 **Assessing Readiness for Extubation in Ventilated VLBW Infants.** C. Omar F. Kamlin, Peter G. Davis, Colin J. Morley. (Sponsored by Rod W. Hunt) *Publication 5895.16*

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- 373 **Pulse Oximetry (POx) Screening of Term and Late Pre-Term Neonates at 4 Hours Postnatal (PN) To Detect Cyanotic Congenital Heart Disease (CCHD).** Dorothy M. Sendelbach, Susanna Lai, Gregory L. Jackson, David Fixler, Elizabeth K. Stehel, William D. Engle. *Publication 5896.2*
- 374* **Clinical Predictors of Post-Ligation Cardiac Syndrome (PLCS) in Neonates.** Emer Finan, Sandesh P. Shivananda, Lilian Teixeira, Wendy Mak, Patrick J. McNamara. (Sponsored by Hilary Whyte) *Publication 5896.3*
- 375 **Validation of a Cardiovascular Scoring System To Assess Neonatal Shock.** David M. Riley, Danielle Kurtz, Madelene Otero, Bruce Schulman, Fernando R. Moya, Istvan Seri. *Publication 5896.4*
- 376 **ECG Analysis in Preterm Infants.** Alison Verner, Stanley Craig, Andrew Sands, John Jenkins. (Sponsored by Henry Halliday) *Publication 5896.5*
- 377 **Characterization of Incidence and Natural History of Systemic Hypertension in Premature Infants.** Swathantra Melekote, Naveed Hussain, Vijayakumar Praveen. *Publication 5896.6*
- 378 **Randomised Trial of Milrinone Versus Placebo for Prevention of Low Systemic Blood Flow in Very Preterm Infants.** Mary Paradisis, Nick J. Evans, Martin R. Kluckow, David A. Osborn. *Publication 5896.7*
- 379* **Things Go Better with Coke: Hemodynamic Effects of Caffeine Administration in Premature Infants.** Vitaliy Soloveychik, Alona Bin-Nun, Sudhir Sriram, Athenas Ionchev, William Meadow. *Publication 5896.8*
- 380 **Chronic Administration of Statins Increases Bilirubin and Carbon Monoxide Formation in the Heart – A Novel Mechanism of Antioxidant Protection.** Lucie Muchova, Ronald J. Wong, Mark Hsu, Ichiro Morioka, Jaroslav Zelenka, Libor Vitek, Henning Schroder, David K. Stevenson. *Publication 5896.9*
- 381 **Reoxygenation of Asphyxiated Newborn Piglets Decreases the Expression of Isocitrate Dehydrogenase and Malate Dehydrogenase in the Heart.** Po-Yin Cheung, Grzegorz Sawicki, Gary D. Lopaschuk. *Publication 5896.10*
- 382 **Perinatal Cardiomyocyte Proliferation Contributes to Heart Growth in Premature Primates.** Willem B. de Vries, Don C. McCurnin, Saskia F. van Vugt, Vicki T. Winter, Jackie J. Coalson, Matthijs F.M. van Oosterhout, Frank Bel. *Publication 5896.11*
- 383 **Unlike Dexamethasone, Neonatal Hydrocortisone Treatment Does Not Induce Histopathological Changes in the Adult Rat Heart.** Willem B. de Vries, Sara Hakim, Miriam P. Bal, Paul Steendijk, Jan Baan, Matthijs F.M. van Oosterhout, Frank van Bel. *Publication 5896.12*
- 384 **Assessment of Right Ventricular Myocardial Performance Index – Tei Index by Echocardiography in Very Low Birth Weight Infants.** Eliane Lucas, Rosane R. Mello, Jose Roberto M. Ramos. (Sponsored by Cleide Suguilhara) *Publication 5896.13*
- 385 **Cardiac MR Demonstrates Postnatal Remodelling of Ventricular Function in Preterm Neonates.** Alan M. Groves, Julie A. Fitzpatrick, Adrienne Foran, Joanna M. Allsop, Martina F. Callaghan, Jo V. Hajnal, A. David Edwards. *Publication 5896.14*
- 386* **Coronary Artery Hypo-Perfusion Is Associated with Impaired Diastolic Dysfunction in Preterm Infants after Patent Ductus Arteriosus (PDA) Ligation.** Arvind Sehgal, Patrick J. McNamara. (Sponsored by Hilary Whyte) *Publication 5896.15*

- 387 **High Mortality Rates for Premature Infants with Prostaglandin Dependent Complex Congenital Heart Disease.** Janet R. Ninnis, Leela Job, Kim Wan, Douglas D. Deming. *Publication 5896.16*
- 388* **Neurodevelopmental and Health Outcomes of Neonates Undergoing Intracardiac Repair for Interrupted Aortic Arch: A Descriptive Analysis.** Chloe Joynt, Charlene Robertson, Po-Yin Cheung, Reg Sauve, Ari Joffe, Alberto Nettel-Aguirre, Ivan Rebeyka, David Ross. *Publication 5896.17*

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- 390 **Medical Malpractice Pressures for Obstetrician-Gynecologists Are Associated with Late Preterm Inductions in Illinois.** Karna Murthy, William Grobman, Todd Lee, Jane Holl. *Publication 5897.2*
- 391* **Postnatal Care of Infants of Medication-Dependent Diabetic Mothers (IMDDM): Predictive Factors and Cost Analysis of Three Different Models.** Zahi Haidar-Ahmad, R.A. Sinkin, T.P. Stevens. *Publication 5897.3*
- 392 **Isolated Placental Vasculopathy/Coagulopathy Is a Risk Factor for Intracranial Hemorrhage in Extremely Low Birth Weight Infants (Birth Weight < 1000g).** Rita P. Verma, Cynthia Kaplan, Ram Niwas, Hai Fang. *Publication 5897.4*
- 393* **Use of Illicit Drugs during Pregnancy among Mothers of Premature Infants.** Nydia M. Velez, Ines Garcia, Lourdes Garcia, Marta Valcarcel. *Publication 5897.5*
- 394 **Total and Free Cortisol Values Are Decreased in Preterm Neonates Exposed to Antenatal Steroids (AS).** Becky J. Ennis, Lonnie Roy, Charles R. Rosenfeld. *Publication 5897.6*
- 395 **“Lex Regia – The Law of the Kings:” Pictures from the History of Cesarean Section.** Tonse N.K. Raju. *Publication 5897.7*
- 396 **Ethnic Disparities in Prematurity: An Inverse Association between Satisfaction with Care and Prematurity.** Elena Fuentes-Afflick, Nancy A. Hessol, Roxana Odouli, Gabriel J. Escobar. *Publication 5897.8*

