



# 2007 Pediatric Academic Societies' Annual Meeting

May 5–May 8 ~ Toronto, Canada

**Daily Schedule:  
Sunday, May 6**

**Legend: TCC=Toronto Convention Center**

**FRY=Fairmont Royal York**

(as of April 30, 2007)

## **PAS Meet the Professor**

### **Breakfast Sessions**

The purpose of these sessions is to provide trainees and junior faculty the opportunity to meet with senior academic physicians who can provide insights in their field and provide career guidance in a small interactive group. Attendance at each session is limited and available on a first-come, first-served basis to maintain an intimate interactive format.

✧ Of special interest to trainees and junior faculty

7:00am–8:00am

#### **6005 Critical Care/Pulmonary**

PAS Meet the Professor ~ Intercontinental, Wellington

This session is designed to provide residents, fellows, or junior faculty an opportunity to discuss paths towards the development of an academic career. I will provide overview of training opportunities and common means to pursue them. Of more importance, I will encourage individuals share experience, concerns, questions, and obstacles that likely represent common themes. This is intended to help participants explore means for pursuing their interests, understand the natural and man-made barriers to success, and consider strategies that will be productive in the creation of a satisfying and challenging career.

#### **George Lister**

Professor and Chairman, Department of Pediatrics, Robert L. Moore Chair in Pediatrics, University of Texas Southwestern Medical Center, Pediatrician-in-Chief, Children's Medical Center Dallas

7:00am–8:00am

#### **6006 Medical Education**

PAS Meet the Professor ~ Intercontinental, Halton

##### **Curricula Development and Dissemination**

In small group format, we will discuss how junior faculty can build a career in medical education through curricula development and dissemination. We will explore ways you can develop new curricula and evaluation tools a) with colleagues in other disciplines at your own institution or b) with colleagues in other institutions regionally or nationally. Bring your ideas along and we can think together about steps for successful collaboration and ways to net-work.

#### **Diane Kittredge**

Professor of Pediatrics, Dartmouth Medical School, Lebanon, NH

7:00am–8:00am

#### **6007 Emergency Medicine**

PAS Meet the Professor ~ Intercontinental, Kingsway

This session is geared towards junior faculty and trainees in Pediatric Emergency Medicine (or those considering this as a career option). The leader of the session will provide insight into research, administrative, clinical, or other professional issues regarding the field. In addition, the session leader will discuss issues of work/life balance, mentorship, and other related topics. This will be a highly interactive session, with much time free to answer questions from participants.

#### **Nathan Kuppermann**

Professor, Departments of Emergency Medicine and Pediatrics, Bo Tomas Brofeldt Endowed Chair, and Director of Research, Department of Emergency Medicine, University of California, Davis School of Medicine, Chair, Steering Committee, Pediatric Emergency Care Applied Research, Network (PECARN)

7:00am–8:00am

#### **6008 Endocrinology**

PAS Meet the Professor ~ Intercontinental, Caledon

##### **Building an Academic Career Around Clinical Research**

This session is designed to provide trainees and junior faculty with a perspective on how a pediatrician can build an academic career based on clinical research. Physician scientists are in a unique position to combine science and clinical care. This session will describe the process of career development, focusing on training, identifying and investigating clinical problems, obtaining funding, and building mentoring networks.

**Antoinette Moran**

Professor and Division Chief, Pediatric Endocrinology and Diabetes, University of Minnesota Children's Hospital, Minneapolis, Minnesota

7:00am–8:00am

**6009 General Pediatrics**

PAS Meet the Professor ~ Intercontinental, Oakville

**Filling the Gaps in GAP (General Academic Pediatrics)**

There are many paths to academic success in General Academic Pediatrics. This session will allow participants to learn to self-recognize their strengths, package these strengths into viable proposals and negotiate for resources including time and staff support. Options for part-time and alternative work options will also be discussed, as will barriers to success, and approaches to navigating around these barriers. Participants are encouraged to bring the issues they face at their own institutions for discussion.

**Carol D. Berkowitz**

Executive Vice Chair, Department of Pediatrics, Harbor-UCLA Medical Center, Professor of Clinical Pediatrics, David Geffen School of Medicine at UCLA, Torrance, CA

7:00am–8:00am

**6010 Hematology/Oncology**

PAS Meet the Professor ~ Intercontinental, High Park

**Careers in Pediatric Hematology-Oncology**

Many exciting pathways are open for young pediatricians interested in a career in hematology-oncology. Opportunities in laboratory and translational discovery are balanced by an increasing array of formal training opportunities in patient-oriented research. Clinical practice with participation in clinical research and/or in medical education also offer exciting academic career pathways.

**George R. Buchanan**

Professor of Pediatrics, Director, Division of Hematology-Oncology, Department of Pediatrics, The University of Texas Southwestern Medical Center at Dallas and Children's Medical Center Dallas, Dallas, TX

7:00am–8:00am

**6011 Infectious Diseases**

PAS Meet the Professor ~ Intercontinental, Grenadier

**Juggling Life with a Career as a Physician Scientist in Infectious Diseases**

This session is designed to provide trainees and junior faculty with insight and advice concerning the pursuit of an academic career in pediatric infectious diseases that combines research, teaching, and clinical care. Attention will be given to strategies to successfully juggle the demands of basic or translational research, while actively pursuing clinical ID. Strategies for balancing academic and personal life will be emphasized. The need for protected time and the role of mentors and a supportive environment in ensuring success in obtaining extramural support and publishing, the critical elements of an academic career, will be discussed.

**Betsy C. Herold**

Professor of Pediatrics & Microbiology, Chief, Division of Pediatric Infectious Diseases, Mount Sinai School of Medicine, New York, NY

7:00am–8:00am

**6012 Neonatology**

PAS Meet the Professor ~ Intercontinental, Ballroom A

**The Secret Life of Neonatologists (or how to cultivate your career)**

In this interactive session for trainees and junior faculty, the many ways to approach an academic career in Neonatology will be entertained with a focus on common themes and not so common outcomes. This will include a discussion about creating a marketable niche on the road to career satisfaction.

**Phyllis A. Dennery**

Professor of Pediatrics, University of Pennsylvania School of Medicine, Werner and Gertrude Henle Chair, and Chief, Division of Neonatology, Children's Hospital of Philadelphia, Philadelphia, PA

7:00am–8:00am

**6013 Neonatology**

PAS Meet the Professor ~ Intercontinental, Ballroom B

The session is designed to provide trainees and junior faculty with insight and advice concerning the pursuit of an academic career in Neonatology. This will be an interactive discussion. Specific attention will be paid to mentoring, creating a career niche, career trajectories, leadership roles and training, and the balance of personal and academic life.

**Barbara J. Stoll**

George W. Brumley, Jr., Professor and Chair, Department of Pediatrics, Medical Director, Children's Healthcare of Atlanta at Egleston

7:00am–8:00am

**6014 Nephrology**

PAS Meet the Professor ~ Intercontinental, Haliburton

**Considering and Building a Career in Pediatric Nephrology**

This session is, aimed at trainees and younger faculty or practitioners who are considering or are early in the development of a career in pediatric nephrology. The discussion will include: career opportunities and choices, academics, ongoing training, mentorship, current workforce issues and a look into the future.

**Aaron Friedman**

Sylvia Kay Hassenfeld Chair of Pediatrics, Brown Medical School, Medical Director, Hasbro Children's Hospital, Providence, RI

7:00am–8:00am

**6015 Nephrology**

PAS Meet the Professor ~ Intercontinental, Humber

**A Career in Pediatric Nephrology: Cells to Society**

This informal session will provide an opportunity for trainees and junior faculty to explore the breadth of career opportunities in pediatric nephrology. The unique attributes of pediatric nephrology include the span of patient age from fetus to young adult; the nephron (renal biopsy) to the “whole patient” approach (electrolytes, acid-base); ICU to outpatient settings; and basic science to outcomes research. Aspects for discussion will include factors to consider in choice of fellowship and faculty position, career advancement, and the community of pediatric nephrology in the US and internationally.

**Robert L. Chevalier**

Benjamin Armistead Shepherd Professor and Chair, Department of Pediatrics, University of Virginia, Charlottesville, VA

7:00am–8:00am

**6018 APA Past Officers' Breakfast**

FRY, Confederation 3

7:45am–9:00am

**6020A LWPES Business Meeting**

TCC, Room 105

8:00am–10:00am

**6025 Diarrhea: Congenital Disorders, Therapeutics and Relation to Chronic GI Disease**

PAS/NASPGHAN Topic Symposium ~ TCC, Room 718A

Target Audience: General pediatricians, pediatric gastroenterologists, neonatologists, infectious disease specialists.

Objectives:

- Identify the mechanisms of and diagnostic approaches to congenital diarrheas of infancy
- Discuss the management of acute diarrheas by fluid/electrolytes, micronutrients and antidiarrheals
- Describe the use of pre- and probiotics in the treatment of diarrhea
- Understand the link between acute enteric infections and development of functional GI disorders

Chairs: B Li, Children's Hospital of Wisconsin, Medical College of Wisconsin, Milwaukee, WI; and John Udall, West Virginia University, Charleston, WV

This symposium will focus on new mechanisms of congenital diarrheas, and new therapeutic approaches and potential sequelae of infectious diarrheas. The mechanisms of (including the role of neuroendocrine cells) and diagnostic approaches to congenital diarrheas of infancy (e.g. glucose-galactose malabsorption) will be discussed. The rationale and evidence-base for two therapeutic approaches – conventional and novel – to management of acute infectious diarrheas will be discussed: 1)

agents fluid and electrolyte therapy, micronutrient adjuncts (e.g. zinc), and antidiarrheals (e.g. racecadotril, smectite), and 2) the novel use of both pre- (e.g. fructo-oligosaccharides) and probiotics (e.g. lactobacillus GG). Finally, the growing animal and human evidence demonstrating that acute enteric infections can lead to altered enteric nervous system function and life long functional GI disorders (e.g. irritable bowel syndrome) will be reviewed.

**8:00 Congenital Diarrheas: Old and New Mechanisms**

Martin G. Martin, UCLA School of Medicine, Los Angeles, CA

**8:25 New Developments in Acute Diarrhea Management: Salt, Water and Minerals**

Christopher P. Duggan, Children's Hospital, Boston and Harvard Medical School, Boston, MA

**8:50 Therapeutics: Do Pre- and Probiotics Work?**

Karen Madsen, University of Alberta, Edmonton, Alberta, Canada

**9:15 Does Infectious Diarrhea Lead to Chronic GI Disorders?**

Kim E. Barrett, University of California San Diego School of Medicine, San Diego, CA

**9:40 Discussion**

*Sponsored jointly by the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition and the Pediatric Academic Societies*

8:00am–10:00am

**6027 New Themes in Neonatal Neurology**

PAS/CNS Topic Symposium ~ TCC, Room 801A

Target Audience: Neonatologists, developmental pediatricians, neurologists and developmental biologists.

Objectives:

- How advances in fetal MRI neuroimaging will influence clinical practice in neonatology
- The potential impact of cerebellar injury on neurodevelopmental outcome
- The potential risks and benefits of neurotrophic factor therapy after neonatal brain injury
- The potential impact of gender and specific genetic factors on brain development and susceptibility to neonatal brain injury

Chairs: Faye Silverstein, University of Michigan, Ann Arbor, MI; and Donna Ferriero, University of California, San Francisco, CA

The goal is to introduce four novel and important "hot topics" in Neonatal Neurology to a broader audience.

1) Fetal MRI is rapidly gaining acceptance as a diagnostic tool. Dr. Glenn is an expert in fetal neuroradiology and many clinicians will be interested in this topic; 2) Recent studies have identified the cerebellum as a brain region that is vulnerable to perinatal/neonatal injury. Dr. Limperopoulos has made major contributions to the understanding of the impact of early cerebellar injury on neurodevelopmental outcome and will provide an overview of both the structural and functional consequences of this lesion; 3) There is excitement about the potential therapeutic roles of trophic factors to enhance recovery after neonatal brain injury, but recent work from Dr. Gressens' lab has identified potential risks of one of these factors and he can provide a balanced overview of potential risks and benefits of trophic factors in the injured neonatal brain; 4) Recent studies are beginning to delineate the impact of gender and genetic background on normal brain development, on susceptibility to brain injury and on intrinsic recovery mechanisms. This is a topic of interest to basic scientists and clinicians.

Dr. Ment's cohort of indomethacin-treated neonates have yielded interesting data, relevant to this theme, and her current research is addressing genetic mechanisms that influence susceptibility to neonatal brain injury.

**8:00 Fetal Neurology—MRI Neurodiagnostics**

Orit A. Glenn, University of California, San Francisco, San Francisco, CA

**8:30 The Impact of Early Life Cerebellar Injury on Subsequent Brain Structure and Function**

Catherine Limperopoulos, McGill University, Montreal Children's Hospital, Montreal, Quebec, Canada

**9:00 Trophic Factors—Risks and Benefits in the Injured Neonatal Brain**

Pierre M. Gressens, Inserm, Paris, France

**9:30 Gender, Genes and Brain Development**

Laura R. Ment, Yale University School of Medicine, New Haven, CT

*Sponsored jointly by the Child Neurology Society and the Pediatric Academic Societies*

8:00am–10:00am

**6030A Pathophysiology of Obstructive Uropathy**

ASPEN Symposium ~ TCC, Room 713AB

Target Audience: Clinicians and researchers who wish to learn more about the effects of obstructive uropathy on the bladder and the kidney in different animal models.

Objectives:

- Understand the importance of obstructive uropathy in the pediatric population
- Understand the different types of obstructive uropathy
- Understand the importance of animal models in elucidating the mechanisms and consequences of obstructive uropathy

Chairs: Carlton Bates, Children's Hospital of Columbus, Columbus, OH; and Patrick Brophy, University of Michigan and C.S. Mott Children's Hospital, Ann Arbor, MI

Obstructive uropathy remains the leading cause of chronic renal failure in children. Obstruction can be structural or functional and can occur at various levels along the urinary tract including the urethral outlet, the bladder and the ureters. This symposium will focus on different models of obstructive uropathy. The first talk will focus on molecular control of ureteral insertion into the bladder, with implications for ureteropelvic junction obstruction. The second talk will describe the pathophysiological changes in the kidney in response to unilateral ureteral obstruction. The third talk will describe a novel transgenic insertional mutant mouse that fails to properly develop bladder smooth muscle in utero leading to a functional obstructive uropathy and renal failure after birth. The final talk will describe how urethral outlet obstruction leads to alterations in detrusor smooth muscle structure and function, with implications for chronic bladder dysfunction after release of obstruction.

**8:00 Overview**

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

**8:10 Molecular Mechanisms Underlying Ureter Morphogenesis**

Cathy Mendelsohn, Columbia University Medical Center, New York, NY

**8:35 The Response of the Developing Kidney to Ureteral Obstruction**

Robert L. Chevalier, University of Virginia, Charlottesville, VA

**9:00 Identification of a Unique Transgenic Mouse Line that Develops Megabladder, Obstructive Uropathy and Renal Dysfunction**

Kirk M. McHugh, Ohio State University College of Medicine and Columbus Children's Research Institute, Columbus, OH

**9:25 Remodeling of Urinary Bladder Smooth Muscle in Outlet Obstruction**

Samuel K. Chacko, University of Pennsylvania Medical Center, Philadelphia, PA

**9:50 Discussion**

8:00am–10:00am

**6035 Pediatric Subspecialty Fellows as Teachers—Design and Implementation of an Effective Curriculum**

PAS/APPD Mini Course ~ TCC, Room 715B

Target Audience: Attendees involved with fellowship programs.

Objectives:

- List topics that can be covered in a teaching program designed for fellows
- Discuss potential implementation plans at their own institution, using examples provided in the mini-course

Chair: Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

Pediatric Subspecialty Fellowships have a new set of requirements from the ACGME. Among those requirements are specific expectations for fellow education in their role as educators. Fellowship curricula must lead to an understanding of the principles of adult learning, provide skills to allow fellows to participate effectively in curriculum development, delivery of information, provision of feedback to learners, and assessment of educational outcomes. This is a new concept in specialty fellowship education and there are several innovative programs that have years of experience with this, and others with more recent efforts. Fellowship programs with experience in this arena will share their knowledge, materials and experience with attendees in an open and interactive manner. Attendees will leave with information that will allow them to adapt rather than recreate similar formats in their home programs.

**8:00 Introduction**

Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

**8:05 Uniformed Services Fellows as Teachers Program**

Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

**9:05 Johns Hopkins General Pediatrics Fellows as Teachers Program**

Janet R. Serwint, Johns Hopkins University School of Medicine, Baltimore, MD

*Sponsored jointly by the Association of Pediatric Program Directors, Council on Pediatric Subspecialties and the Pediatric Academic Societies*

8:00am–10:00am

**6040 Update in Adolescent Medicine: Current Issues in Gynecology and Psychopharmacology**

PAS/SAM Mini Course ~ TCC, Room 205AC

Target Audience: General pediatricians, behavioral-developmental pediatricians and adolescent medicine specialists.

Objectives:

- Understand the new developments in contraception for adolescents
- Understand what antidepressant medications are approved for use in adolescents
- Understand what new anti-ADHD medications are being developed for use in adolescents

Chair: Donald E. Greydanus, Michigan State University College of Human Medicine, Kalamazoo, MI

This mini-course will provide an update in adolescent medicine in two important and popular areas: Adolescent Gynecology and Adolescent Psychopharmacology. Part I will review critical areas of adolescent gynecology—contraception and menstrual disorders. The discussion on contraception will focus on new oral contraceptives (including those that extend menstrual-free cycles), emergency contraception, the contraceptive patch and the vaginal ring. The menstrual disorders session will cover current concepts of management of dysmenorrhea, dysfunctional uterine bleeding and amenorrhea. Part II is the adolescent psychopharmacology session and will focus on current research dealing with the use of medication for ADHD and depression in the adolescent. New medications for ADHD are being developed and these will be discussed, including the methylphenidate patch, newer amphetamine products, longer-acting alpha-2 agonists and others. The current research on the effectiveness of antidepressant medication in the adolescent will be reviewed, as well as the adverse effects of these medications on this age group.

**8:00 Introduction**

Donald E. Greydanus, Michigan State University College of Human Medicine, Kalamazoo, MI

**8:05 Adolescent Gynecology**

Artemis K. Tsitsika, Aglaia Kyriakou Children's Hospital, University of Athens, Athens, Greece

**8:55 Adolescent Pharmacology—Focus on ADHD and on Depression**

Chris K. Varley, University of Washington School of Medicine, Children's Hospital and Regional Medical Center, Seattle, WA

*Sponsored jointly by the Society for Adolescent Medicine and the Pediatric Academic Societies*

8:00am–10:00am

**6045 Update on the Use of IVIG in Immunodeficiency, Infectious Diseases and Autoimmunity, Including Subcutaneous IG**

PAS/ASPHO/PIDS Mini Course ~ TCC, Room 701A

Target Audience: Immunologists, infectious disease specialists, hematologists, neurologists and all other doctors that use IVIG in treatment.

Objectives:

- Know recommendations for use of IVIG and subcutaneous IG in primary immunodeficiencies
- Know when IVIG and hyperimmune IVIGs and IGs are indicated for prevention and treatment of specific infections
- Know the whens, whys, and hows for the use of IVIG in inflammatory/autoimmune disease and the evidence to back these recommendations

Chair: E. Richard Stiehm, Mattel Children's Hospital at UCLA, Los Angeles, CA

This symposium will provide new information on the optimal use of IVIG in immunodeficiency, including the new 16% product just licensed for subcutaneous use.

A second topic will discuss the use of IVIG in the prevention and treatment of certain infectious diseases, such as neonatal sepsis, parvovirus and toxic shock syndrome.

Finally, the use of IVIG in autoimmune and inflammatory diseases will be discussed, including mechanisms and the strength of evidence for its use in each of the disorders.

**8:00 Introduction**

E. Richard Stiehm, Mattel Children's Hospital at UCLA, Los Angeles, CA

**8:10 Use of IVIG and Subcutaneous IG in Immunodeficiency**

Melvin Berger, Case Western Reserve and Rainbow Babies & Children's Hospital, Cleveland, OH

**8:45 IVIG and IG Use in Infectious Disease**

E. Richard Stiehm, Mattel Children's Hospital at UCLA, Los Angeles, CA

**9:20 IVIG Use in Autoimmune/Inflammatory Disease: Evidence-based**

Mark Ballow, Children's Hospital of Buffalo, Buffalo, NY

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

8:00am–10:00am

**6050 Asthma: Basic Mechanisms and Treatments**

PAS Platform Session ~ TCC, Room 715A

Chairs: Giuseppe N. Colasurdo and Craig M. Schramm

**8:00 Pak1 Regulates Mast Cell Function and Allergen-Induced Airway Inflammation and Responsiveness.** J.D. Allen, W.C. Hoover, J. Chernoff, R.S. Tepper, D.W. Clapp. *Publication 6050.1*

**8:15 Tobacco Smoke Exposure, Genetic Susceptibility, and Childhood Asthma Morbidity.** R.S. Kahn, P.H. Wise, R. Hornung, M. Ho, S. Guangyun, R. Deka, B.P. Lanphear. *Publication 6050.2*

- 8:30** **Randomized Controlled Trial of Intermittent High-Dose Fluticasone vs. Placebo in Young Children with Viral-Induced Asthma.** Francine M. Ducharme, Chantal Lemire, Francisco J. Noya, Michael G. Davis, Nathalie Alos, Helene Leblond, Cheryl Savdie, Jean-Paul Collet, Georges Rivard, Robert W. Platt. *Publication 6050.3*
- 8:45** **Correction and Characterization of the ABPA Phenotype in CFTR Deficient Mice.** Christian Mueller, Daniel Torrez, Annika S. Brag, Ashley Marino, Terence R. Flotte. *Publication 6050.4*
- 9:00** **Developmental Differences in Expression of Genes Involved in Mesenchymal-Epithelial Signaling in Rat Models of Airway Hyperresponsiveness and Asthma Susceptibility.** Isabel Mandeville, Leslie Ribiero, Kaplan Feige. *Publication 6050.5*
- 9:15** **A Comparison of Oral Prednisone Versus Oral Dexamethasone in the Management of Pediatric Asthma Exacerbations.** Richard A. Greeberg, Gwen Kerby, Genie Roosevelt. *Publication 6050.6*
- 9:30** **Airway Hyperresponsiveness in Acute Allergen Sensitized and Challenged Hyaluronidase-3 Knockout Mice Is Influenced by Gender.** Ganesh Srinivasan, Vasanth Atmuri, Sujata Basu, Barbara Triggs-Raine. *Publication 6050.7*
- 9:45** **NKG2A Inhibits TH2 Cell Effector Function In Vitro: A Novel Mechanism for TH2 Dominance in Asthma.** Robert J. Freishtat, Bahar Mojgani, Maryam Nazemzadeh, Kanneboyina Nagaraju, Eric P. Hoffman. *Publication 6050.8*

8:00am–10:00am

## 6055 Clinical Bioethics

PAS Platform Session ~ TCC, Room 716B

Chairs: Susan G. Albersheim and Douglas S. Diekema

- 8:00** **Error Disclosure among Pediatricians.** David J. Loren, Eileen J. Klein, Jane M. Garbutt, Melissa J. Krauss, Victoria J. Fraser, W. Claiborne Dunagan, Thomas H. Gallagher. *Publication 6055.1*
- 8:15** **Assessment of Parents' Attitudes about Disclosure of Medical Error.** Anne Matlow, Lesley Moody, Polly Stevens, Ronald M. Laxer, Jeremy N. Friedman. *Publication 6055.2*
- 8:30** **Physician-Parent Communication near the Time of a Child's Death in the Pediatric Intensive Care Unit (PICU).** Kathleen Meert, Susan Eggly, the Collaborative Pediatric Critical Care Research Network (CPCCRN). *Publication 6055.3*
- 8:45** **Adherence and Parents' Trust in Their Child's Physician.** Kathryn L. Moseley, Indu Lakhani, Susan D. Goold. *Publication 6055.4*
- 9:00 \*** **Does Parental Knowledge of Diseases & Complications of Prematurity Meet Expectations Set by American Academy of Pediatrics (AAP).** Vinayak P. Govande, Mir A. Basir, Purushottam W. Laud, Jennifer I. Koop, Utpala G. Das, Karen J. Brasel. (Sponsored by Steven R. Leuthner) *Publication 6055.5*
- 9:15** **The Ethical Inconsistency Associated with Allowing Fetal Interventions, but Denying Palliative Care for Hypoplastic Left Heart Syndrome (HLHS).** Neil P. Mulrooney, Steven R. Leuthner. *Publication 6055.6*
- 9:30 \*** **The Influence of Religion and Spirituality on Decisions To Withdraw Life-Sustaining Therapies: Differences between European American and Hispanic Parents.** Diane Chang, Kelly N. Michelson, Tracy Koogler, Joel Frader. *Publication 6055.7*
- 9:45** **Nobody Likes Premies.** Annie Janvier, Isabelle Leblanc. (Sponsored by Keith Barrington) *Publication 6055.8*

8:00am–10:00am

## 6060 Congenital Heart Diseases and Kawasaki Disease

PAS Platform Session ~ TCC, Room 716A

Chairs: Michael J. Ackerman and Jeffrey A. Towbin

- 8:00** **Congenital Aortic Abnormality Is a Significantly Under-Diagnosed Cause of Morbidities in School Aged Children.** Fong-Lin Chen, Shuping Ge. *Publication 6060.1*

SPR Richard D. Rowe Award Recipient

Robert B. Hinton, Jr.

- 8:15 \*** **Hypoplastic Left Heart Syndrome Is Heritable and a Severe Form of Valve Malformation.** Robert B. Hinton, Lisa J. Martin, Meredith E. Tabangin, Mjaye Mazwi, Linda H. Cripe, D. Woodrow Benson. *Publication 6060.2*
- 8:30 \*** **Left Ventricular Morphology and Function Predict Outcome after Norwood Palliation.** Mark A. Walsh, Brian W. McCrindle, Anne Dipchand, Cedric Manlhot, Edward Hickey, Christopher A. Caldarone, Glen S. Van Arsdell, Steven M. Schwartz. *Publication 6060.3*
- 8:45** **Acute Adaptation to Volume Unloading of the Single Ventricle in Children Undergoing Glenn Anastomosis.** Catherine Ikemba, Matt Lemler, Jason Su, Lou Bezold, Anthony Chang, Dean Andropoulos, E.D. McKenzie, Charles Fraser, Jr, Ben Eidem. *Publication 6060.4*
- 9:00 \*** **A Novel Mutant Mouse Model of Human Heterotaxy Syndrome.** Christine N. Aune, B. Chatterjee, L. Bracero, Y. Shen, X.Q. Zhao, Q. Yu, L. Leatherbury, C.W. Lo. *Publication 6060.5*
- 9:15** **Preoperative Lymphopenia Is an Independent Predictor of Postoperative Mortality in Children with Congenital Heart Disease.** Antonio G. Cabrera, Umesh Dyamenahalli, Kahlil Ibrahim, James G. Parker, Parthak Prodhan, Michiaki Imamura, Adnan T. Bhutta. *Publication 6060.6*

- 9:30** **Kawasaki Disease: Early Recognition of Children at High Risk for Coronary Artery Aneurysms.** Susanne M. Benseler, Pascal N. Tyrrell, Brian W. McCrindle, Earl D. Silverman, Rae S.M. Yeung. *Publication 6060.7*
- 9:45** **TGF- $\beta$  Mediated Regulation of Tropoelastin Gene Expression Appears To Impact Disease Severity in a Murine Model of Kawasaki Disease.** Cristina M. Alvira, Lingli Wang, Trang T. Duong, Rae S. Yeung, Marlene Rabinovitch. *Publication 6060.8*

8:00am–10:00am

### 6065 Developmental Interventions and Adult Disease

PAS Platform Session ~ TCC, Room 703

Chairs: William W. Hay and Edward A. Liechty

- 8:00 \*** **In Utero Treatment with Antisense-CFTR Decreases Surfactant Protein A and B mRNA in the Lung but Increases Phospholipid Secretion in Alveolar Type II Cells in Adult Rats.** Ashraf Gad, Delon Callender, Erin Killeen, Janet E. Larson, J. Craig Cohen, Avinash Chandar. *Publication 6065.1*
- 8:15 \*** **Hypoxic Pre-Conditioning Is Cardioprotective in the Adult Female Intra-Uterine Growth Restricted Rat Offspring.** Afshan Abbasi, Manikkavasagar Thamocharan, Maria C. Jordan, Kenneth P. Roos, Sherin U. Devaskar. *Publication 6065.2*
- 8:30** **Early Exercise Regimen Ameliorates Insulin Resistance in the Intra-Uterine Growth Restricted (IUGR) Adult Female Offspring.** Meena Garg, Manikkavasagar Thamocharan, Gerald Pan, Paul W.N. Lee, Sherin U. Devaskar. *Publication 6065.3*
- 8:45 \*** **In Vitro Hyperglycemia or a Diabetic Intrauterine Environment Reduces Neonatal Endothelial Progenitor Cell Function.** Izlin Z. Lien, Laura Mead, Janak R. Bhavsar, David A. Ingram, Laura S. Haneline. *Publication 6065.4*
- 9:00 \*** **Mechanisms by Which Maternal Obesity Induce Obesity in the Offspring.** Sarbattama Sen, Lisa A. Salvador, Rebecca A. Simmons. (Sponsored by Susan Hall Guttentag)*Publication 6065.5*
- 9:15 \*** **Prenatal High Fat Exposure Changes Leptin-Responsive Gene Expression in Adult.** Kathleen C. Page, James J. Giannone, Endla K. Anday. *Publication 6065.6*
- 9:30 \*** **Fetal Origins of Disease: Essential Nutrient Supplementation Prevents Adult Metabolic Disease in a Transgenerational Model of IUGR.** Kjersti Aagaard-Tillery, William Holland, Robert McKnight, Scott Summers, Xing Yu, Robert Lane. *Publication 6065.7*
- 9:45** **Neonatal Dietary Intake and Insulin Resistance at 7-8 Years.** Rakesh Sahni, Kiyoko Ohira-Kist, Karl F. Schulze, Sharon E. Oberfield, Sudha Kashyap. *Publication 6065.8*

8:00am–10:00am

### 6070 Global Pediatric Research I

PAS/PGPR Poster Symposium ~ Room 701B

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Lucky Jain and Cliff O'Callahan