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- 397* **Cumulative Hypercapnia and Risk of Intraventricular Hemorrhage among Very Low Birth Weight Infants.** Josef C. Cortez, Sanjay Chawla, S. Nadya J. Kazzi. *Publication 5898.1*
- 398 **Severe Intraventricular Hemorrhage (Grade III-IV IVH) in Very Low Birthweight (VLBW) Singleton Vertex-Presenting Infants – Does Delivery Mode Influence Outcome?** Arieh Riskin, Shlomit Riskin-Mashiah, David Bader, Amir Kugelman, Valentina Boyko, Brian Reichman, in Collaboration with the Israel Neonatal Network. (Sponsored by Imad R. Makhoul) *Publication 5898.2*
- 399 **Effect of Grade I and II Intraventricular Hemorrhage on Visuocortical Function in the Very Low Birth Weight Infant.** Ashima Madan, Choun Hou, Mark Pettet, Anthony M. Norcia, Sharon Cassinelli, William V. Good. *Publication 5898.3*

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- 401* **Challenges in Provision of a Directed Blood Donor Program in Infants ≤1250gms.** Moi Louie, Shetal Shah, Karen Hendricks-Munoz, Pradeep Mally. *Publication 5899.2*
- 402* **A Randomized, Masked, Dose Response Study of Darbeoetin Administered to Preterm Infants.** Mahshid Roohi, M. Connie Peceny, Robin K. Ohls. *Publication 5899.3*
- 403 **Post-Discharge Anemia and Low Iron Status (LoFeS) in Preterm Infants.** Malika D. Shah, Christina Wiles, Michael Georgieff, John Beard, Marissa deUngria, Karen Mestan, Raye-Ann deRegnier. *Publication 5899.4*
- 404 **Double-Blind Randomized Placebo-Controlled Trial of Furosemide Therapy after Packed Red Blood Cell Transfusion in Preterm Infants.** S. Sarkar, R.E. Dechert, M. Becker, M.A. Attar, R.E. Schumacher, S.M. Donn. *Publication 5899.5*
- 405* **Hemodynamic Effects of Packed Red Blood Cell Transfusion Volume in Premature Infants – Results of a Randomised Controlled Trial.** Samir Gupta, Jonathan P. Wyllie, Dianne Plews. (Sponsored by Steven M. Donn) *Publication 5899.6*
- 406* **Hematologic Effects of Preeclampsia on Very Low Birthweight (VLBW) Infants with Evidence of Placental Pathology.** Kelly J. Zook, Jennifer L. Kern, Amy B. Mackley, David A. Paul. *Publication 5899.7*

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- 408 **Classification of Severity of Sepsis Improves Mortality-Risk Prediction in Premature Infants.** Naveed Hussain, Allyson Abo, Matra Barker. *Publication 5900.2*
- 409 **Statistical Study on the Previously Healthy Infants Younger than 3 Months Old Who Visited Hospital for Fever and Were Taken Lumbar Tap on the Suspicion of Neonatal Sepsis.** Chang Won Choi, Beyong Il Kim, In Suk Lim, Eun Hwa Choi, Seung Han Shin, Jaeri Kim, Sang Duk Kim, Ee-Kyung Kim, Han-Suk Kim, Jung-Hwan Choi. (Sponsored by Kwang-Sun Lee) *Publication 5900.3*

- 409A*** **Molecular Diagnosis of Multi-Drug Resistant Gram-Negative Rods (MDRO-GNR).** Brian Anderson, Bruce Sprague, Joseph Campos, Nalini Singh. *Publication 5900.3A*
- 410*** **Do Polymorphonuclear Leukocytes (PMNs) in Gastric Aspirate Predict Histologic Chorioamnionitis (HChorio)?** Christina Chamberlain, Nancy Joste, Rebecca Montman, Ronald Schrader, Kristi Watterberg. *Publication 5900.4*
- 411** **Strategies for Reducing PICC-Related Blood Stream Infection in Very Low Birth Weight (VLBW) Infants.** J. Meizen-Derr, R. Sorrels, M. Lazzari, H. Akinbi. *Publication 5900.5*
- 412** **Duration of Initial Antibiotic Course in Extremely Low Birthweight Infants: Association with Necrotizing Enterocolitis and Death.** C.M. Cotten, the NICHD Neonatal Research Network. *Publication 5900.6*
- 413*** **Impact of Bacteremia Due to Coagulase Negative Staphylococcus (CoNS) on Major Neonatal Morbidities.** G. Pelligra, H. Osioviich, M. Khashu, A. Solimano. (Sponsored by Philippe Chessex)*Publication 5900.7*
- 414** **Early-Onset GBS Infection in Babies Born to Mothers with Negative GBS Cultures.** MaeHee Kim, Barbara K. Russell, Yves Verna, Jing Ja Yoon. *Publication 5900.8*
- 415** **Use of the Serum Bacterial Antigen Test for the Detection of Group B Streptococcal Neonatal Sepsis.** Mitchell R. Goldstein, Sue Bloom, Kristin Hougland, Mita Shah, Linda L. Yang, Clark G. Ochikubo, Perpetua Lawas-Alejo, Bruce D. Sindel, Gilbert I. Furman, Gilbert I. Martin. *Publication 5900.9*
- 416*** **Compliance with CDC Strategies for Prevention of Perinatal Group B Streptococcal Disease in Term Neonates.** Sunanda Kandi, Medha Kamat, Alok Rastogi, Suma Pyati. *Publication 5900.10*
- 417** **Near Elimination of Candida Sepsis after Fluconazole Prophylaxis in ELBW Infants - Experience from a Tertiary Level NICU.** Rajan Wadhawan, Juan Dumois, Danilo Escoto, Fauzia Shakeel, Carine Stormquist, Victor Mackay, Benjamin Torres, Stacey Stone, Sandra Brooks, Anthony Napolitano, Roberto Sosa. (Sponsored by William Oh) *Publication 5900.11*
- 418*** **Systemic Fungal Infection Is Associated with the Development of Retinopathy of Prematurity in Extremely Low Birth Weight Infants: A Systematic Review and Metaanalysis.** Salim K. Bharwani, Ramasubbareddy Dhanireddy. *Publication 5900.12*
- 419** **Neutrophil Gelatinase-Associated Lipocalin (NGAL) as a Marker for Sepsis-Related Renal Impairment in Very Low Birth Weight Infants.** Elvira Parravicini, John M. Lorenz, David Bateman, Sheri L. Nemerofsky, Matthew O'Rourke, Nicholas Barasch, Neal Paragas, Jonathan M. Barasch. *Publication 5900.13*
- 420** **Correlates of Ureaplasma Urealyticum (Uu) in Placental Parenchyma of Singleton Pregnancies That End before 28 Weeks of Gestation.** Isoken N. Olomu, Jonathan L. Hecht, Andrew B. Onderdonk, Elizabeth N. Allred, Alan Leviton. *Publication 5900.14*
- 421*** **Microvascular Flow Is Compromised Early in Neonatal Infection.** Stephan Hiedl, Irene Alba-Alejandre, Orsolya Genzel-Boroviczeny. *Publication 5900.15*
- 422** **Fluconazole Prophylaxis in High-Risk, Very Low Birth Weight Infants.** Young-Youn Choi, Soo-Young Kim, Eun-Song Song. *Publication 5900.16*
- 423*** **Bacterial Flora Enhance Intestinal Injury and Inflammation in the Rat Pup Model of Necrotizing Enterocolitis.** Catherine J. Hunter, Victoria Camerini, Patricia Boyle, Anatoly V. Grishin, Nemani Prasadarao, Jeffrey S. Upperman, Henri R. Ford. *Publication 5900.17*
- 424** **Toward a Differential Diagnosis of Elevated Heart Rate Characteristics (HRC) Index in the NICU.** J. Randall Moorman, Douglas E. Lake, M. Pamela Griffin. *Publication 5900.18*