- 1** **Severe Retinopathy of Prematurity in Rio de Janeiro, Brazil: Screening Guidelines Implications.** Andrea A. Zin, Maria Elisabeth L. Moreira, Clare E. Gilbert. (Sponsored by Cleide Suguilhara)*Publication 6070.1*
- 2** **The Use of Handmade Continue Positive Pressure (hCPAP) Is Associated with Higher Rates and Severity of Retinopathy of Prematurity in Low Birth Weight Infants in a Center of a Developing Country.** Alexia Romaneli, Manuel Diaz, Amed Soliz. *Publication 6070.2*
- 3\*** **Multiple Drug Resistant Gram Negative Rods in Philippine NICUs.** Jennifer M. Litzow, Christopher J. Gill, Matthew A. Fox, Jacinto B. Mentering, Sookee Mendoza, Myrna Mendoza, Davidson H. Hamer. (Sponsored by Howard Bauchner) *Publication 6070.3*
- 4\*** **Introduction of a Modified Neonatal Resuscitation Course to Lay Midwives in the Dominican Republic.** Robert W. Comer, Barbara Graves, Jane Cross. *Publication 6070.4*
- 5** **Markedly Increased Neonatal and Infant Mortality in Northern Uganda Internally Displaced Persons (IDP) Camps.** Margaret Nakakeeto, Jane F. Nalubega, Janex Kabarangira, Vincent Orinda. (Sponsored by Yvonne E. Vaucher) *Publication 6070.5*
- 6** **Mothers Report High Child Mortality and Large Burden of Illness in Rural Uganda.** Jennifer L. Brenner, Theresa McElroy, James Kayizzi, Colleen OConnell, K.S. Joseph, Katharine Smart, Fred Bagenda, Jerome Kabakyenga, Doug McMillan, Nalini Singhal. *Publication 6070.6*
- 7\*** **Impact of Birth Attendant and Maternal Hand-Washing on Neonatal Mortality in Southern Nepal.** Victor Rhee, Luke C. Mullany, Subarna K. Khatri, Joanne Katz, Steven C. LeClerq, Gary L. Darmstadt, James M. Tielsch. *Publication 6070.7*

APA Ray E. Helfer Award for Innovation in Pediatric Education Recipient  
Elwyn Chomba

- 8** **Effects of the World Health Organization (WHO) Essential Newborn Care Training Course on Early Neonatal Mortality by Level of Maternal Education.** Elwyn Chomba, Elizabeth M. McClure, Linda L. Wright, Waldemar A. Carlo, Hrishikesh Chakraborty, Hillary Harris. *Publication 6070.8*

- 9 **Evaluation of the Educational Impact of the Essential Newborn Care Course: A Multi-Country Study.** Waldemar A. Carlo, Shivaprasad S. Goudar, Imtiaz Jehan, Elwyn Chomba, Fernando Althabe, Linda L. Wright, Carla M. Bann, Hillary Harris. *Publication 6070.9*
- 10 **Barriers to Neonatal Care in Developing Countries.** Leakhena Neou, John C. Partridge, Khu Thi Khanh Dung, Sadath A. Sayeed, Alma M. Martinez. *Publication 6070.10*
- 11 **Perinatal Asphyxia Still Contributes to Early Mortality of Preterm Infants Born at Brazilian Network on Neonatal Research Centers.** Ruth Guinsburg, M. Fernanda B. de Almeida, for the Brazilian Network on Neonatal Research. *Publication 6070.11*
- 12 **Late Preterm Neonates: Perinatal Asphyxia and Early Deaths across Brazil.** M. Fernanda B. de Almeida, Ruth Guinsburg, Jose O. da Costa, Leni M. Anchieta, Lincoln M.S. Freire, Dioclecio Campos, Jr, Brazilian NRP Investigators. *Publication 6070.12*

8:00am–10:00am

## 6075 Hematology/Oncology IV

PAS/ASPHO Platform Session ~ TCC, Room 718B

Chairs: Stephan A. Grupp and Jeffrey A. Toretsky

SPR David G. Nathan Award Recipient  
Kristina A. Cole

- 8:00 \* **The microRNA miR-34a Is a Candidate 1p36 Neuroblastoma Tumor Suppressor Gene.** Kristina A. Cole, Edward F. Attiyeh, Yael P. Mosse, Garrett M. Brodeur, John M. Maris. *Publication 6075.1*
- 8:15 **Nifurtimox Is Cytotoxic to Catecholamine-Containing Cells Which Is Enhanced by Ascorbic Acid and Suppresses Neuroblastoma Growth In Vivo.** Giselle Saulnier Sholler, Lee Dorf, Jennifer Straub, Laurent Brard, Rae Nishi. *Publication 6075.2*
- 8:30 \* **Targeting of ALL by Lentivirus Engineered Primary Human T Cells.** Jonathan D. Fish, Michael Milone, Carmine Carpentino, Mehdi Lakhali, Ella Ofori, Gwenn-ael Danet-Desnoyers, James Riley, Stephan A. Grupp, Carl June. *Publication 6075.3*

APS/SPR Student Research Program Awardee  
Rena Xian

- 8:45 \* **Mice Deficient in PASG, a SNF2 Chromatin Remodeling Protein That Facilitates DNA Methylation, Show Altered microRNAs Expression That May Predict the Replicative Senescence Phenotype.** R.R. Xian, E. Wentzel, L.Q. Sun, D.W. Lee, J.T. Mendell, R.J. Arceci. *Publication 6075.4*
- 9:00 **Enhancing the Expression of the DNA Repair/Redox Enzyme, Ape1/Ref-1, Reduces Neurotoxicity Induced by Ionizing Radiation: Implications for Decreasing Neurocognitive Dysfunction.** Michael R. Vasko, Chunlu Guo, Yanlin L. Jiang, Mark R. Kelley. *Publication 6075.5*
- 9:15 **Genetic Modeling of Alveolar Rhabdomyosarcoma.** Corinne M. Linaudic, Sarasija Naini, Stacey J. Adam, Rex Bentley, Christopher M. Counter. *Publication 6075.6*
- 9:30 \* **NOTCH2 and JAGGED1 Expression Is Aberrant in Hepatoblastoma.** Jason B. Litten, Dinesh Rakheja, Roger A. Schultz, Samira A. Kamrudin, Tina Chen, Guy Bartov, Gail E. Tomlinson. *Publication 6075.7*
- 9:45 \* **Loss of SBDS Results in Dysregulation of Fas at the Plasma Membrane Level.** Chhaya S. Ambekar, Hanming Wang, Ken-ichiro Watanabe, Aaron Schimmer, Yigal Dror. *Publication 6075.8*

8:00am–10:00am

## 6080 Immunizations Delivery

PAS Poster Symposium ~ TCC, Room 717AB

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Sarah J. Clark and Allison Kempe

- 1 **Universal Influenza Vaccination: The Role of the ED.** C.S. Albertin, C.M. Rand, P. Auinger, S.J. Schaffer, P.G. Szilagyi. *Publication 6080.1*
- 2 **Additional Visit Burden for Universal Influenza Vaccination of U.S. Children and Adolescents.** C.M. Rand, P.G. Szilagyi, B.K. Yoo, P. Auinger, C. Albertin, M.S. Coleman. *Publication 6080.2*
- 3 **Parental Vaccine Safety Concerns Are Strongly Associated with Adoption of Newly Recommended Adolescent Vaccines.** M.M. Davis, D.C. Singer, S.J. Clark. *Publication 6080.3*
- 4 **Improving Technology Reduces Errors in an Immunization Database.** Ronald C. Samuels. *Publication 6080.4*
- 5 **Analgesic Effects of EMLA® Cream and Nitrous Oxide during Intramuscular Injections of Palivizumab (Synagis®) in Infants.** R. Carbajal, R. Epaud, V. Biran, R. Lenclen, B. Fauroux, P. Cimerman, P. Thibault, F. Gold, D. Annequin. *Publication 6080.5*

- 6 **Influenza Vaccine Effectiveness among Young Children during Two Influenza Seasons.** G.L. Fairbrother, P.G. Szilagyi, M.R. Griffin, M. Staat, A. Morrow, M. Altaye, L.P. Shone, Y. Zhu, S. Ambrose, K.A. Poehling, K.M. Edwards, G. Lofthus, M. Iwane. *Publication 6080.6*
- 7\* **Childhood Influenza: Number Needed To Vaccinate To Prevent One Hospitalization or Outpatient Visit.** Elizabeth N. Lewis, Marie R. Griffin, Peter G. Szilagyi, Yuwei Zhu, Kathryn M. Edwards, Katherine A. Poehling. *Publication 6080.7*
- 8 **Acute Pain Response to Primary Series Pentavalent DPTaP-Hib and Pneumococcal Conjugate Vaccines.** Moshe Ipp, Patricia C. Parkin, Naomi Lear, Morton Goldbach, Anna Taddio. *Publication 6080.8*
- 9 **Increasing Influenza Immunization among Household Contacts of Children Attending Continuity Clinic.** Nancy R. Kelly, Donna Jordan, Jane Siegel. *Publication 6080.9*
- 10 **Availability of Trivalent Inactivated Influenza Vaccine (TIV) to Parents of Neonatal Intensive Unit Patients: Secondary Effect on Healthcare Worker Vaccination Rates.** Shetal Shah, Martha Caprio. (Sponsored by Janet Larson) *Publication 6080.10*
- 11\* **Cost Analysis of a Program To Improve Immunization Rates among Inner-City Chicago Children.** S. Vora, L. Verber, S. Potts, D. Stoner, T. Dozier, R.S. Daum. *Publication 6080.11*
- 12 **Practice Patterns Associated with High Influenza Vaccinations.** K.A. Poehling, P.G. Szilagyi, Y. Zhu, S. Ambrose, M. Iwane, M.A. Staat, G. Fairbrother. *Publication 6080.12*

8:00am–10:00am

## 6085 Infectious Diseases II

PAS Platform Session ~ TCC, Room 801B

Chairs: Michelle A. Gill and Chandu C. John

- 8:00 **Vaginal Infection of Female Mice with Plasmid-Deficient Strains of Chlamydia Protects from Oviduct Disease after Challenge with the Wild-Type Strain.** Toni Darville, Jim D. Sikes, Charles W. Andrews, Catherine M. OConnell. *Publication 6085.1*
- 8:15 **Chlamydia HSP60 Induces Pneumonitis in Mice.** Yonca Bulut, Kenichi Shimada, Michelle Wong, Shuang Chen, Moshe Arditi. (Sponsored by Charles Simmons) *Publication 6085.2*
- 8:30\* **Neuraminidase Inhibitors Block *Pseudomonas aeruginosa* Biofilm Formation.** Mariah Magargee, Sunil Amin, Alice Prince. *Publication 6085.3*
- 8:45\* **Establishing *In Vitro* and *In Vivo* Models for Defining the Mechanism by Which Azithromycin Improves Outcomes in *Pseudomonas aeruginosa* Infection.** Latania K. Logan, Wendy C. Estrellado, Alan R. Hauser. (Sponsored by Ellen G. Chadwick) *Publication 6085.4*
- 9:00 **Thigmotropism and Epithelial Cell Invasion by *Candida albicans* Require the Hyphal Guidance GTP-ase Rsr1p.** Alexandra Brand, Anjalee Vacharaksa, Jennifer Norton, Paula Haynes, Karen Ross, Neil Gow, Cheryl A. Gale. *Publication 6085.5*
- 9:15 **Development of Plasmid-Based Reverse Genetics for Reovirus.** Terence S. Dermody, Takeshi Kobayashi, Elizabeth A. Eby, James D. Chappell. *Publication 6085.6*
- 9:30\* **Essential Role of RNA Helicases and MAVS in Human Metapneumovirus-Induced Cellular Signaling.** Sui-Ling Liao, Xiaoyong Bao, Michelle Nelson, Liu Tianshuang, Roberto Garofalo, Antonella Casola. *Publication 6085.7*
- 9:45\* **Factors Associated with Antigenemia in US Children with Acute Rotavirus Gastroenteritis.** Kari A. Simonsen, Yuhuan Wang, Baoming Jiang, Penelope H. Dennehy. *Publication 6085.8*

8:00am–10:00am

## 6090 Neonatal Randomized Clinical Trials I

PAS Platform Session ~ TCC, Hall G

Chairs: Roberta A. Ballard and Christine A. Gleason

- 8:00 **Nasal CPAP or Ventilation for Very Preterm Infants at Birth. A Randomised Controlled Trial – The COIN Trial.** Colin J. Morley, COIN Trial Collaborators. (Sponsored by Barbara Schmidt) *Publication 6090.1*
- 8:15\* **Volume-Controlled Versus Pressure-Limited Ventilation in Very Low Birth Weight Infants: Long Term Follow-Up of a RCT.** Jaideep Singh, Elizabeth Alsop, Sunil K. Sinha, Samir Gupta, Steven M. Donn. *Publication 6090.2*
- 8:30 **Decreased Health Services Utilization in Preterm Infants Treated with Inhaled Nitric Oxide.** Roberta A. Ballard, Avital Cnaan, William E. Truog, Richard J. Martin, Anna Maria Hibbs, Philip L. Ballard, Jeffrey D. Merrill, Xiangun Luan, Sandra R. Wadlinger, The NO CLD Study Group. *Publication 6090.3*
- 8:45 **Late Treatment with a Peptide-Containing, Synthetic Surfactant for the Prevention of Bronchopulmonary Dysplasia (BPD).** Carl L. Bose, Matthew M. Laughon, Fernando R. Moya, Judy L. Aschner, Steve M. Donn, Robert Segal, Carlos Guardia, Genzhou Liu. *Publication 6090.4*
- 9:00 **Nasal Synchronized Intermittent Positive Pressure Ventilation (NSIPPV) Versus Nasal Continuous Positive Airway Pressure (NCPAP) for Respiratory Distress Syndrome (RDS): A Randomized, Controlled, Prospective Study.** Amir Kugelman, Ido Feferkorn, Arieh Riskin, Irena Chistyakov, Bella Kaufman, David Bader. (Sponsored by Manuel Durand) *Publication 6090.5*

- 9:15 \*** **Hypotension in Preterm Infants with Significant Patent Ductus Arteriosus: Effect of Dopamine.** Antoine Bouissou, Thameur Rakza, Serge Klosowski, Thierry Dzukou, Sylvie Mariette, Laurent Storme. (Sponsored by Steven Abman)  
*Publication 6090.6*
- 9:30** **The Determinants of Outcome after Head Cooling for Neonatal Encephalopathy.** John S. Wyatt, Peter D. Gluckman, Ping Y. Liu, Denis Azzopardi, Roberta Ballard, David Edwards, Donna M. Ferriero, Richard Polin, Charlene M. Robertson, Marianne Thoresen, Andrew Whitelaw, Alistair J. Gunn. *Publication 6090.7*
- 9:45** **Secondary Safety Outcomes in a Multicenter Randomized Controlled Trial of Whole Body Hypothermia for Neonatal Hypoxic Ischemic Encephalopathy.** Seetha Shankaran. *Publication 6090.8*

8:00am–10:00am

## **6095 Obesity II: Assessment and Intervention**

PAS Platform Session ~ TCC, Room 205B

Chairs: Sarah E. Barlow and Jennifer Miller

- 8:00 \*** **Racial Differences in the Relationships between BMI, Waist Circumference and Abdominal Adipose Tissue in Youth.** SoJung Lee, Fida Bacha, Silva Arslanian. *Publication 6095.1*
- 8:15 \*** **Weight Related Comorbid Conditions in Overweight Children – What Are We Missing.** Moises Auron-Gomez, Sally Ibrahim, Sara Snow, Robert Needlman, Robert C. Cohn, David C. Kaelber. *Publication 6095.2*
- 8:30** **Childhood Obesity Practices of US Pediatricians in 2006.** Jonathan D. Klein, Tracy S. Sesselberg, Karen O'Connor, Stephen Cook, Mark Johnson, Reginald Washington, Nancy Krebs, Charles Homer. *Publication 6095.3*
- 8:45** **Effect of Sleep Duration on BMI and Treatment Outcome in a Pediatric Weight Management Program.** Leslie Heinberg, Carol Rosen, Naveen Uli, Sumana Sundararajan, Leona Cuttler, Eve Kutchman, J. Laheta, Sarah Lawhun, Susan Redline. *Publication 6095.4*
- 9:00** **An Intervention To Promote Physical Activity and Reduce Sedentary Behavior in Inner City Overweight Latino Youth.** Nazrat M. Mirza, Matilde Palmer, Kelly Sinclair, Caroline Collins, Jack A. Yanovski. *Publication 6095.5*
- 9:15** **Use of the 6 Minute Walk Test in a Pediatric Obesity Program.** George A. Datto, Lauren Falini. (Sponsored by Sandra Hassink) *Publication 6095.6*
- 9:30** **A Six Month Office-Based Low Carbohydrate Diet Intervention in Obese Teens.** Robert M. Siegel, Whitney Rich, Evelyn C. Joseph, Joan Linhardt, Jamie Knight, Jane Khoury, Stephan R. Daniels. *Publication 6095.7*
- 9:45 \*** **n-3 Fatty Acids Ameliorate Steatohepatitis in Two Mouse Models of Nonalcoholic Fatty Liver Disease.** Peri N. Millman, Alan R. Tall, Jay H. Lefkowitz, Hiroko Hamai, Inge H. Hansen, Richard J. Deckelbaum. *Publication 6095.8*

8:00am–11:00am

## **6152 Children and Youth New to Your Community: New Challenges From Far Away Places**

PAS Workshop ~ TCC, Room 206E

Target Audience: Community general pediatrics interested in underserved populations.

Objectives:

- Be aware of the extent of immigrant families in North America and to understand the need for advocacy and research in health needs of immigrant and refugee children Use effectively an interpreter, do a culturally sensitive interview and the initial medical assessment with appropriate screening tests
- Diagnose and manage the frequently encountered diseases imported into North America, the chronic pediatric illness exaggerated in immigrant children and the psychosocial issues for children adjusting to life in North America

Leader: Robert Hilliard; Co-leaders; Stacene Maroushek, Cynthia Howard

This workshop will help pediatricians working with immigrant and refugee children and families. There will be an overview of the present demographics of immigrant and refugee children in North America and the pre-immigration screening procedures. With a trained interpreter and culturally experienced professionals there will be a discussion of doing culturally sensitive interviews. An initial medical assessment with appropriate screening tests will be outlined. Following the introduction there will be case-based discussions of imported infectious diseases (malaria, typhoid fever, TB, HIV/AIDS, intestinal parasites), chronic illness (malnutrition, anemia) and social adjustment issues (school problems, discipline, peer and cultural tensions). The workshop will highlight the need for advocacy and research in health needs of immigrant and refugee children.

8:00am–11:00am

**6153 Comprehensive Competency-Based Evaluation of EBM Skills in Pediatric Residency and Fellowship Programs**

PAS Workshop ~ TCC, Room 712

Target Audience: Faculty who need to evaluate EBM performance of student, resident of fellow.

Objectives:

- Utilize EBM evaluation tools Develop a comprehensive EBM evaluation system
- Link EBM evaluation to documentation of ACGME competencies

Leader: Hans B. Kersten; Co-leaders: Nancy D. Spector, John Frohna, Robert S. McGregor, Tahniat Syed, E. Douglas Thompson, Susan Guralnick, Erin Guidice

The Pediatric RRC and ACGME fellowship requirements challenge educators to develop a comprehensive evaluation system for EBM knowledge, skills and behaviors. Each participant will leave this interactive workshop with direct experience with a range of ACGME competency-based evaluation tools and strategies to assess learners EBM knowledge, skills and behaviors. The workshop will emphasize interactive small group sessions where participants will share their own tools and experiences with implementation including: barriers, venues, and faculty development in the evaluation process.

8:00am–11:00am

**6154 Creating the Roadmap for Evidence-based Primary Care: Closing the Gap Between Practice and Science Using Bright Futures**

PAS Workshop ~ TCC, Room 206F

Target Audience: Health care professionals in academia, practice and training interested in conducting primary care research.

Objectives:

- Understand the evidence-base for preventive services in Bright Futures
- Learn evidence-based approaches to developing primary care research
- Leave with a preliminary study design to answer a primary care question

Leader: Judith S. Shaw; Co-leaders: Elizabeth Edgerton, Joseph Hagan, Virginia Moyer, Richard Wasserman, Thomas DeWitt, Paula Duncan, Christopher DeGraw, Modena Wilson, Judith Palfrey, Robert Sege, Greg Blaschke

The workshop will focus on the gaps identified between practice and science in the 2007 release of Bright Futures (BF) Guidelines. In this workshop, the BF editors will be joined by evidence-based medicine consultants and child health researchers to discuss how to use the new materials to begin addressing areas in health supervision amenable to study. After a presentation of BF materials, a review of the evidence-base, and an overview of primary care research methods, participants will work with child health researchers to develop preliminary study designs of their own interest (quantitative and qualitative methods, settings, subjects, cost, and measures), and work with funders to identify potential funding sources for this research.

8:00am–11:00am

**6156 Developmental Assessment: Who, What, When and How?**

PAS Workshop ~ TCC, Room 206D

Target Audience: Trainees, fellows, junior faculty, mid-level faculty, senior faculty, community practitioners, general pediatricians and sub-specialists.

Objectives:

- Evaluate options for developmental surveillance and screening
- Review strengths, weaknesses and practicality of numerous developmental tests
- Choose developmental tests to answer specific clinical and research questions

Leader: Trena Sutcliffe; Co-leaders: Laura Sices, Randall Phelps, Barbara Bentley, Heidi Feldman

This workshop will assist pediatricians in choosing appropriate developmental assessments for clinical practice and research. Using case-based learning and small group discussions, participants will contrast screening and assessment; norm- and criterion-referenced tests; and intellectual tests and functional assessment. Participants will also consider practicality, time requirements, reimbursement, and usefulness when choosing parent reports, behavioral observations, or standardized testing.

8:00am–11:00am

**6158 Family-Centered Rounds: A Practical Approach to Directly Observe Learners While Delivering Family-Centered Care at the Bedside of the Hospitalized Child**

PAS Workshop ~ TCC, Room 810

Target Audience: Residents, fellows, junior, mid-level, and senior faculty.

Objectives:

- Understand the basic principles of family-centered care in the inpatient setting

- Develop practical strategies to overcome barriers to direct observation of learners while delivering family-centered care at the bedside of the hospitalized child

Leader: William Brinkman; Co-leaders: Jeff Simmons, Jenny Pansing, Steve Muething, Mike Vossmeier

A recent AAP policy statement calls for rounds (patient presentations and discussions) of all hospitalized patients to occur in the presence of the patient and family to facilitate information sharing and active family involvement in decision-making. In addition, the ACGME requires that attending physicians directly observe resident skills. Family-Centered Rounds (FCRs) is a practical approach to accomplish both goals at the same time. Drawing on their own experience as well as the Cincinnati Children's Hospital experience as depicted in video vignettes, workshop participants will develop context-specific strategies to overcome barriers to conducting FCRs at their home institution.

8:00am–11:00am

### **6160 Fanning The Flame of Educational Scholarship When It Flickers**

PAS Workshop ~ TCC, Room 206B

Target Audience: Mid-level faculty interested in pursuing scholarly work in medical education as a new endeavor or who need to rekindle the flame. Junior-level faculty are also invited to mingle with the others for inspiration.

Objectives:

- A written set of personal goals for immediate steps towards educational scholarship
- Methods to prioritize tasks to get more time for scholarship
- An action plan for how to get started or reinvent themselves

Leader: Fred McCurdy; Co-leaders: J. Lindsey Lane, Virginia Niebuhr, Leslie Fall

This workshop is intended to provide faculty what they need to pursue scholarly work in medical education as a new endeavor or rekindle the flame that used to ignite their passion. The workshop will be highly interactive. Participants will leave with an understanding of educational scholarship, a written set of personal educational scholarship goals ready to apply, methods to prioritize tasks, an action plan for how to get started or reinvent themselves, ways to negotiate for resources, strategies to find and effectively work with collaborators/mentors, and a strategic plan for sustaining scholarly work over time. The workshop leaders are all experienced academicians, and faculty development devotees, who have learned how to succeed when all of the odds were stacked against them; hearing their anecdotes will be vital and exciting. Do come and join us!

*Sponsored by the APA Education Committee*

8:00am–11:00am

### **6162 Law and Order: Adolescent Sexual Assault**

PAS Workshop ~ TCC, Room 206A

Target Audience: Faculty, residents, students and teachers of underserved populations.

Objectives:

- Learn to recognize types of consent for treatment for adolescent sexual assault
- Learn to analyze cases of suspected statutory rape for medicolegal purposes
- Learn to identify treatment strategies and assessment techniques of statutory rape

Leader: Ann S. Botash; Co-leader: Joyce Adams

Adolescents presenting to the emergency physician or office setting with a need for an evaluation due to recent sexual assault may present with medico-legal concerns. Which of these adolescents require legal intervention, who can choose this intervention on their own, and who needs to be reported to the authorities? Recommended medical evaluation and treatment guidelines will be discussed and sample cases analyzed. Attendees will develop strategies for best practices in adolescent statutory rape.

8:00am–11:00am

### **6166 Recognizing Common Biostatistical Errors: A Case-Based Approach**

PAS Workshop ~ TCC, Room 711

Target Audience: Trainees, fellows, junior faculty, mid-level faculty, and community practitioners.

Objectives:

- Understand some biostatistical errors common in the pediatric literature
- Avoid common errors of interpretation made by readers
- Be able to find similar examples and explain them to colleagues and students

Leader: Thomas Newman; Co-leader: Kristine Madsen

This workshop uses multiple real examples from the pediatric literature to teach participants how to be more discriminating consumers of statistics. Topics to be covered include "type 3" (dumb or careless) errors, standard deviation vs. standard error of the mean, between vs. within-groups comparisons, relative vs. absolute effect sizes, commonly violated assumptions of

statistical tests including normality and independent sampling, odds ratios vs. relative risks, negative studies and confidence intervals. In the last part of the seminar, participants will have the opportunity to test what they have learned on a set of "unknown" examples.

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

8:00am–11:00am

### **6168 Teaching Clinical Ethics to Pediatrics Residents**

PAS Workshop ~ TCC, Room 206C

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

Objectives:

- Learn about a case-based method of teaching clinical ethics to residents
- Practice the skills related to teaching via the case-based method through question-and-answer and role-playing

Leader: Peter J. Smith; Co-leader: Lainie Ross

This workshop will provide a brief overview of the application of case-base teaching strategies and techniques to the teaching of clinical ethics. The workshop leaders have lead a series of case-based seminars for the pediatric residents in their institution and hope that this session will allow the participants to: 1) learn from their experience [the cases used will be handed out to all participants in the workshop]; 2) begin to practice some of the techniques and strategies of case-based learning, especially for this unique topic; and 3) to ask questions to the workshop leaders regarding "troubleshooting" problems that the participants have encountered in the teaching of clinical ethics. Participants are encouraged to bring concrete examples of their experience to share.

8:00am–11:00am

### **6170 The Ins and Outs of Publishing a Scientific Manuscript**

PAS Workshop ~ TCC, Room 709

Target Audience: Fellows and Junior faculty.

Objectives:

- Improve participant's skill in organizing and writing manuscripts
- Identify common writing errors Understand the process of manuscript preparation and review

Leader: Edard E. Lawson; Co-leader: Jane E. McGowan

This session will review the basic principles of writing and publishing the results of research projects. The workshop will cover writing principles and processes common to scientific reporting. The structure of manuscripts will be reviewed including purposes and content of each of the manuscript sections. Development of figures and tables will be discussed. Journal selection and understanding the review process complete the workshop.

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

8:00am–11:00am

### **6172 The Politics of Childhood Nutrition**

PAS Workshop ~ TCC, Room 802A

Target Audience: Students, residents and faculty who have an interest in how public policy affects childhood nutrition.

Objectives:

- Identify the effects of food advertising on childhood nutrition
- Understand different viewpoints and regulations regarding dispensing formula discharge packs in newborn nurseries
- Discuss challenges with the current policies of the WIC program

Leader: Julieana Nichols; Co-leader: Krystal Revai

Recently, there has been a predominance of media attention surrounding several new policy measures that impact children's nutrition. Public policy decisions that impact breastfeeding as well as childhood obesity have dominated the media. The goal of this workshop is to stimulate discussion regarding current policies that impact infant, child, and adolescent nutrition. The workshop will consist of a didactic presentation to educate participants on current policies. This presentation will be followed by 3-4 roundtable discussions in an effort to discuss controversial issues as well as stimulate problem solving. Finally, these discussion groups can develop mechanisms to advocate for public policies that can positively impact childhood nutrition.

8:00am–11:00am

### **6174 Using Electronic Health Records for Pediatric Research and Quality Improvement**

PAS Workshop ~ TCC, Room 706

Target Audience: Students, residents, fellows and faculty interested in using electronic health records for research or quality improvement.

Objectives:

- Better understand electronic health record (EHR) technologies and the strengths and weaknesses of EHR data for research and quality improvement
- Learn to extract and process aggregate EHR
- Better understand regulatory issues related to IRB guidelines, HIPAA, and data use agreements

Leader: Su-Ting T. Li Co-leaders: Richard N. Shiffman, Christoph U. Lehmann, Robert W. Grundmeier, William Adams

This workshop will introduce the implications for research and quality improvement efforts using electronic health records (EHR). Participants will work together in small groups to design a research question that may be answerable with EHR data. Using sample data, each group will extract and manipulate data from the EHR in order to address their question. Participants are expected to raise methodological questions based on the exercises and their previous experiences. An expert panel will respond to these questions and provide solutions.

8:00am–11:00am

### **6176 Using Medical Errors As Learning Opportunities**

PAS Workshop ~ TCC, Room 809

Target Audience: Residents and faculty interested in developing skills in analyzing patient safety incidents and leading serious event reviews.

Objectives:

- Analyze medical errors in the context of systems failures
- Utilize facilitation tools to lead a root cause analysis
- Develop and implement an action plan to prevent error recurrence

Leader: Dena Brownstein; Co-leader: Ed Marcuse

This interactive workshop will demonstrate error management through open discussion that focuses on systems of care rather than individual performance. Using scenarios of adverse events, teams of participants will analyze contributing factors, identify root causes, and develop action plans to track the effectiveness of the interventions proposed to prevent a recurrence and script clinician-family error disclosures. Facilitation tools including a clinical timeline, fishbone diagram, and root cause analysis and action plan templates will be demonstrated. Principles of reliability science and human factors engineering will be touched upon.

8:00am–11:00am

### **6178 Child Abuse**

APA Special Interest Group ~ TCC, Room 205D

Chair: Cindy Christian, christian@email.chop.edu

Greetings once again from Philadelphia, Pennsylvania. Once again, the child abuse SIG is being co-sponsored by the AAP section on child abuse. I'd like to thank my friends at the AAP for their support. The Child abuse SIG will be held on Sunday, May 6, 2007, from 8-11 AM- location to follow- somewhere in beautiful Toronto! So grab a cup of coffee, and please join us. Whenever possible, I try to highlight work that is being done by colleagues in our host city.