Neonatal Infectious Diseases (PAS/PIDS)

5901 Neonatal Sepsis

- 425** **Neonatal Sepsis Causes Acute and Pronounced Elevations of the Heart Rate Characteristics (HRC) Index.** J. Randall Moorman, Douglas E. Lake, M. Pamela Griffin. *Publication 5901.1*
- 426*** **Systemic Inflammatory Response Syndrome and Sequence of Organ Failure in Neonates: A Retrospective Study.** Gangaram Akangire, Muhammad H. Haq, Yuchen J. Chung, Jeff Low, Mubariz Naqvi. *Publication 5901.2*
- 427** **Comparing Three Automated, Computer-Assisted Blood Culture Systems in Determining Time to Positivity of Blood Cultures in Newborns.** Joseph A. Garcia-Prats, Charles E. Stager, Jose Garcia, James Versalovic. *Publication 5901.3*
- 428** **Lactobacillus Rhamnosus GG (LGG) Dead or Alive Decreases Lipopolysaccharide (LPS)-Induced Systemic Inflammation in a Gastrostomy-Fed Infant Rat Model.** Nan Li, Martha V. Douglas-Escobar, Nicholas Hauser, Mariela Lopez, Mike Russell, Josef Neu. *Publication 5901.4*
- 429*** **Risk Factors for Nosocomial Sepsis in Very Low Birth Weight Infants.** Soo-kyung Moon, Hye-sun Yoon, Yun-jung Shin. (Sponsored by Soo-young Pi) *Publication 5901.5*
- 430*** **Incidence and Risk Factors for Late Onset Gram-Negative Sepsis in a Tertiary Neonatal Unit: Case Control Study.** S. Samanta, K. Farrer, A. Breathnach, P. Heath. *Publication 5901.6*
- 431** **Timing of Neonatal Late-Onset Sepsis (NLOS) (Data from the Veronate Study Group).** Barry T. Bloom, Amy Morris, Nora Graber, Karen Kesler, Seth Hetherington. *Publication 5901.8*
- 432** **Neonatal Late Onset Sepsis (NLOS): Impact on Morbidity and Mortality Data Provided by the Veronate Study Group.** Barry T. Bloom, Whit Walker, Reese H. Clark, Amy Morris, Nora Graber, Karen Kesler, Seth Hetherington. *Publication 5901.9*

- 433* **Incidence and Ecology of Early Onset Neonatal Sepsis (EONS) in the Era of Antenatal Antibiotics (AA): A Regional Population Based Observational Study.** Celine Dheu, Pierre Kuhn. (Sponsored by Umberto Simeoni) *Publication 5901.10*
- 434 **Endothelial NOS Polymorphisms and the Risk for and Outcome from Sepsis in Ventilated Very Low Birth Weight Infants.** Ronald J. Baier, John Loggins, Krishna Yanamandra. *Publication 5901.11*
- 435 **A Study of Risk Factors of Neonatal Infection during Newborn Period.** Hye-sun Yoon, Yun-jung Shin, Mo-ran Ki, Tae-sung Park. (Sponsored by Soo-young Pi) *Publication 5901.12*
- 436* **Enterococci in the NICU: The Experience at MS-CHONY 2000-2006.** Jennifer Duchon, Philip Graham III, Phyllis Della-Latta, David Bateman, Lisa Saiman. *Publication 5901.13*
- 437 **Treatment of Early Onset Culture Negative Sepsis.** Meghan Tappin, Adriann Combs, Shanthi Sridhar, Joseph DeCristofaro. *Publication 5901.14*
- 438 **Novel Observations Related to Central Line Infections (CLI) in Sick Newborn Infants Stresses the Need for a Neonatal Risk Adjusted Model as a Precursor to Benchmarking.** Deborah Perlmutter, Vivian Smith, Susan Chin, Susan Venturini, Joseph Shulman, Jeffrey Perlman. *Publication 5901.15*
- 439 **High Levels of C-Reactive Protein Are Associated with Abnormal Neonatal Heart Rate Characteristics (HRC).** Santina A. Zanelli, Douglas E. Lake, J. Randall Moorman, M. Pamela Griffin, T. Michael O'Shea. *Publication 5901.16*
- 440* **Procalcitonin as an Early Marker for Central Line Related Blood Stream Infection in Neonates.** Hui-Li Chiou, Nirupama Subramanian, Jean Wiedeman. *Publication 5901.17*
- 441* **Evaluation of Procalcitonin as a Marker in Late-Onset Sepsis in Neonates.** Aurelien Jacquot, Labaune Jean-Marc, Baum Thierry-Pascal, Picaud Jean-Charles, Putet Guy. *Publication 5901.18*
- 442 **Prognostic Value of C-Reactive Protein, Interleukin-6 and Tumour Necrosis Factor-Alpha in Late Neonatal Sepsis.** Jamil P.S. Caldas, Sergio T.M. Marba, Maria Heloisa S.L. Blotta. (Sponsored by Ruth Guinsburg) *Publication 5901.19*
- 443 **Polymerase Chain Reaction Technique in the Diagnosis of Neonatal Sepsis: Future Gold Standard?** Victoria Lima, Angel Alpuche, Daniel Noyola, Ruth Soria, Karla Nieto. (Sponsored by Augusto Sola, Sr) *Publication 5901.20*
- 444* **A Cluster of Transfusion Associated *Babesia microti* Infections in Very Low Birth Weight Infants.** Kari A. Simonsen, Joseph I. Harwell, Fatima R. Muriel, Shabnam Lainwala. *Publication 5901.21*

5902 Neonatal Sepsis: Control & Prevention

- 445 **Comprehensive Multidisciplinary Infection Control Initiatives Reduce Neonatal Catheter-Associated Blood Stream Infections in a NICU.** Judith Carter, Gail Potter-Bynoe, Celeste Nickerson, Thomas J. Sandora, Anne R. Hansen, Pankaj B. Agrawal. *Publication 5902.1*
- 446 **Use of Triple Dye To Reduce MRSA Infections in Well Infants in the First 28 Days of Life.** Alan P. Picarillo. (Sponsored by Marianne E. Felice) *Publication 5902.2*
- 447* **Adopting Best Practices To Reduce Bloodstream Infection in a Tertiary Care NICU.** An N. Massaro, Linda B. Talley, Tara E. Taylor, Billie Lou Short. *Publication 5902.3*
- 448* **Is It Safe To Keep Umbilical Vein Catheters for More Than 7 Days?** S. Sannoh, N. El-Khoury, B. Clones, J. Munoz, B. Parvez. *Publication 5902.4*
- 449* **Nosocomial Infections in the Mount Sinai NICU in an Era of Restricted Antibiotic Use.** Kathleen A. Gibbs, Andrew Campbell, Ian R. Holzman, Betsy Herold, Stephen Jenkins. *Publication 5902.5*
- 450* **Safety of Chlorhexidine Skin Cleansing in Preterm Low Birth Weight (LBW) Babies: A Randomized Double-Blind Study.** Jeeva Sankar, Arti Kapil, Jhuma Sankar, Vinod K. Paul, Ashok Deorari, V. Sreenivas. (Sponsored by Vinod K. Bhutani) *Publication 5902.6*
- 451* **Chlorhexidine Disinfection of Central Venous Catheters' Access Ports Decreases Line Sepsis.** Sulaiman Sannoh, Barbara Clones, Maria Montecalvo, Jose Munoz, Borianna Parvez. *Publication 5902.7*

5903 Group B Streptococcus

- 452* **Invasive Group B Streptococcal (GBS) Disease in Humans Elicits Alpha C Protein-Specific IgM and IgG.** Pia S. Pannaraj, Joanna K. Kelly, Lawrence C. Madoff, Morven S. Edwards, Carol J. Baker. *Publication 5903.1*
- 453 **Global Transcriptional Response of Group B *Streptococcus* to Elevated Temperature.** David C. Klinzing, Nadeeza Ishmael, Herve Tettelin, Karen M. Puopolo. *Publication 5903.2*
- 454* **Group B Streptococcal Meningitis: Cerebrospinal Fluid Parameters in the Era of Intrapartum Antibiotic Prophylaxis.** Annette K. Ansong, P. Brian Smith, Daniel K. Benjamin, Reese H. Clark, Jennifer S. Li, C. Michael Cotten, Barry Mangum, Harmony P. Garges, Kelly Wade, Daniel K. Benjamin, Jr. *Publication 5903.3*
- 455 **Management of Infants Born to Group B Streptococcus (GBS)-Positive Mothers: Laboratory Tests vs Physical Examination.** Luigi Cantoni, Rosy da Riolo, Sergio de Marini. (Sponsored by Winston W.K. Koo) *Publication 5903.4*

5904 Staph Aureus Infection

- 456* **Neonatal *Staphylococcus aureus* Bacteremia in the Neonatal Intensive Care Unit: Is There a Role for Daptomycin?** Michael Cohen-Wolkowicz, Daniel K. Benjamin, Jr, Vance G. Fowler, Jr, Kelly C. Wade, Barabra D. Alexander, Gordon Worley, Terry Dixon, David Wilfret, P. Brian Smith. *Publication 5904.1*
- 457* **Comparison of the Clinical Features and Outcomes of Methicillin-Resistant *Staphylococcus aureus* (MRSA) Bacteremia with Methicillin-Susceptible *Staphylococcus aureus* (MSSA) Bacteremia in Neonates.** Colleen Schelzig, M. Gary Karlowicz, Lisa Gray, Ann Kuhn, E. Stephen Buescher. *Publication 5904.2*
- 458* **Osteomyelitis and Septic Arthritis in the Neonatal Intensive Care Nursery (NICN).** James E. Jones, H. James Norton, Amina Ahmed. *Publication 5904.3*
- 459* **Use of Mupirocin and Chlorhexidine in the Treatment of Methicillin-Resistant *Staphylococcus aureus* Colonization in the Neonatal Intensive Care Unit.** Eric D. Schultz, Philip B. Smith, Chi N. Dang, David A. Wilfret, Keith Kaye, Daniel K. Benjamin, Jr, Ronald N. Goldberg. *Publication 5904.4*
- 460* **Successful Control of Methicillin-Resistant *Staphylococcus aureus* (MRSA) Colonization Using Surveillance Cultures in a Newborn Intensive Care Unit (NICU).** Mary Lucia Gregory, Eric Eichenwald, Karen Puopolo. *Publication 5904.5*

APS/SPR Student Research Program Awardee

Lacy Benson

- 461* **Epidemiology of Methicillin Resistant *Staphylococcus aureus* (MRSA) and Co-Colonization with Vancomycin Resistant Enterococci (VRE) in Children.** Lacey Benson, Bruce Sprague, Joseph Campos, Nalini Singh. *Publication 5904.6*