8:00am–11:00am

### **6180 Community-Based Physicians**

APA Special Interest Group ~ TCC, Room 705

Chair: David Bromberg, dbromberg@peds.umaryland.edu

8:00am–11:00am

### **6182 Emergency Medicine**

APA Special Interest Group ~ TCC, Room 707

Chairs: Joan Bothner, bothner.joan@tchden.org; and Michael K. Kim, mkim@mcw.edu

The meeting this year will be a joint meeting of the APA Emergency Medicine SIG and the AAP Section on Emergency Medicine. For the first time this year a joint award from the APA SIG and the AAP SOEM will be presented for the best research presentation by a member of both the AAP and the APA.

The focus of this year's meeting will be on New Innovations/New Technologies/New Approaches in Pediatric Emergency

Medicine. A true challenge for emergency departments is to consistently deliver high quality and evidence based care. The agenda will include presentations on the clinical aspects of some of the newer technologies in the field, as well as a discussion on the implementation of evidence based medicine into clinical care in a way that ensures that care is quality driven. We look forward to a lively and interactive meeting.

*Co-sponsored by the AAP Section on Emergency Medicine*

8:00am–11:00am

### **6184 Environmental Health**

APA Special Interest Group ~ TCC, Room 704

Chairs: Christine L. Johnson, [cjohnson@nmcscd.med.navy.mil](mailto:cjohnson@nmcscd.med.navy.mil); Jerome A. Paulson, [jpaulson@cnmc.org](mailto:jpaulson@cnmc.org); and Robert O. Wright, [robert.wright@channing.harvard.edu](mailto:robert.wright@channing.harvard.edu)

The most exciting part of the meeting and the main focus will be a presentation on The Impact of Global Climate Change on the Health of Children by Kristie Ebi, PhD, MPH. Dr Ebi is an epidemiologist who has worked on a range of health issues including impact of climate change with vector-borne diseases, heat waves, extreme events (flooding), food-borne diseases, and air pollution. She is currently an independent consultant and has worked at the WHO European Centre for Environment and Health in Rome, Italy. The Environmental Health SIG will discuss resident training in environmental health and conduct SIG business.

9:00am–12:00pm

### **6205A LWPES Presidential Lecture and Plenary Session II: Endocrinology/Diabetes Awards**

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.

Objective: Appreciate and understand advances in clinical and basic science research related to pediatric endocrinology and diabetes

Chair: Alan D. Rogal, University of Virginia, Charlottesville, VA

#### **9:00 LWPES Presidential Lecture—35 Years: Our Heritage and Our Destiny**

Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK

Chairs: Alan D. Rogal, University of Virginia, Charlottesville, VA; and Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK

#### **10:00 LWPES Judson J. Van Wyk, M.D. Prize for Career Achievement in Pediatric Endocrinology\***

Robert M. Blizzard, University of Virginia, The Blake Center, Charlottesville, VA

*\*Sponsored by Novo Nordisk*

Chairs: Mary M. Lee, University of Massachusetts Medical School, Worcester, MA; and Andrea M. Haqq, Duke University Medical Center, Durham, NC

Current recipients of various LWPES Scholar Awards will present a synopsis of their activities and research supported by these awards.

#### **10:20 Brainstem Mechanisms in Cachexia—LWPES AstraZeneca Fellowship Award**

Mark Deboer, Oregon Health and Science University, Portland, OR

#### **10:40 Glucose Tolerance and Insulin Resistance in Obese Siblings of Children with Type 2 Diabetes—LWPES Genentech Clinical Scholar Award**

Sheela Magge, Children's Hospital of Philadelphia, Philadelphia, PA

#### **11:00 Congenital Hyperinsulinism: Molecular Mechanisms and Diagnoses—LWPES Lilly Fellowship Award**

Olga T. Hardy, Children's Hospital of Philadelphia, Philadelphia, PA

#### **11:20 Developing a Novel Animal Model for Cystic Fibrosis Related Diabetes—LWPES Pharmacia/Pfizer Fellowship Award**

Michael S. Stalvey, University of Florida College of Medicine, Gainesville, FL

#### **11:40 Deconvoluting the Metabolic Syndrome: The Role of Hepatic Insulin Resistance—LWPES Novo Nordisk Clinical Scholars Award**

Sudha Biddinger, Joslin Diabetes Center, Boston, MA

10:00am–12:00pm

### **6220A Hemangiomas, Vascular Malformations and Vascular Tumors**

ASPHO Symposium ~ TCC, Room 718B

Target Audience: General pediatricians, neonatologists, pediatric surgeons, dermatologists, radiologists, pediatric hematologists/oncologists.

Objectives:

- Identify life-threatening situations related to vascular tumors
- Choose the best treatment option for a vascular tumor

– Participate in a multi-disciplinary treatment approach for children with vascular tumors

Chair: Brigitta U. Mueller, Texas Children's Cancer Center, Baylor College of Medicine, Houston, TX

Vascular tumors, both benign and malignant, are often associated with coagulation disturbances and sometimes treated with chemotherapy. It is therefore important that the pediatric hematologist/oncologist be familiar with the presentation, treatment options and challenges of these tumors. This symposium will feature experts from different disciplines (pediatric dermatology, surgery and hematology/oncology) who will discuss the management of some common and more rare presentations of vascular tumors.

**10:00 Common and Less Common Problems Related to Hemangiomas and Vascular Malformations**

Brigitta U. Mueller, Texas Children's Cancer Center and Hematology Service, Baylor College of Medicine, Houston, TX

**10:10 PHACE(s) and Other Unusual Hemangiomas**

Denise Metry, Texas Children's Hospital, Baylor College of Medicine, Houston, TX

**10:40 Vascular Malformations: The Surgeon's Role**

Steven J. Fishman, Boston Children's Hospital, Harvard Medical School, Boston, MA

**11:10 Chemotherapy, Coagulopathy and Other Hem/Onc Aspects of Vascular Tumors**

Denise Adams, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

**11:40 Question and Answer Session**

10:15am–12:00pm

**6225 APS Presidential Plenary and Awards**

TCC, Hall F

*Edward R.B. McCabe*

*President, American Pediatric Society*

**10:15 2007 APS Presidential Address—Robust Complex Networks in Health, Disease and International Pediatric Research**

Edward R.B. McCabe, Physician-in-Chief, Mattel Children's Hospital at UCLA, Mattel Executive Endowed Chair, Department of Pediatrics and Professor, Department of Human Genetics, David Geffen School of Medicine at UCLA, Los Angeles, CA

**10:40 New Member Outstanding Science Award – Unraveling the Function of IGF1Ps**

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

**11:00 Introduction, John Howland Awardee**

Gail J. Demmler, Professor, Department of Pediatrics, Baylor College of Medicine, Houston, TX

**55th Annual John Howland Award**

Ralph D. Feigin, J.S. Abercrombie Professor of Pediatrics and Chairman, Department of Pediatrics, Baylor College of Medicine, Physician-in-Chief, Texas Children's Hospital, Houston, TX

**11:30 Introduction, Joseph W. St. Geme, Jr. Leadership Award**

Robert M. Kliegman, Pediatrician-in-Chief, Children's Hospital of Wisconsin; Professor and Chair of Pediatrics, Medical College of Wisconsin, Milwaukee, WI

**Joseph W. St. Geme, Jr. Leadership Award\***

Richard E. Behrman, Professor of Pediatrics and Dear., Emeritus, Case Western Reserve University; Clinical Professor of Pediatrics, University of California-San Francisco and George Washington University

*\*The Joseph W. St. Geme, Jr. Leadership Award is presented by the Federation of Pediatric Organizations on behalf of the Ambulatory Pediatric Association, American Academy of Pediatrics, American Board of Pediatrics, American Pediatric Society, Association of Medical School Pediatric Department Chairmen, Association of Pediatric Program Directors and Society for Pediatric Research.*

11:00am–3:00pm

**Commercial Exhibits Open and Posters Available for Viewing**

TCC, Exhibit Hall E

Posters Available for Viewing: 11:00am–3:00pm

Author Attendance: 12:00pm–2:00pm

11:45am–1:30pm

APA Committees ~ FRY

**6231 Education**

Confederation 6

**6232 Health Care Delivery**

New Brunswick

**6233 Public Policy / Advocacy**

Nova Scotia

**6234 Research**

Saskatchewan

12:00pm–1:30pm

**6240A Directors of Research in Pediatrics Club**  
**The Era of Clinical and Translational Research**

TCC, Room 709

**Five Stages of Career Development in the Pediatrics Pipeline: Supporting the Informatics Needs of Translational Researchers**

Bernard L. Maria, Executive Director, Children's Research Institute; Associate Director, Neuroscience Institute, Medical University of South Carolina, Charleston, SC

**Multi-institutional Networks**

Bertram H. Lubin, President, Director of Medical Research, Children's Hospital Oakland Research Institute, Oakland, CA

*Box lunches will be provided.*

12:00pm–1:30pm

**6245A Milk Club**

TCC, Room 716A

**Exclusive Breastfeeding Duration: What is the Evidence?**

Nancy Krebs, University of Colorado Health Sciences Center, Denver, CO

**Over Reliance on Breast Pumps and Under Production of Breastmilk**

Jane Morton, Stanford University School of Medicine, Stanford, CA

12:00pm–1:30pm

**6250A Perinatal Brain Club: Perinatal Stroke**

TCC, Hall G

**12:00 Definition and Epidemiology**

Yvonne W. Wu, University of California, San Francisco, CA

**12:30 Clinical Presentation and Diagnostic Evaluation**

Gabrielle A. deVeber, Hospital for Sick Children, Toronto, Canada

**1:00 Neuroimaging and the Relationship to Outcome**

Linda S. de Vries, Wilhelmina Children's Hospital, UMCU, The Netherlands

12:00pm–2:00pm

**Poster Session II**

TCC, Exhibit Hall E

Author Poster Set Up: 9:00am–11:00am

Poster Removal: 3:00pm–3:30pm

Available for Viewing: 11:00am–3:00pm

Author Attendance: 12:00pm–2:00pm

**Neonatal Epidemiology & Follow-Up**

**6280 Newborn Screening & High Throughput Methods**

- 1\*** **Small for Gestational Age Neonates and Neonates with an Appropriate Weight for Gestational Age Have the Same Blood Pressures during the First Week of Life.** Jaime C. Smal, Cuno S. Uiterwaal, Hein W. Bruinse, Frank van Bel. *Publication 6280.1*
- 2\*** **Linking Records To Estimate Newborns with Congenital Cardiovascular Malformations (CCVM) Potentially Detectable by Pulse Oximetry Screening.** Tajwar Aamir, Lakota Kruise, Osita V. Ezeakudo. (Sponsored by Dennis Davidson) *Publication 6280.2*
- 3\*** **The Impact of Prenatal Diagnosis on Early Management, Preoperative Neurological Outcome and Surgery in Children with Congenital Heart Disease.** Anastasia Lianos, Katharina Waldvogel, Luciano Molinari, Ali Dodge-Khatami, Ingrid Beck, Margrit Fasnacht, Urs Bauersfeld, Beatrice F. Latal. *Publication 6280.3*
- 4\*** **Predictors of Preoperative Neurological Outcome and Its Impact on Surgery in Children with Congenital Heart Disease Undergoing Cardiopulmonary Bypass.** Anastasia Lianos, Katharina Waldvogel, Luciano Molinari, Ali Dodge-Khatami, Manuela Kaufmann, Urs Bauersfeld, Bea F. Latal. *Publication 6280.4*
- 5** **Birth Defects and Prematurity among Newborns Hospitalized in the United States.** Charlotte A. Hobbs, Kristi G. Palmer, Mac T. Bird, Mario A. Cleves, James M. Robbins. *Publication 6280.5*
- 6\*** **Maternal and Neonatal Characteristics of Nonviable Infants: 1995-2005.** Molly M. Pont, Brian S. Carter. *Publication 6280.6*
- 7\*** **Efficacy of Prophylaxis in a Home Setting in Reducing the Incidence of RSV Hospitalization.** Caroline O. Chua, Vanessa V. Mercado, Marvin Siegel, Sergio G. Golombek. *Publication 6280.7*

- 8 **Lessons from SARS: Directions for Future Pandemic Planning.** Sharon Unger, Lesley Wylie, Nehad Nasef, Shafagh Fallah, Karel O'Brien. (Sponsored by Arne Ohlsson)*Publication 6280.8*
- 9 **Compliance with RSV Prophylaxis in an Urban Inner-City Population.** Gopal Srinivasan, Hari B. Srinivasan. *Publication 6280.9*
- 10\* **Mortality from Necrotizing Enterocolitis Is Increased in the Presence of Patent Ductus Arteriosus.** Yigit Guner, Philippe Friedlich, Fred Dorey, Victoria Camerini, Henri Ford, Jeffrey Upperman. *Publication 6280.10*
- 11 **Temporal Clustering of Necrotizing Enterocolitis in a Population-Based Neonatology Practice.** J. Meinzen-Derr, A.L. Morrow, RW Hornung, E.F. Donovan, K.N. Dietrich, P.A. Succop. *Publication 6280.11*
- 12\* **Neurodevelopmental Outcomes of Extremely Low Gestational Age Infants (ELGA, <28 Weeks) with Bronchopulmonary Dysplasia (BPD): Effects of Practice Changes in 2000-2003.** Kristen Kobaly, Mark Schluchter, Nori Mercuri-Minich, Gerry Taylor, Deanne Wilson-Costello, Maureen Hack. *Publication 6280.12*
- 13 **Newborn Hospitalizations of Infants with Congenital Diaphragmatic Hernia in the US, 1993-2003.** T.M. Bird, Charlotte A. Hobbs, Mario A. Cleves, John M. Tilford, Mary E. Aitken, James M. Robbins. *Publication 6280.13*
- 14 **The Relationship between Congenital Malformations and Preterm Birth.** Jordan S. Kase, Paul Visintainer. *Publication 6280.14*
- 15 **Major Congenital Anomalies Following First Trimester Serotonin Reuptake Inhibitor Exposure Using Linked Population-Based Health Data.** Tim F. Oberlander, William Warburton, Shaila Misri, Jaafar Aghajanian, Clyde Hertzman. *Publication 6280.15*
- 16\* **Is the Prevalence of Abdominal Wall Defects in the Hudson Valley Region of New York State a Public Health Concern?** Tania Mangones, Emilie Cobert, Paul Visintainer, Sergio G. Golombek, Heather L. Brumberg. *Publication 6280.17*
- 17 **Growth and Neurodevelopmental Outcomes of Infants Who Received Amino Acid Administration Immediately after Birth.** P.S. Shah, K. Kotsopoulos, E.N. Kelly. *Publication 6280.18*
- 18 **Positive Effect of NICU Admission on Breastfeeding of US Infants in 2000-2003.** Tarah Colaizy, Frank Morriss. *Publication 6280.19*
- 19 **The WIC Effect on Birth Outcomes: Evidence of Bias Due to Late Enrollees.** Andrew D. Racine, Theodore J. Joyce, Christina Yunzal-Butler. *Publication 6280.20*
- 20 **Type and Severity of Hearing Loss in a NICU Population after Neonatal AABR Hearing Screening.** Henrica van Straaten, Jessica Kuyper, Elysee Hille, Paul Verkerk. *Publication 6280.21*
- 21 **First BERA Highly Predictive for Severity Hearing Loss in NICU Population.** Henrica van Straaten, Jessica Kuijper, Elysee Hille, Paul Verkerk. *Publication 6280.22*
- 22 **Do Gender and Race Modify Early Postnatal Weight Loss in Extremely Low Birth Weight Infants (ELBW, Birth Weight < 1000 g)?** Rita P. Verma, Syed Shibli, Hai Fang. *Publication 6280.23*
- 23\* **Noise Level in Neonatal Intensive Care Unit before and after Interventions.** Shruti Gupta, Donna Baranek, Carol Catania, Janet E. Larson. *Publication 6280.24*
- 24\* **Comparison of Utilization of Interventional Therapies between Moderately Preterm and Very Preterm Infants at 12 Months Corrected Age.** Jessica L. Kalia, Jordan Kase, Paul Visintainer, Heather L. Brumberg, Maria Pici. *Publication 6280.25*
- 25 **Psychological Distress in Parents of Premature Infants at Discharge from the NICU.** Pilar Saenz, Marta Cerda, Maria Gorba, Jose Luis Diaz Cordobes, Patricia Yi, Pilar Barreto, Maximo Vento. *Publication 6280.26*
- 26\* **Psychological Follow up of Parents of Preterm Infants Enrolled in an Early Discharge Program from the NICU.** Pilar Saenz, Jose Luis Diaz Cordobes, Marta Cerda, Nuria Boronat, Pilar Barreto, Patricia Yi, Maximo Vento. *Publication 6280.27*
- 27 **Etiology of High Cortisol Levels in Preterm Infants at 18 Months: Contribution of Illness, Surgery and Re-Hospitalization.** Mai Thanh Tu, Ruth E. Grunau, Benny Lau, Joanne Weinberg, Michael F. Whitfield. *Publication 6280.28*
- 28 **The Interplay between Infant Basal Cortisol, Maternal Parenting Stress and Internalizing Behavior in Extremely Preterm and Full-Term Infants at 18 Months.** Mai Thanh Tu, Ruth E. Grunau, Joanne Weinberg, Michael Whitfield. *Publication 6280.29*
- 29\* **Hypothermia in Very Low Birth Weight Infants – Incidence and Risk Factors.** Stephanie S. Miller, Jeffrey B. Gould, Henry C. Lee. *Publication 6280.31*
- 30 **Treatment-by-Gender Effect When Aiming To Avoid Hyperoxia in Preterm Infants in the NICU.** Richard Deulofeut, Armando Castillo, Golde Dudell, Augusto Sola. *Publication 6280.32*
- 31\* **Stress and Post-Partum Depression among Mothers of NICU Infants.** Munish Kumar, Richard J. David, Suma Pyati. *Publication 6280.33*
- 32 **Neonatal Nurse Practitioner (NNP) Decisions about Delivery-Room Resuscitation (DRR) for Extremely Premature Infants.** Jonathan M. Fanaroff, Kristy L. Sechkar, Laura Mancini. *Publication 6280.35*
- 33 **Maternal Depressive Symptoms during the First Year after Pregnancy Complicated by Severe Hypertensive Disorders, Are Not Associated with One Year Bayley Scores of the Offspring.** Ageeth G. Kaspers, Jolanda Westera, Annelies Rep, Joke H. Kok, Wessel Ganzevoort, Aleid G. Van Wassenaer. *Publication 6280.36*
- 34 **The Association of Multiple Psycho-Social and Behavioral Risk Factors with Poor Pregnancy Outcomes in a Population of High Risk African American Mothers.** Ayman A.E. El-Mohandes, Michele Kiely, Nabil El-Khorazaty, Siva K.N. Subramanian, Marie G. Gantz. *Publication 6280.37*

- 35\* **Risk for Neonatal Transient Tachypnea and C-Section in Term Neonates: An Epidemiological Study.** L. Gortner, K. Gries, B. Misselwitz, E. Tutdibi. *Publication 6280.38*
- 36\* **Who Decides Birth Weight in Interracial Couples, Mother or Father?** Masayoshi Uemura, Chang G. Park, Sudhir Sriram, Jaideep K. Singh, Leslie Caldarelli, Kwang sun Lee. *Publication 6280.39*
- 37 **Barriers to Breastmilk Feeding Maintenance: Maternal Opinions Differ from Hospital Staff Perception.** Isabell B. Purdy, Cindy Le, Namrata Singh, Cynthia Bell, Christie Whiteside. (Sponsored by Meena Garg) *Publication 6280.40*
- 38 **(Moved to Poster Session IV, Tuesday, Poster 124A) Neurological Exam at 40 Weeks Postmenstrual Age – Predictor for Developmental Outcome at 2 Years Corrected Age.** Adrian Ioan Toma, Iulia Petrescu, Ruxandra Mitu, Eugen Matu. *Publication 6280.41*
- 39\* **Trends in Cesarean Delivery for Breech Presentation in the United States 1997-2003.** Henry C. Lee, Yasser Y. El-Sayed, Jeffery B. Gould. *Publication 6280.42*
- 39A **Cerebral Blood Flow Velocity Asymmetry, Neurobehavioural Maturation, and the Cognitive Development of Premature Infants across the First Two Years.** Arthur Eidelman, Ruth Feldman, Hadar Arditi, Cathy Hammerman. *Publication 6280.42A*
- 40 **Improvement of MDI and PDI Scores in Very Preterm Infants between 24 and 36 Months Corrected Age.** Bregje A. Houtzager, Bianca Gorter-Overdiek, Loekie van Sonderen, Pieter Tamminga, Aleid G. van Wassenaer. (Sponsored by J.H. Kok) *Publication 6280.43*
- 41 **How Confident Can We Be of Positive Results in Neonatal Meta-Analyses – Are Current Trials Large Enough?** Nofisat O. Ismaila, Kristian Thorlund, P.J. Devereaux, Gordon Guyatt, Haresh Kirpalani. *Publication 6280.44*
- 42\* **Unfogging the Future: Can We Foresee the Ultimate Outcome of NICU Patients in the First Few Days of Life?** Joanne Lagatta, Bree Andrews, Madhu Subramanian, Sam Wong, Amaris Keiser, Joanna Laporte, Leslie Caldarelli, William Meadow. *Publication 6280.45*
- 43\* **Environmental Exposures and Respiratory Morbidity among Very Low Birth Weight (VLBW) Infants at One Year of Life.** K.A. Lynch, T.E. Hernandez, K.M. Conn, T.P. Stevens, T.T. Perry, J.S. Halterman. *Publication 6280.46*
- 44 **Evolution of Overweight Status in a Low Birth Weight Cohort.** Patrick H. Casey, Robert H. Bradley, Leanne Whiteside-Mansell, Kathleen W. Barrett, Jeffrey Gossett, Pippa M. Simpson. *Publication 6280.47*
- 45\* **The Impact of the 5-Minute Apgar Score on Infants <1,000 Grams.** Angela M. McGovern, Sharon Kirkby, Jay S. Greenspan, Jennifer Culhane, David Webb, Kevin Dysart. *Publication 6280.48*
- 46 **Preterm Birth and Age of Death in Sudden Infant Death Syndrome.** Barbara M. Ostfeld, Linda Esposito, Harold Perl, Alicia Sandler, Paula Goldblatt Pearson, Thomas Hegyi. *Publication 6280.49*

## Neonatology

### 6281 NICU Pain Management

- 47 **Managing Neonatal Pain While Rationalising the Use of Morphine – A Retrospective Observational Study.** Sunit V. Godambe, Inga M. Warren, Jayanta Banerjee, Peter C.M. Chow. (Sponsored by Sonia Imaizumi) *Publication 6281.1*
- 48 **Initial Validation of the Behavioral Indicators of Infant Pain (BIIP).** Liisa Holsti, Ruth E. Grunau. *Publication 6281.2*
- 49 **Number of Invasive Procedures and Corresponding Analgesic Therapy in Neonates Admitted to NICUs and PICUs: The EIPPAIN Multicenter Study.** R. Carbajal, A. Rousset, B. Marchand, S. Coquery, P. Nolent, S. Ducrocq, C. Saizou, A. Lapillonne, M. Granier, Ph Durand, R. Lenclen, A. Coursol, Ph Hubert, L. de Saint Blanquat, C. Huon, P. Cimerman, D. Annequin. *Publication 6281.3*
- 50 **The Burden of Failed Attempts during Painful Procedures in Neonates Requiring Intensive Care: The EIPPAIN Multicenter Study.** R. Carbajal, A. Lapillonne, M. Granier, Ph Durand, R. Lenclen, A. Coursol, Ph Hubert, L. de Saint Blanquat, A. Rousset, C. Danan, S. Coquery, P. Nolent, S. Ducrocq, C. Saizou, C. Huon, P. Cimerman, P.Y. Boelle. *Publication 6281.4*
- 51\* **The Effectiveness of Repeated Doses of Oral Sucrose in Reducing Procedural Pain during the Course of an Infant's Prolonged Hospitalisation.** Denise M. Harrison, Peter Loughnan, Elizabeth Manias, Linda Johnston. (Sponsored by Paul Ekert) *Publication 6281.5*
- 52 **Changes over Time in Pain Responses in Infants at Risk for Neurologic Impairment.** Bonnie Stevens, Patrick McGrath, Sharyn Gibbins, Annie Dupuis, Janet Yamada, Arne Ohlsson. *Publication 6281.6*
- 53 **Use of Pharmacological Versus Nonpharmacological Pain Interventions in Infants at Risk for Neurological Impairment.** Bonnie Stevens, Patrick McGrath, Annie Dupuis, Marilyn Ballantyne, Janet Yamada, Arne Ohlsson. *Publication 6281.7*
- 54 **Pain Responses in Infants of Varying Gestational Ages.** Sharyn A. Gibbins, Bonnie J. Stevens, Patrick McGrath, Janet Yamada. (Sponsored by Elizabeth Asztalos) *Publication 6281.8*
- 55 **Opinions of Health Care Workers in Intensive Care Units about Procedural Pain in Neonates: The EIPPAIN Multicenter Study.** N. Minart, P.Y. Boelle, M. Dervillers, B. Marchand, V. Debuche, B. Sgaggero, M. Delespine, E. Gasq, C. Rose, K. Pouvelle, A.M. Ferreira, MC Nanquette, L. Riquier, G. Laigle, J.L. Chabernaude, A. Ayachi, K. Kessous, V. Larsul, J. Lavaud, P. Cimerman, R. Carbajal. *Publication 6281.9*

### 6282 Gastroenterology, Feeding & Nutrition

- 56 **Blood Transfusion Alters the Superior Mesenteric Artery Blood Flow Velocity (MBFV) Response to Feeding in Premature Infants.** Gretchen Krimmel, Robyn Baker, Toby Yanowitz. *Publication 6282.1*
- 57 **Effects of Early Postnatal Indomethacin and Ibuprofen on Prostaglandin E2 and Growth Factors in the Developing Rat Ileum.** Kay D. Beharry, Jamal Hasan, Zahra Gharraee, Arwin M. Valencia, Patricia Abad-Santos, Matthew Abad-Santos, Jacob V. Aranda, Houchang D. Modanlou. *Publication 6282.2*
- 58 **Effect of Intravenous (IV) Ibuprofen on Mesenteric Blood Flow Velocities in Babies <1500g Birthweight.** G. Justin Richards, James Seddon, Shazia Hoodbhoy, Hazel Cutting, Morag E. Campbell. *Publication 6282.3*
- 59 **The Effect of Nasal CPAP on Pre- and Post-Prandial Mesenteric Blood Flow in Preterm Neonates.** Thomas G. Havranek, Jane D. Carver. *Publication 6282.4*
- 60\* **Superior Mesenteric Artery Blood Flow Velocity (SMA BFV) Is Reduced in Very Low Birth Weight (VLBW) Infants Receiving Phototherapy.** Anne C. Kotto-Kome, Jane D. Carver, Thomas Havranek. *Publication 6282.5*
- 61\* **Development of Necrotizing Enterocolitis Following Treatment for Patent Ductus Arteriosus in Very Low Birthweight Infants: A Single Center Experience.** Hilary S. Wong, Steven A. Ringer. *Publication 6282.6*
- 61A **Nitrosative and Oxidative Markers of Necrotizing Enterocolitis: Feasibility Pilot Data from the Biomarkers of Necrotizing Enterocolitis (BioNEC) Study.** Michael A. Posencheg, Craig Harvey, Pamela A. Scott, Kathleen Mooney, Kerrie Kelly, David A. Munson, Richard Markowitz, Andrew J. Gow. *Publication 6282.6A*
- 62 **Cow's Milk Protein-Induced Enterocolitis in Near-Term and Full-Term Infants with Preceding Necrotizing Enterocolitis.** So-Yeon Shim, Han-Suk Kim, Sang-Duck Kim, Jin-A. Lee, Do-Hyun Kim, Chang-Won Choi, Ee-Kyung Kim, Dong Woo Son, Beyong Il Kim, Jung-Hwan Choi. (Sponsored by Kwang-sun Lee) *Publication 6282.7*
- 63 **G6PD Deficiency - Yet Another Association with Necrotizing Enterocolitis?** David L. Schutzman, Rachel Porat. *Publication 6282.8*
- 64 **Establishing a Human Milk Bank in Eastern Canada - Why It Makes Cents.** Jae H. Kim, Debbie Stone, Laura Stefanizzi, Sharyn Gibbins, Dorothy Dougherty, Linh G. Ly, Andrea Nash, Sharon Unger. *Publication 6282.9*
- 65 **The Effects of Lactulose Supplementation to Enteral Feedings in Premature Infants - A Pilot Study.** Arieh Riskin, Ori Hochwald, David Bader, Isaac Srugo, Amir Kugelman, Ron Shaoul. (Sponsored by Imad R. Makhoul) *Publication 6282.10*
- 66\* **Umbilical Cord Arterial and Venous Unbound Free Fatty Acid Concentrations in Term Infants.** Vasudha Tulsyan, Alan Kleinfeld, Swetha Sama, Edward Battista, Michael Graff, James P. Kampf, Andrew H. Huber, Thomas Kwan, Baolong Zhu, Thomas Hegyi. *Publication 6282.11*
- 67\* **Incidence of Hypoglycaemia in Term Newborns with Birthweight below the Tenth Percentile.** Abdelwaheb Mejri, Anne-Monique Nuyt, Carceller Ana. *Publication 6282.12*
- 68 **Comparison of 3- vs. 2-Hourly Feeding Regime in Extremely Low Birth Weight Infants.** Mario Rudiger, Sandra Herrmann, Hannes Hammer, Gerd Schmalisch, Roland R. Wauer. (Sponsored by Thomas Shaffer) *Publication 6282.13*
- 69\* **Feeding Affects the Frequency, Acidity, and Bolus Height of Gastroesophageal Reflux (GER) in Preterm Infants.** Christopher Slocum, Marina Arko, Juliann DiFiore, Richard J. Martin, Anna Maria Hibbs. *Publication 6282.14*
- 70 **Modified Barium Swallowing Test in Very Low Birth Weight Infants with Significant Oral Feeding Desaturation.** Jang Hoon Lee, Soo Hyun Koo, Yu Jin Kim, Yun Sil Chang, Won Soon Park, Munhyang Lee. *Publication 6282.15*
- 71 **Effect of Caffeine on Electrogastrography in Very Low Birth Weight Infants.** Soraya Abbasi, Emidio M. Sivieri, Toni Mancini, Jeffrey S. Gerdes. *Publication 6282.16*
- 72 **Vitamin A Status of Extra Low Birth Weight Infants during the Neonatal Period.** Soraya Abbasi, Jeffrey S. Gerdes, Toni Mancini, Rosemary Dworanczyk, Emidio Sivieri, Gilberto R. Pereira. *Publication 6282.17*
- 73 **Ileal Bile Acid Accumulation Precedes Ileal Damage and Inflammation in Experimental Necrotizing Enterocolitis.** Ludmila Khailova, Dania Molla Hosseini, Charity Reynolds, Bohuslav Dvorak, Melissa D. Halpern. *Publication 6282.18*
- 74 **Inhibition of Bile Acid Uptake Reduces Incidence and Severity of Necrotizing Enterocolitis.** Ludmila Khailova, Dania Molla Hosseini, Bohuslav Dvorak, Melissa D. Halpern. *Publication 6282.19*
- 75 **Changes in Hepatic Cell Junctions Structure during Experimental Necrotizing Enterocolitis: Effect of EGF Treatment.** Ludmila Khailova, Charity M. Reynolds, Dania Molla Hosseini, Melissa D. Halpern, Bohuslav Dvorak. *Publication 6282.20*
- 76\* **Delayed Enteral Feeding (EF) Is a Significant Predictor of Parenteral Nutritional Associated Cholestasis (PNAC) in Very Low Birth Weight (VLBW) Premature Infants.** Bram Raphael, Debra Beneck, Jeffrey Perlman. *Publication 6282.21*
- 77\* **Improved Growth in Extremely Low Birth Weight Infants as a Result of Changes in Early Management Strategies: An Historical Cohort Study.** Rafael A. Fonseca, Melinda A. Caskey, Michael H. Malloy, Cara A. Geary. *Publication 6282.22*
- 78 **Early Nutritional Support for ELBW Infants: Influence of Severity of Illness.** Richard A. Ehrenkranz. *Publication 6282.23*
- 79\* **Cue-Based Oral Feeding Facilitates Earlier Achievement of Full Oral Feedings in a High Risk Group of Premature Infants.** A.T. Kirk, S.C. Alder, J.D. King. (Sponsored by Roger G. Faix) *Publication 6282.24*
- 80 **Disproportionate Weight for Length of Preterm Infants at 2, 6, and 12 Months Corrected Age (CA) Follow-Up.** Malika D. Shah, Christina Wiles, Raye-Ann deRegnier. *Publication 6282.25*
- 81 **Impact of Probiotics on Growth and Intestinal Flora of Preterm Infants.** Mark A. Underwood, Stephen H. Bennett, Michael P. Sherman. *Publication 6282.26*