5905 Inflammation, Cytokines, Leukocytes, & Mediators

- 462* **Differential Inflammatory Response (IR) to LPS Is Affected by Mode of Delivery (MOD).** Danthanh Hoang, Jeffrey Perlman, Hong Lin, Reshma Narula, Yin Xu, Diane Applegate, Susana Cunningham-Rundles. *Publication 5905.1*
- 463* **Plasma Haptoglobin Concentrations in Very Preterm Infants Are Significantly Decreased in the First Weeks of Life.** Julie A. Keeth, Daniel J. Morton, Paul W. Whitby, Brianna C. Bright, Terrence L. Stull, Susana Chavez-Bueno. *Publication 5905.2*
- 464 **Fecal Calprotectin in 14 Very Low Birth Weight Infants during 1st Month of Life – A Potential Biomarker for Early Diagnosis and Response to Treatment of Necrotizing Enterocolitis.** Qing Yang, P. Brian Smith, Ronald N. Goldberg, Michael Cotten. *Publication 5905.3*
- 465* **Blood Lysophosphatidylcholine (LPC) and Its Molecular Species in the Neonatal Period.** Akihiro Takatera, Atsuko Takeuchi, Kayoke Saiki, Takeshi Morisawa, Ichiro Morioka, Naoki Yokoyama, Masafumi Matsuo. (Sponsored by David K. Stevenson) *Publication 5905.4*
- 466* **Does the Initiation of Enteral Feeds Affect Lymphocyte Count in Premature Infants?** Tracy L. Kruzick, Tarek A. Hammad, Mohamed Mohamed, Hany Aly. *Publication 5905.5*
- 467 **Effect of Prenatal Glucocorticosteroids on Neonatal Neutrophil Apoptosis.** Ch Agakidis, V. Tsimouli, K. Sarafidis, A. Taparkou, E. Diamanti, V. Soubasi, F. Kanakoudi-Tsakalidou. (Sponsored by Maria Delivoria-Papadopoulos) *Publication 5905.6*
- 468* **Deciphering the Checkpoints for B Cell Selection in Neonatal Cord Blood.** Kavita Kasat, Jie Xu, Karen Hendricks-Munoz, Amy Reichlin. *Publication 5905.7*
- 469* **DUSP5 Is Decreased by Intrauterine Growth Restriction in the Thymus and Spleen of Newborn Rats.** Yvonne M. Contreras, Sarah Jeffs, Xing Yu, Merica A. Hale, Robert McKnight, Shannon Jenkins, Robert Lane. *Publication 5905.8*
- 470 **Augmented Elaboration of Oncostatin M by Inflammatory Neonatal Neutrophils.** Mi Zhou, Patricia M. Schnulle, Kenneth O. Schowengerdt, Jr, Joyce M. Koenig. *Publication 5905.9*
- 471 **Primed Human Neonatal Neutrophils Exhibits Enhanced Transmigration Capability.** Elham Yektaei-Karin, Ali Moshfegh, Joackim Lundahl, Giovanna Marchini. (Sponsored by Hugo Lagercrantz) *Publication 5905.10*
- 472* **Small Lymphoid Aggregates in the Intestine Are Sites of Antigen Presentation and Regulatory T Cell Accumulation.** Joanna Halkias, Brad Podd, Kerstin Goth, Victoria Camerini. *Publication 5905.11*
- 473 **Breast Milk Can Facilitate IL-6 Trans-Signaling.** Kom Paramasivam, Andrew P. Jewell, Anna Agbugba, Colin A. Michie. *Publication 5905.12*
- 474* **Hypothermia Alters Inflammatory Cytokines and Lung Neutrophil Recruitment in Endotoxemic Mice.** Corrine R. Stewart, Jessica B. Paxton, Karen D. Fairchild. *Publication 5905.13*
- 475* **IUGR Alters Expression of IGF-1 in Female Rat Thymus.** Z. Zarbock, S.A. Jeffs, R.A. McKnight, S.L. Jenkins, RH Lane. *Publication 5905.14*
- 476 **Innate Immune Protein gp-340 Is Present in Human Amniotic Fluid and Exhibits More Resistance to Degradation by *Pseudomonas Aeruginosa* Elastase.** Ali Anari, John Ram, Pascal Djiadeu, Jeya Nadesalingam, Jaques Belik, Uffe Holmskov, Andres Lopez Bernal, Nades Palaniyar. *Publication 5905.15*
- 477* **The Effect of Time and Temperature on the Heat Shock Response.** Benedict E. Asiegbu, Ishwar S. Singh, Jeffrey D. Hasday. (Sponsored by Rose Viscardi) *Publication 5905.16*
- 478* **Ileal FcRn-IgG Binding Is Enhanced in a Rat NEC Model.** Jonathan R. Swanson, Tamas Jilling, Marek Marcinkiewicz, Phillip V. Gordon. *Publication 5905.17*

- 479 **Differences in Human Innate Immune Proteins SP-A and SP-D Concentrations in Amniotic Fluid.** Nades Palaniyar, Pascal Djiadeu, Jaques Belik, Martin Post, Grace Lee, Howard C. Clark, Kenneth B.M. Reid, Andres Lopez Bernal. *Publication 5905.18*
- 480* **Cord Blood Soluble CD30, Gestational Age and Labor.** Erin C. Hamilton Spence, James M. Murphy, David M. Riley, Gloria P. Heresi, John W. Sparks. *Publication 5905.19*
- 481* **The Role of Complement and CD14 in Meconium-Induced Cytokine Production.** Bodil Salvesen, Michael Fung, Ola D. Saugstad, Tom E. Mollnes. *Publication 5905.20*
- 482* **Effect of Dexamethasone Versus Interleukin-10 on Pro-Inflammatory and Anti-Inflammatory Functions of Neutrophils from Newborns.** Brett V. Citarella, Veronika Miskolci, Lina A. Elbash, Ivana Vancurova, Dennis Davidson. *Publication 5905.21*

5906 **Ureaplasma & Mycoplasma**

- 483 **Neonatal *Mycoplasma hominis* (MH) or *Ureaplasma urealyticum* (UU) Airways Colonization and Neurological Outcome in Very Preterm Infants.** Helene See, Julie Lachenaud, Patricia Mariani Krukdjian, Caroline Farnoux, Laure Maury, Marie Arsac, Fatima El Moussawi, Priscilla Armoogum, Edouard Bingen, Yannick Aujard, Olivier Baud. (Sponsored by Pierre Gressens) *Publication 5906.1*
- 484* **Enhanced Inflammatory Response and Delayed Pathogen Clearance in *Ureaplasma urealyticum* (UU)-Infected Surfactant Protein A (SP-A) Deficient Mice.** Mobolaji E. Famuyide, Heather C. Carter, Juren He, Jeffrey D. Hasday, Rose M. Viscardi. *Publication 5906.2*
- 485 **Ureaplasma Colonization of the Placenta and Preterm Birth.** Oluola Okunola, Lingkun Kong, Toni Fontenot, Mohan P. Venkatesh, Leonard E. Weisman. *Publication 5906.3*

5907 **Mycology & Fungal Disease**

- 486 **Antifungal Prophylaxis: Are the Preterm Infants with Gestational Age < 27 Weeks the More Appropriate Target?** Giovanni Vento, Valentina Vendettuoli, Milena Tana, Chiara Tirone, Simona Boccacci, Marilena La Sorda, Maurizio Sanguinetti, Brunella Posteraro, Costantino Romagnoli. *Publication 5907.1*
- 487 **Burden of Invasive Candida Infections (ICI) and Fluconazole Prophylaxis (FP) in Preterm Infants.** David Kaufman, A. Morris, D.K. Benjamin, M.J. Gurka, K.C. Wade, B. Smith, B. Kapik, S. Hetherington. *Publication 5907.2*
- 488* **The Role of Paneth Cells in Neonatal Gastrointestinal and Invasive Candidiasis.** Christina M. Long, Lamia M. Soghier, David L. Goldman. (Sponsored by Deborah Campbell) *Publication 5907.3*
- 489 **Relative Frequencies of *Candida* subspecies in Fungal Isolates from Preterm Infants Exposed to Fluconazole Prophylaxis in a Neonatal Intensive Care Unit over a 5-Year Period.** Paolo Manzoni, Michael Mostert, Maria Agnese Latino, Riccardo Arisio, MariaLisa Leonessa, Daniele Farina, Giovanna Gomirato. (Sponsored by David Kaufman) *Publication 5907.4*

5908 **Neonatal Virology & Toxoplasmosis**

- 490 **Rotavirus Infection in Newborns.** Chang-Ryul Kim, Jae Won Oh, Myung Kul Yum, Sung Hee Oh, Soo Ji Moon, Jung Oak Kang, Jung Han Lee, Paul Kilgore. *Publication 5908.1*
- 491 **The Impact of Herpes Simplex Virus (HSV) on Hospitalized Infants.** Scott A. Lorch, Andrea Millman, Samir Shah. *Publication 5908.2*
- 492* **Persistence of Herpes Simplex Virus (HSV) DNA by Polymerase Chain Reaction (PCR) in Cerebrospinal Fluid (CSF) of Neonates (NEO) with HSV Encephalitis.** Asuncion Mejias, Raul Bustos, Charina Ramirez, Monica I. Ardura, Pablo J. Sanchez. *Publication 5908.3*
- 493 **Severe Human Parechovirus Infection in the Neonatal Period.** Malgorzata A. Verboon-Macielek, Tannette G. Krediet, Floris Groenendaal, Linda S. de Vries, Leo J. Gerards, Anton M. van Loon. *Publication 5908.4*
- 494 **Variation of Cytomegalovirus (CMV) Strain Genotypes from Birth to Three Years of Age in Congenitally Infected Children.** Aparecida Y. Yamamoto, Marisa M. Mussi-Pinhata, Virginia M. Wagatsuma, Lauro J. Marin, Luiz T. Figueiredo. (Sponsored by Jennifer S. Read) *Publication 5908.5*
- 496* **Neonatal Herpes Simplex (HSV) Disease: 25 Year Experience at Texas Children's Hospital (TCH).** Jenny L. Ravenscroft, Andreea C. Cazacu, Andrea T. Cruz, Gail J. Demmler. *Publication 5908.7*
- 497 **(Moved to Poster Session III, Monday, Poster 307A) A Molecular Model of IL1B Transcriptional Inhibition by Human CMV IE2 Protein.** James A. Listman, JoAnne E. Race, Sebnem Unlu, Philip E. Auron. (Sponsored by Thomas R. Welch) *Publication 5908.8*
- 498* **Ocular Manifestations in Infants with Congenital Toxoplasmosis.** Carla Romagnoli, Gabriella P. Bento, Luiz Fernando F. Silva, Edna Maria A. Diniz. (Sponsored by Cleide Sugiuhara) *Publication 5908.9*

5909 **Miscellaneous**

- 499* **Renal Imaging Following Urinary Tract Infections among Hospitalized Infants.** Lisa A. Nowell, P. Brian Smith, Patrick Seed, Barbara D. Alexander, C. Michael Cotten, Daniel K. Benjamin. *Publication 5909.1*
- 500* **Does Gravity Affect Bacterial Colonization of the Respiratory System in Tracheally Intubated Infants? A Randomized Controlled Trial (RCT).** Magda Badawy, Amany El-kholy, Reem Nabil, Afaf Mohamed, Hany Aly. *Publication 5909.2*

Neonatal Infectious Diseases/Immunology (PAS/PIDS)

5910 Neonatal Pharmacology & Antibiotics

- 501* **Efficacy of Ciprofloxacin (CIP) in an Experimental Model of *Escherichia coli* Chorioamnionitis in Rabbits.** Elise LLaunay, Nicolas Joram, Cedric Jacqueline, Jocelyne Caillon, Jean Christophe Roze, Christele Gras-Le Guen. (Sponsored by Dominique Darmaun) *Publication 5910.1*
- 502* **Development of Linezolid Enterococci Resistance Following the Introduction of Linezolid in NICU.** Nawaf Al Dajani, Edith Blondel-Hill, Horacio Osioovich, Eva Thomas, Wilson Tsang, Simon Dobson. (Sponsored by Philippe Chessex) *Publication 5910.2*
- 503 **PAI-1 Kinetics during the First Day of Life: Correlation with Maternal and Neonatal Adipokines.** Olympia Kastanidou, Olga Giannouli, Maria Skouroliakou, George Liosis. (Sponsored by Apostolos Papageorgiou) *Publication 5910.3*
- 504* ***Malassezia pachydermatis* Infections in the Neonatal Intensive Care Unit.** Eun-Song Song, Jung-Hee Shin, Young-Youn Choi. *Publication 5910.4*
- 505* **Validation of a Random Concentration-Time Curve (GENT Curve) for Once-Daily Dosing of Gentamicin (GENT) among Infants ≥ 35 Weeks Gestation.** R.P. Santos, J. Gard, B. Adams-Huet, J. Ruparel, R. Leff, M. Bush, K. Martin, S. Tharayl, B. Olesen, D. Vedro, J. Vinson, E. Stehel, P.J. Sanchez. *Publication 5910.5*
- 506 **Predictability of Vancomycin Serum Concentrations from Initial Vancomycin Dosing Regimens in Newborns.** Marianne Lulic-Botica, Victoria Tutag Lehr, Kelly Dwyer, Raymond Cha, J.V. Aranda. *Publication 5910.6*