- 82 **Vitamin A Accelerates Healing of Intestinal Perforations in a Rat Model.** Doris E. Yuen, Martin F. Leahy. (Sponsored by Victor Han) *Publication 6282.27*
- 83\* **Removal of Percutaneous Central Venous Catheter (PCVC) in Neonates: A Risk Factor for Sepsis?** Agnes van den Hoogen, Mieke Brouwer, Leo J. Gerards, Andre Fleer, Tannette G. Krediet. (Sponsored by Frank van Bel) *Publication 6282.28*
- 84 **Early Ultrasound Detection of Hepatic Infiltrates in Premature Infants Receiving Parenteral Nutrition Fluid through Umbilical Venous Catheters.** Upender K. Munshi, Barbara Dangman, Dorothy Gilbertson. (Sponsored by Joaquim M. Pinheiro) *Publication 6282.29*
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- 86 **Characterization of Heme Oxygenase Expression in the Gut-Associated Lymphoid Tissues (GALT) and the Intestine of Mice.** Stacy M. Burns-Guydish, Ronald J. Wong, Flora Kalish, Christopher H. Contag, David K. Stevenson. *Publication 6282.31*
- 87 **Safety of Home Nasogastric Feedings for Healthy Premature Infants.** Christine H. Sajous, Marianne F. Chybik, Marc G. Weiss. *Publication 6282.32*

## Allergy/Immunology/Rheumatology

### 6283 Lupus Erythematosus

- 88\* **Somatization and Withdrawal Complaints among Pediatric Lupus Patients.** Eyal Muscal, Barry L. Myones, Douglas R. Bloom. *Publication 6283.1*
- 89\* **Long Term Psychosocial Outcomes of Children with Systemic Lupus Erythematosus in a Large Observational Cohort.** Aimee O. Hersh, Emily von Scheven, Edward Yelin. *Publication 6283.2*
- 90 **Abnormal Expression of Apoptosis-Related Genes in Neutrophils of Children with Systemic Lupus Erythematosus.** Kathleen M. O'Neil, Mark Barton Frank, Ann B. Nguyen, Craig Cadwell, Michael Centola, Igor Dozmorov. *Publication 6283.3*
- 91\* **Functional Magnetic Resonance Imaging (fMRI) - Usefulness for the Diagnosis of Cognitive Impairment (CI) in Childhood-Onset SLE (cSLE).** S. Lvovich, S. Nelson, N. Ruth, M. DiFrancesco, S. Holland, C. Adler, M. DelBello, A. German, D. Ris, H.I. Brunner. *Publication 6283.4*

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- 92\* **Corticosteroid Efficacy in Henoch Schönlein Purpura: A Systematic Review.** Pamela F. Weiss, James A. Feinstein, Jon M. Burnham, Chris Feudtner. *Publication 6284.1*
- 93 **Association of Methotrexate Dose with Hepatic Enzyme Abnormality in Juvenile Idiopathic Arthritis.** Mara L. Becker, Carlos D. Rose, Randy Q. Cron, David D. Sherry, Ebbing Lautenbach. *Publication 6284.2*
- 94 **The Use of Rituximab To Treat Life-Threatening Bleeding Disorders in Pediatric Rheumatic Diseases.** Peter Blier, Deborah Rothman, Philippa Sprinz, Joanne Porter. *Publication 6284.3*
- 95\* **Genomic Evidence That Juvenile Dermatomyositis Is a Neutrophil-Driven Auto-Inflammatory Disorder.** Shirley Wang, Nicholas Knowlton, Amita Aggarwal, Timothy McGhee, Kaiyu Jiang, Yanmin Chen, M. Barton Frank, Michael Centola, James N. Jarvis. *Publication 6284.4*
- 96 **Adverse Reactions Following IVIg Infusions for the Treatment of Juvenile Dermatomyositis (JDM).** Cedric Manlhiot, Pascal N. Tyrrell, Adelle R. Atkinson, Wendy Lau, Brian M. Feldman. *Publication 6284.5*

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- 97\* **Differential Effects of Metalloporphyrins on the Toll-Like Receptor Signaling Pathway.** Sylvie M. Noordermeer, Frank A. Wagener, Guang Yang, Frans G. Russel, Phyllis A. Dennery. *Publication 6285.1*

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- 101 **Experimental Study of Neurocytes Differentiated from Mesenchymal Stem Cells Suppresses Allogenic T Lymphocytes Proliferation.** Chen T. Liu, Yu J. Yang, Xie M, Xiao L. Wang, Qing H. Wang, Xia Wang, Tsu F. Yeh. *Publication 6285.5*
- 102 **Analysis of Light Chain Independent m Heavy Chains in Autoimmune Prone Mice.** Hiroki Yasudo, Takashi Igarashi. *Publication 6285.6*

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- 104\* **Short-Lived Antibody Response as a Manifestation of Primary Immunodeficiency.** Raz Somech, Eyal Grunebaum, Roifman M. Chaim. *Publication 6286.2*
- 105\* **Detection of Cytokines in Dried Blood Spots: Developing a Newborn Screening Test for Severe Combined Immunodeficiency (SCID).** Karin Chen, Sean A. McGhee, Edward R.B. McCabe. *Publication 6286.3*
- 106 **Analysis of DNA Copy Number Variations in 22q11.2 Deletion and Other Interstitial Deletion Syndromes.** S.A. McGhee, U. Bhardwaj, Y.-H. Zhang, B.-L. Huang, M. Suchard, E.R.B. McCabe. *Publication 6286.4*
- 107\* **Pulmonary and Hepatic Disease in a Patient with Partial Adenosine Deaminase (ADA) Deficiency.** Yew Hon Lai, Eyal Grunebaum, Adelle R. Atkinson, Ernest Cutz, Chaim M. Roifman. *Publication 6286.5*
- 108\* **Clinical Course and Immunological Features of Siblings with IRAK-4 Deficiency.** Elana S. Lavine, Chaim M. Roifman. *Publication 6286.6*
- 109 **Minimal Trauma Fractures and Reduced Bone Mineral Density in Hyper IgE Syndrome.** Alexandra F. Freeman, Jennifer Ling, Michael T. Collins, Edward F. McCarthy, Joie Davis, Jennifer M. Puck, Steven M. Holland. (Sponsored by Thomas Rubio) *Publication 6286.7*
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- 111\* **Hemophagocytic Lymphohistiocytosis in a Patient with T-B+NK+ Severe Combined Immunodeficiency.** Fotini D. Kavadas, Raz Somech, Michael Pollanen, Chaim M. Roifman. *Publication 6286.9*

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- 112\* **Transepidermal Water Loss as a Biological Marker of Skin Barrier Function in Atopic Dermatitis in Children.** Jayanta Gupta, Emilie Grube, Anne W. Lucky, Anita Sheth, Amal Assa'ad, Gurjit K. Khurana Hershey. *Publication 6287.1*
- 113 **IgE Anti-Borrelia burgdorferi Components (p18, p31, p34, p41, p45, p60) and Increased Blood CD8+CD60+ T Cells in Children with Lyme Disease.** Tamar A. Smith-Norowitz, Stephan Kohlhoff, Jennie Robin, Meir Ruditzky, Kevin B. Norowitz, Seto Chice, Edna Pytlak, Maja Nowakowski, Helen G. Durkin, Martin H. Bluth. (Sponsored by Margaret Hammerschlag) *Publication 6287.2*
- 114 **Pediatrician Knowledge of Clinical Presentation and Dietary Management of Food Allergy.** Scott D. Krugman, Delia R. Chiaramonte, Elizabeth C. Matsui. *Publication 6287.3*

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- 115 **Bronchial Hyperresponsiveness in Small Airways and Large Airways during Adolescent Period.** Reiko Muramatsu, Hiroyuki Mochizuki, Hiromi Tadaki, Takahisa Mizuno, Hirokazu Arakawa, Akihiro Morikawa. (Sponsored by David Stevenson) *Publication 6288.1*
- 116 **Relationship between Body Mass Index and Asthma Indicators among Minority Pre-School Aged Children.** Perla A. Vargas, Tamara T. Perry, Elias Robles, Chan-Hee Jo, Pippa M. Simpson, James S. Magee, Charles R. Feild, Reza Hakkak, Polly A. Carroll, Stacie M. Jones. *Publication 6288.2*
- 117 **Improving Asthma Care by Primary Care Pediatricians: An Interactive Approach.** Tyra Bryant-Stephens. *Publication 6288.3*
- 118\* **The Effect of Presentation Media on the Validity of an Asthma Identification Survey Instrument.** Anne McLaughlin, Majed Koleilat, Mark Graves, James Brokaw, Bruce Shelton, Roger Pottanat, Courtney Kiefer, Mark Graves. *Publication 6288.4*
- 119 **Asthma and Body Mass Index among Schoolchildren in a Developing Country.** Hala Tamim, Evan Castel, Chris Ardern, Fares Zaitoun, Fuad Ramadan, Umayya Musharrafieh. (Sponsored by Sherin U. Devaskar) *Publication 6288.5*
- 120\* **Pilot Survey To Sample the Consensus among Pediatricians and Allergists in Prescribing Corticosteroids To Treat Asthma Exacerbation in Children.** Pamela Britto-Williams, Christopher Williams, Ronald Thomas, Milind Pansare, Deepak Kamat. *Publication 6288.6*
- 121\* **Prevalence of Asthma in Inner City South Bronx Pediatric Immigrant Population Aged 3-17 Years.** Veronica F. Reyes, Olumide Oyefeso, Akila Muthukumar, Radha Biswas, Anil Pawa, Ronald Bainbridge, Ayoade Adeniyi, Richard Neugebauer. *Publication 6288.7*

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- 123\*** **Neonatal Characteristics and Hospitalisation for Atopic Asthma in Children – Results from a Large Prospective Birth-Cohort Study.** Maria Timischl, Ursula Kiechl-Kohlendorfer, Elisabeth Horak, Wilfried Muller, Robert Strobl, Claudia Haberland, Franz Martin Fink, Michaela Schwaiger, Karl-Heinz Gutenberger, Stefan Kiechl. (Sponsored by Pierre Gressens)  
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- 124** **Home Remodeling and Asthma: A Randomized Controlled Trial.** Megan Sandel, Emily Litonjua, Margaret Reid, Sherry Dixon, Ellen Tohn.  
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- 125** **Porcine Pulmonary Extracts as Source of Pure Glycoproteins Surfactant Protein A (SP-A) and alpha1 – Antitrypsin (alpha1-AT) for Animal Model of Lung Injury.** Flavia S. Kubrusly, Sandra C. Dias, Dirce Sakauchi, Alexander R. Precioso, Dmitri Iourtov, Lucila R. Veiga, Denise S.P.Q. Horton, Roxane M.F. Piazza, Renata S. Mascaretti, Celso M. Rebello, Isaias Raw.  
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- 126\*** **Home-Based IV Antibiotic Therapy for Pulmonary Exacerbations in Cystic Fibrosis (CF) Patients Is Safe and Effective.** John P Ervoes, Alicia Grenolds, Neeli Yavor, David A. Waltz, Gregory S. Sawicki. (Sponsored by Lawrence Rhein)  
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- 127\*** **Length of Stay and Hospital Charges for Children with Cystic Fibrosis Vary among Children's Hospitals.** Gregory Sawicki, Dionne Graham, David Waltz, Jonathan Finkelstein. *Publication 6289.6*
- 128\*** **Bronchoalveolar Lavage in Children with HIV/AIDS: Comparison Pre HAART to HAART Era Treatment.** Katharina D. Graw-Panzer, Shivani Verma, Ninad Desai, Haesoon Lee, Madu Rao, Stephen Wadowski. *Publication 6289.7*
- 129** **Mild Asthma with Severe Exacerbations: Characterizing a Pediatric Phenotype.** Christopher L. Carroll, Criag M. Schramm, Aaron R. Zucker. *Publication 6289.8*

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- 130** **Impact of Decreasing Use of Postnatal Corticosteroids in ELBW Infants.** Peter H. Gray, Rakesh Seth, David I. Tudehope. (Sponsored by Hilary Whyte) *Publication 6290.1*
- 131** **Overexpression of Manganese Superoxide Dismutase (MnSOD) Protects Against Respiratory Syncytial Virus (RSV) Infection in Lung Epithelial Cells in Hyperoxia.** B.M. Choi, A. Joseph, E.M. Gurzenda, Y. Li, Y. Arita, R.M. Angert, L.R. Krilov, J.A. Kazzaz. *Publication 6290.2*
- 132\*** **Up-Regulation of COX-2 in Lipopolysaccharide (LPS)-Induced Prenatal Lung Inflammation Is Independent of the Parathyroid Hormone-Related Protein (PTHrP) Signaling Pathway.** Laura M. Cerny, Ying Wang, Reiko Sakurai, John S. Torday, Virender K. Rehan. *Publication 6290.3*
- 133** **Azithromycin Suppresses Activation of Nuclear Factor-kappaB and Production of Pro-Inflammatory Cytokines in Tracheal Aspirate Cells from Premature Infants.** Zubair H. Aghai, Aruna Kode, Riva Eydelam, Judy Saslow, Tarek Nakhla, Gary Stahl, Louise Starnde, Paola Leone, Irfan Rahman. *Publication 6290.4*
- 134\*** **Ureaplasma parvum (UP) Induced Chorioamnionitis and Bronchopulmonary Dysplasia (BPD) in a Mouse Model.** Erik Normann, Thierry Lacaze-Masmonteil, Janet A. Robertson, Beth Kirby, Farah Eaton, Bernard Thebaud. *Publication 6290.5*
- 135\*** **Betamethasone Effects on Perinatal Pulmonary Development in an Escherichia coli Experimental Model of Intra Uterine Infection in the Rabbit.** Nicolas Joram, Elise Launay, Jean-christophe Roze, Marie-Laure Franco-Montoya, Jacques Bourbon, Christele Gras-Le Guen. (Sponsored by Dominique Darmaun) *Publication 6290.6*
- 136\*** **Adenosine Receptors Modulate Cytokine Production by Cord Blood Monocytes (CBM).** Raul Chavez-Valdez, Marsha Wills-Karp, Elizabeth A. Cristofalo, Amy Nathan, Estelle B. Gauda. *Publication 6290.7*
- 137** **Exposure to Repeated Intra-Amniotic Endotoxin Causes Pulmonary and Systemic Endotoxin Tolerance in the Preterm Sheep Fetus.** S.G. Kallapur, B.W. Kramer, M. Ball, T.J.M. Moss, N.H. Hillman, J.P. Newnham, A.H. Jobe. *Publication 6290.8*