Neonatal Epidemiology

5911 Neonatal Outcomes

- 507* **Effects of High and Low Postnatal Dexamethasone Doses on Pulmonary and Neurodevelopmental Sequelae in Preterm Infants.** Wes Onland, Anne P. de Jaegere, Martin Offringa, Anton H. van Kaam. (Sponsored by J.H. Kok) *Publication 5911.1*
- 508 **Complication Rates for Moderate Preterm Infants Born Small for Gestational Age.** Sharon Kirkby, Wendy Turenne, Jennifer Culhane, David Webb, Susan Adeniyi-Jones. (Sponsored by Jay S. Greenspan) *Publication 5911.2*
- 509 **Maternal SES and Infant Health at Birth: Evidence of Protective Factors among 880 At-Risk, Urban African American Women.** Jill Joseph, Marie Gantz, Michele Kiely, Nabil El-Khorazaty. *Publication 5911.3*
- 510* **Perinatal Asphyxia and Early Neonatal Deaths in São Paulo State of Brazil: 2001 - 2003.** Mandira Daripa, M. Fernanda B. de Almeida, Ruth Guinsburg, Helena M.G. Caldas, Margarete Jordani, Luiz P.O. Flores, Bernadette Waldvogel. *Publication 5911.4*
- 511 **Mode of Delivery: Impact on Neonatal Outcomes for a Cohort of Term Infants Born between 1983 and 2004.** Ernesto R. Alda, Maria E. Esandi. (Sponsored by Nestor Vain) *Publication 5911.5*
- 512 **Prolonged Treatment of Preterm Infants with Dexamethasone: Effect on Attention and Hyperactivity at 8-10 Years of Age.** Lisa K. Washburn, Patricia Nixon, Donald J. Goldstein, T. Michael O'Shea. *Publication 5911.6*
- 513 **Neurodevelopmental Outcome at 4-Years of Age of a Cohort of Infants at High Risk of Brain Damage Born in 1999-2002.** Serafina Perrone, Maria Gabriella Gatti, Maria C. Muraca, Carlo Bellieni, Piero Vezzosi, Maria Carla Contorni, Franco Bagnoli, Giuseppe Buonocore. *Publication 5911.7*
- 514* **Intellectual and Neuromotor Improvement of VLBW Children between Six and Ten Years of Age.** Michel M. Schneider, Vera Dietz, Hans U. Bucher, Beatrice F. Latal. *Publication 5911.8*
- 515 **Comparison of Neuromotor and Cognitive Outcomes with Extent of Placental Inflammation.** Karen Mestan, Bethany Demmin, Malika Shah, Marissa deUngria, Raye-Ann deRegnier. *Publication 5911.9*
- 516 **Do Female Premature Infants Really Do Better Than Males?** Daniel G. Batton, Tammy L. Swails. *Publication 5911.11*
- 517* **Gender Modifies the Neurodevelopmental Effects of Perinatal Stressors.** Jiliu Xu, Bernie Z. Karmel, Judy M. Gardner, Michael J. Flory, Anantham Harin, Anthony Barone, Simon S. Rabinowitz. *Publication 5911.12*
- 518 **Apgar and Long-Term Risk of Hospitalization: Is the Score Measuring Something More?** Douglas P. Jutte, Marni Brownell, Noralou P. Roos, Monica Sirski, S. Leonard Syme, W. Thomas Boyce. *Publication 5911.13*
- 519* **Neurodevelopmental Outcome of Very Low Birth Weight Infants after Intervention for Patent Ductus Arteriosus with Cyclooxygenase Inhibitors.** Petra S. Koehne, Dorothee Helfenstein, Christiane Pees, Elisabeth Walch, Michael Obladen. (Sponsored by Thomas H. Shaffer) *Publication 5911.14*
- 520* **Echocardiographic Parameters Predicting Failure of Ibuprofen Treatment for Patent Ductus Arteriosus in Infants below 28 Weeks Gestational Age.** Petra S. Koehne, Pees Christiane, Michael Obladen. (Sponsored by Thomas Shaffer) *Publication 5911.15*
- 521 **Neurodevelopmental Outcome in Extremely Preterm Infants Identified with a Unilateral Echodense Lesion on Cranial Ultrasounds.** Elizabeth Asztalos, Maureen Luther, Maralyn Lacy, Denise Hohn. *Publication 5911.16*
- 522 **Outcome Trends of Infants Weighing Less Than 800 Grams at Birth.** Timothy R. La Pine, Michael D. Neufeld, Forrest C. Bennett. *Publication 5911.17*

- 523 **Neurodevelopmental Outcomes after Surgery for Hypoplastic Left Heart Syndrome: Preliminary Results of a Surgical Modification.** Reg Sauve, Charlene Robertson, Ari Joffe, Joseph Atallah, Mary Seshia, Joyce Harder, John Dyck, David Ross, Ivan Rebeyka. *Publication 5911.18*
- 524* **The Association of Apgar Scores with Cognitive Outcomes in Adolescence and Early Adulthood.** David E. Odd, Andrew Whitelaw, David Gunnell, Glyn Lewis, Finn Rasmussen. *Publication 5911.19*
- 525 **Changes in Postnatal Steroid Use and Neurodevelopmental Outcome of Extremely Low Birth Weight Infants.** C. Mercier, K. Ferrelli, D. Howard, R. Soll, the Vermont Oxford Network Follow-Up Study Group. *Publication 5911.20*
- 526* **Neurobehavioral Assessment Predicts Motor Outcome in Preterm Infants.** Bonnie E. Stephens, Jing Liu, Barry Lester, Linda Lagasse, Seetha Shankaran, Henrietta Bada, Charles Bauer, Abhik Das, Rosemary Higgins. *Publication 5911.21*
- 527 **Cystic PVL and Acquired Neonatal Gut Disease: Randomized Controlled Trials Need Stratification by Disease.** Joshua T. Attridge, Jon Swanson, Matt Gurka, Santina Zanelli, Phillip Gordon, David Kaufman, Amy Morris. *Publication 5911.22*
- 528 **Does Oxygen Dependence at Discharge Predict Poor Respiratory Outcome, Poor Growth & Neurosensory Impairment in Infants with Bronchopulmonary Dysplasia?** Abhay Lodha, Reg Sauve, Nalini Singhal, Heather Christianson, Sophie Chen, Muhammad Naseem. *Publication 5911.23*
- 529* **Macrocephaly in Former Preterm Infants: A 'Growing' Concern?** Frances Orlando, Noah Cook, Nancy Brodsky, David Shera, Hallam Hurt. *Publication 5911.24*
- 530* **Heart Rate Characteristics (HRC) and Neurodevelopmental Outcome in Very Low Birth Weight (VLBW) Infants.** Kevin C. Addison, M. Pamela Griffin, Douglas Lake, J. Randall Moorman, T. Michael O'Shea. *Publication 5911.25*
- 531* **Conventional (T1 & T2) vs Diffusion Weighted (DWI) MRI for Outcome Prediction in Neonatal Hypoxic Ischemic Encephalopathy (HIE).** S. Hamadah, K.-S. Lee, S. Blaser, E. Sell, E. Donner, A. Moore, H. Whyte. *Publication 5911.26*
- 532* **Corpus Callosum in Relation to Motor Performance in 9-10 Year Old Children with Neonatal Encephalopathy.** Britt J.M. van Kooij, Marielle van Handel, Cuno S.P.M. Uiterwaal, Floris Groenendaal, Rutger-Jan A.J. van Nieuvelstein, Karin J. Rademaker, Marian J. Jongmans, Linda S. de Vries. *Publication 5911.27*
- 533 **Neonatal Course and Early Outcome of Infants with Hypoxic Ischemic Encephalopathy (HIE) Treated with Selective Brain Cooling.** Shobhana Desai, Christian Stanley, Susan Adeniyi-Jones, Susan V. Duff, Vidula Damle, Jay S. Greenspan. *Publication 5911.28*
- 534 **Transport of Premature Infants Increases the Risk for Intraventricular Hemorrhage: Myth or True?** Mohamed A. Mohamed, Hany Z. Aly. *Publication 5911.29*
- 535 **Postnatal Cocaine Exposure and Behavioral Outcome in Early Adolescence.** M. Behnke, F. Eyler, T. Warner, C. Garvan, W. Hou, N. Szabo. *Publication 5911.30*
- 536 **Abnormal Neurodevelopmental (ND) Outcome at 2 Years of Age in Infants Prenatally Exposed to Pesticide.** E.M. Ostrea, Jr, A. Reyes, R. Pacifico, B. Benitez, E. Villanueva-Uy, E. Ramos, P. Mateo, V. Delaney-Black, D. Bielawski, J. Janisse, J. Ager. *Publication 5911.31*
- 537 **Antenatal Steroids Decrease the Need of Chest Compressions and/or Medications at Birth in VLBW Preterm Infants.** M. Fernanda B. de Almeida, Ruth Guinsburg, for the Brazilian Network on Neonatal Research. *Publication 5911.32*
- 538 **Blood Lead Changes during First Two Years of Life in the Infants Born to Women with High Lead Concentration.** Tatyana Gabinsky, Asha Ittoop, Claudia Cosmineanu, Gospodin Stefanov, Melvin Gertner. (Sponsored by Jing Lin) *Publication 5911.33*
- 539 **Maternal Poly-Drug Use in a Rural Setting.** Eric W. Reynolds, Hongying Dai, Henrietta S. Bada. *Publication 5911.34*
- 540 **Detection of Fetal Exposure to Paraquat by Gas Chromatography/Mass Spectrometry (GC/MS) Analysis of Meconium.** Norberto C. Posecion, Jr, Enrique M. Ostrea, Jr, Dawn M. Bielawski. *Publication 5911.35*
- 541 **Incorporation of Physiologic Trend and Interaction Effects in Neonatal Severity of Illness Scores: An Experiment Using a Variant of the Richardson Score.** Michael W. Kuzniewicz, David Draper, Gabriel J. Escobar. *Publication 5911.36*
- 542 **Autonomic Reactivity and Car Seat Test Performance in Preterm Infants.** Lisa Eiland, Michael Myers, William Fifer, Rakesh Sahni. *Publication 5911.37*
- 543 **The ELBW Infant at School Entry: A Population-Based Cohort Study.** Jennifer Heath, Dianne Creighton, Sophie Chen, Heather Christianson, Reg Sauve. *Publication 5911.38*
- 544* **Are Moderate Term SGA Adults at Risk for Later Problems with Attention/Executive and Memory Functions?** Gro Christine C. Lohaugen, Jon S. Skranes, Ann-Mari Brubakk. *Publication 5911.39*
- 545 **Hidden Markov Models in Longitudinal Studies of Children with Special Health Care Needs (CSHCN).** T. Michael O'Shea, Janeen Manuel, Qiang Zhang, Eddie Ip. *Publication 5911.40*
- 546 **Development of Late Preterm Infants at 4 Years of Age.** J.M. Kerstjens, J.L. Molen, van de, B. Poortland, A.F. Bos, L.M.J. Vergert, ten, S.A. Reyneveld, P.R. Butcher. *Publication 5911.41*
- 547* **Use of Event-Related Potentials To Assess Language and Developmental Outcome in Extremely-Low-Birth Weight Infants.** Aimee C. Knorr, Richard A. Ehrenkranz, Dennis L. Molfese, Eric Langlois, Linda Mayes. *Publication 5911.42*
- 548 **Growth and Neurodevelopmental Outcome of Very Low Birth Weight Infants Delivered by Pre-Eclamptic Mothers.** Rita C. Silveira, Ana C. Benjamin, Mariana G. Oliveira, Maike K, Renato S. Procianny. (Sponsored by Jaques Belik) *Publication 5911.43*

- 549 Growth Comparison of Late Preterm vs. Very Preterm Infants at 12 Months Corrected Age.** Jordan Kase, Jessica Kalia, Heather Brumberg, Paul Visintainer, Maria Pici. *Publication 5911.44*
- 550* Growth and Development of Infants with Gastroschisis at 16 to 24 Months.** Andrew South, Diane Marshall, Carl Bose, Matthew Laughon. *Publication 5911.45*
- 551* Factor H Related Protein 1 Deficiency and Atypical Hemolytic Uremic Syndrome.** Aoife M. Waters, Mohammed Al Maghrabi, Peter Zipfel, Christoph Licht. (Sponsored by Norman D. Rosenblum) *Publication 5911.46*

7:15pm–8:30pm

5960A Neonatal Hemodynamics Club

FRY, Canadian

Management of Low Systemic Blood Flow in VLBW Neonates During Postnatal Transition

Mary Paradisis, University of Sydney, Sydney, Australia

Nick Evans, Royal Prince Alfred Hospital and University of Sydney, Australia

Supported in part by unrestricted educational grants from Dey, L.P. and the USC Division of Neonatal Medicine

8:00pm–10:00pm

5980A ASPN Member Reception

FRY, Upper Canada (18th Floor)

Welcome Residents

Fellow Research Awards

Presenter:

Carl M. Bates, Children's Hospital of Columbus, Columbus, OH

ASPN Trainee Basic Research Award Recipients:

Amit Dagan, Fellow; University of Texas Southwestern, Dallas, TX

Prenatal Programming of Rat Proximal Tubule Na/H Exchanger

Rasheed Gbadegesin, Fellow, University of Michigan, Ann Arbor, MI

Mutations in PLCE1/NPHS3 Are a Major Cause of Non-Syndromic Diffuse Mesangial Sclerosis

ASPN Trainee Clinical Research Award Recipient:

Tammy Brady, Fellow, John Hopkins University, Baltimore, MD

Prevalence and Predictors of Unrecognized High Blood Pressure (BP) in Children