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- 138** **Downregulation of Pulmonary Nitric Oxide Synthase Activity with Non-Specific COX Inhibitors.** Houchang D. Modanlou, Jamal Hasan, Zahra Gharraee, Patricia Abad-Santos, Jacob V. Aranda, Kay D. Beharry. *Publication 6291.1*
- 139** **Allopurinol Prevents Chronic Hypoxia-Induced Pulmonary Vascular Remodeling in Neonatal Rats While Preserving Normal Growth and Lung Cellular Proliferation.** Robert P. Jankov, Crystal Kantores. *Publication 6291.2*
- 140\*** **Role of Stromal-Derived Factor in the Pathogenesis of Hypoxia-Induced Pulmonary Hypertension.** Karen C. Young, Jing-Hong Peng, Dorothy Hehre, Cleide Suguihara. *Publication 6291.3*
- 141** **Bronchiolar Remodeling and Smooth Muscle Phenotype in Early Hypoxic Pulmonary Hypertension.** Alex Gutsol, Shyamala Dakshinamurti. *Publication 6291.4*
- 142\*** **Platelet Activating Factor (PAF) Acts as a Mitogen in Pulmonary Vascular Remodeling Associated with Chronic High-Altitude Hypoxia (CHAH) in Ovine Fetal Lambs.** Christine E. Bixby, Basil O. Ibe, May Abdallah, Weilin Zhou, Alison Hislop, Lawrence Longo, Usha Raj. *Publication 6291.5*
- 143\*** **Modulation of Oxidant Stress in Fetal Pulmonary Artery Endothelial Cells (PAEC) by Atrial Natriuretic Peptide (ANP).** Nandini Arul, Annie L. Eis, Girija G. Konduri. *Publication 6291.6*

- 144\*** **Therapeutic Hypercapnia Protects Against Chronic Neonatal Lung Injury, and Prevents Vascular Remodeling, in the Neonatal Rat.** Azhar Masood, Robert P. Jankov, Man Yi, Rosetta Belcastro, Samuel Shek, Patrick J. McNamara, A. Keith Tanswell. *Publication 6291.7*
- 145** **Impairment of Voltage-Gated K<sup>+</sup> (Kv) Channel Responses in a Fetal Lamb Model of Persistent Pulmonary Hypertension of Newborn (PPHN).** Girija G. Konduri, Ivane Bakhtashvili, Annie L. Eis. *Publication 6291.8*
- 146** **HSP90/ENOS Interactions Contribute to Maturational and Chronic Hypoxia-Induced Changes in Pulmonary Vascular Reactivity in Newborn Piglets.** Candice D. Fike, Mark R. Kaplowitz, Yongmei Zhang, Heng Zeng, Judy L. Aschner. *Publication 6291.9*
- 147** **Parenteral Sildenafil Preferentially Vasodilates Non-Ventilated Lung Units in the Newborn Pig.** Rogerio Tessler, Shengping Wu, Christophe Macgowan, Jaques Belik. *Publication 6291.10*
- 148** **Human Meconium Has a Pulmonary Vascular and Airway Relaxant Effect That Is Greatest in the Newborn.** Rogerio Tessler, Jingyi Pan, Jaques Belik. *Publication 6291.11*
- 149\*** **Role of Angiopoietin-1 on the Susceptibility to Chronic Hypoxia-Induced Pulmonary Hypertension in Mice.** Rita Dadiz, Karen C. Young, Carlos Devia, Dorothy Hehre, Cleide Suguihara. *Publication 6291.12*
- 150** **Phosphodiesterase 5 Inhibitor as a New Treatment in Neonatal Pulmonary Hypertension: Three Case Studies.** Giacomo Cavallaro, Chiara Bottura, Emma Cerini, Paola Mussini, Gilberto Compagnoni. (Sponsored by Carlo Dani) *Publication 6291.13*
- 151\*** **Hypoxic Internalization of Pulmonary Arterial Thromboxane Receptor Is Agonist- and Clathrin-Dependent.** Pierre-Paul Lizotte, Martha Hinton, Shyamala Dakshinamurti. *Publication 6291.14*
- 152** **Effect of Intratracheal (IT) Catalase in Neonatal Lambs with PPHN.** Satyan Lakshminrusimha, James A. Russell, Fernando Soares, Sylvia F. Gugino, Karen A. Wynn, Robin H. Steinhorn. *Publication 6291.15*
- 153\*** **Function and Expression of Various Phosphodiesterases (PDEs) in Persistent Pulmonary Hypertension of the Newborn (PPHN).** Irene W.J.M. van der Horst, Beverly J. Morgan, Stephen L. Archer, Dick Tibboel, Bernard Thebaud. *Publication 6291.16*
- 154\*** **Hypoxic Sensitization of the Pulmonary Arterial Thromboxane Receptor Can Be Rescued by Prostacyclin Signaling.** K.T. Santhosh, Martha Hinton, Shyamala Dakshinamurti. *Publication 6291.17*
- 155** **Hypoxia Attenuates Lipopolysaccharide (LPS) Mediated Injury in Pulmonary Artery Endothelial Cells.** Venkatesh Sampath, Aaron C. Radish, Annie L. Eis, Girija G. Konduri. *Publication 6291.18*
- 156** **Rho-Kinase Inhibitor Attenuates the Hemodynamic Changes of Pulmonary Hypertension in Bleomycin-Exposed Neonatal Rats.** Patrick J. McNamara, Crystal Kantoors, Doreen Engelberts, Brian P. Kavanagh, Robert P. Jankov. *Publication 6291.19*
- 157\*** **Effect of Dopamine on Pulmonary and Systemic Pressures in Control and PPHN Neonatal Lambs.** Khaver I. Kirmani, Rita M. Ryan, Frederick C. Morin III, James A. Russell, Daniel D. Swartz, Sylvia F. Gugino, Karen A. Wynn, Vasanth H. Kumar, Satyan Lakshminrusimha. *Publication 6291.20*
- 158** **Increased FGF Receptor 1 Expression Is Associated with Increased Pulmonary Blood Flow.** Stephen M. Black, Jennifer M. DeVol, Jeffrey R. Fineman, Stephen Wedgwood. *Publication 6291.21*
- 159** **Src Family Tyrosine Kinases and Cytokine-Induced Arginase Expression in Pulmonary Microvascular Endothelial Cells.** Leif D. Nelin, Hongmei Cui, Louis G. Chicoine, B. Keith English, Yusen Liu. *Publication 6291.22*
- 160\*** **Angiotensin II-Induced Calcium Changes in Pulmonary Artery Endothelial Cells.** X.M. Li, X.M. Zhao, V. Gueorguiev, E. Sabban, K.M. Lerea, L.A. Parton, Susan C. Olson. *Publication 6291.23*
- 161** **Role of Phosphatidylinositol 3-Kinase (PI3K)/Akt Signaling in the Regulation of Vascular Responses in the Neonatal Piglet Pulmonary Circulation.** Judy L. Aschner, Heng Zeng, Yongmei Zhang, Mark R. Kaplowitz, Candice D. Fike. *Publication 6291.24*
- 162** **Soluble Guanylate Cyclase (sGC) Expression Is Increased by Mechanical Forces in the Neonatal Pulmonary Vasculature.** Kathryn N. Farrow, Beezly S. Groh, Satyan Lakshminrusimha, Lyubov Czech, Sylvia F. Gugino, James A. Russell, Robin H. Steinhorn. *Publication 6291.25*
- 163** **Developmental Differences in Pulmonary Nitric Oxide Production and Endogenous Nitric Oxide Synthase Inhibitors in the Neonatal Rat.** Louis G. Chicoine, Mark Girton, A.J. Cardoundel, Leif D. Nelin. *Publication 6291.26*
- 164\*** **Lipopolysaccharide Stimulates Fetal Mouse Lung Vasculogenesis.** J. Davin Miller, Naomi Abrams, Ambra Pozzi, David Frank, Mark P. deCaestecker, Lawrence S. Prince. (Sponsored by Namasivayam Ambalavanan) *Publication 6291.27*

## 6292 Surfactant Biology

- 165** **Intratracheal Instillation of Budesonide (B) by Using Surfactant (S) as Vehicle in VLBW Infants at High Risk for CLD - Pharmacokinetics and Bioavailability of Budesonide.** Tian S. Wu, Vish Agrawal, Hong C. Lin, Bai H. Su, S. Pyati, Tsu F. Yeh. *Publication 6292.1*
- 166\*** **The Presence of an Amino or Carboxy-Terminal FLAG-Tag Has No Effect on Biosynthesis, Oligomerization and Secretion of Surfactant Protein-A (SP-A).** Enrique H. Rios, James M. Stark, Gaye N. Jenkins, Joseph L. Alcorn. *Publication 6292.2*
- 167\*** **Measurement of In Vivo Metabolically Labeled Surfactant Protein-B (SP-B) in Tracheal Aspirate Using Stable Isotope Labeled Leucine.** Elizabeth Reed, Michael A. MacCoss, Kimberly L. Spence, Bruce W. Patterson, Aaron Hamvas. *Publication 6292.3*
- 168** **Cerebral Artery Blood Flow Increases after Beractant but Not Poractant Administration.** Alan M. Fujii, Jennifer Bailey, Kunal Sampat, Gheorghe Doros, Mark Mirochnick. *Publication 6292.4*

- 169 **Serum Concentrations of Surfactant Protein-D and Clara Cell Protein (CC10) as Respiratory Distress Biomarkers in Preterm Neonates.** Kosmas Sarafidis, Theodora Stathopoulou, Elisavet Diamanti, Aikaterini Balaska, Vassiliki Soubasi, Vassiliki Drossou-Agakidou. (Sponsored by Maria Delivoriotou-Papadopoulos) *Publication 6292.5*
- 170\* **Oxygenation Index as a Respiratory Severity Index in Hyaline Membrane Disease.** Ji Hyun Jeon, Ran Namgung, Dong Woo Lee, Min Soo Park, Koo In Park, Chul Lee. *Publication 6292.6*
- 171 **KL4-Surfactant (Aerosurf™) Retains Surface Activity after Aerosolization.** Mark E. Johnson, Leo Rodriguez, Robert Pearson, Maithili Rairkar. (Sponsored by T. Allen Merritt) *Publication 6292.7*
- 172 **Inhibited Chemokine Expression in Hyperoxic-Exposed SPC-dnlκB-α Premature Mouse Lung Explants.** Henry J. Rozycki, Dorne R. Yager, Jolene J. Windle. *Publication 6292.8*
- 173 **Synthetic Surfactant with Maxi-B Peptide Based on the N- and C-Terminal Domains of SP-B.** Brian T. Vovan, Jose M. Hernandez-Juviel, Larry M. Gordon, Alan J. Waring, Frans J. Walther. *Publication 6292.9*
- 174\* **Recombination within the Surfactant Protein C Gene (SFTPC).** Amy D. McBee, Daniel J. Wegner, Christopher S. Carlson, F.S. Cole, Aaron Hamvas. *Publication 6292.10*
- 175\* **Variation in the Surfactant Protein-C Gene (SFTPC) among Infants with Respiratory Distress Syndrome (RDS).** Jennifer A. Wambach, Daniel J. Wegner, F.S. Cole, Yumi Kasai, Hamvas Aaron. *Publication 6292.11*
- 176 **Haplotype Analysis of ATP-Binding Cassette Transporter A3 Gene: Association of a Haplotype and a Minor Allele with Susceptibility to Prolonged Respiratory Distress Syndrome in Preterm Infants.** Minna Karjalainen, Ritva Haataja, Riitta Marttila, Mikko Hallman. *Publication 6292.12*
- 177 **Partitioning of Surfactant Protein A (SP-A) and D (SP-D) Influences Phenotype of SP-A and SP-D Deficient Mice.** T.K. Shimotake, J. Madsen, L. Allen, S. Hawgood. *Publication 6292.13*

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- 180 **Pediatric Pneumococcal Meningitis in the Post-Vaccine Era: The Emergence of Serogroup 22.** Carrie L. Byington, Kent Korgenski, Judy A. Daly, Edward O. Mason. *Publication 6293.3*
- 181 **Incidence of IPD in TN after the Introduction of PCV.** Natasha B. Halasa, Thomas R. Talbot, Patrick G. Arbogast, William Schaffner, Allen S. Craig. *Publication 6293.4*
- 182\* **Incidence of Invasive Pneumococcal Disease in an Urban Cohort of HIV-Infected Children, 1989-2006.** Andrew P. Steenhoff, Allison Wahl, Richard M. Rutstein, Sarah A. Wood, Karin L. McGowan, Samir S. Shah. *Publication 6293.5*
- 183\* **Frequency of Occult Bacteremia in Febrile Children Ages 3-36 Months in the Pre- and Post-PCV7 Eras.** Erica Waddle, Ravi Jhaveri. *Publication 6293.6*
- 184 **Heptavalent Conjugate Vaccine Status of *Streptococcus pneumoniae* Isolates Recovered from Cerebrospinal Fluid and the Frequency of Serious Neurological Sequelae: A Pilot Study.** Bema K. Bonsu, Christiana R. Rajasingham, Jennifer I. Chapman, Daniel M. Cohen, William J. Barson. *Publication 6293.7*
- 185\* **Antibody Levels Against Conjugate Pneumococcal Vaccine (7VCPnc) at 12 Months Following Immunisation at 2, 3 and 4 Months of Age & Effect of a Booster Dose in Infants Who Only Partially Responded to the Primary Course.** Samantha Moss, Alan Fenton, Jenny Toomey, Angela Grainger, Julie Smith, Andrew Gennery. (Sponsored by Richard Cooke) *Publication 6293.8*
- 186\* **Pertussis Antibodies in Postpartum Women and Newborns.** J.H. Shakib, S. Ralston, H.H. Raissy, C.L. Byington. *Publication 6293.9*
- 187 **Occupational Exposures to Pertussis in a Children's Hospital over a 14-Year Period.** Sherman J. Alter. (Sponsored by Arthur Pickoff) *Publication 6293.10*
- 188 **Duration of PCR Positivity in Patients with *Bordetella pertussis* Infection.** Bryan Stone, Judy Daly, Flory Nkoy, Rajendu Srivastava. (Sponsored by Tamara Simon) *Publication 6293.11*
- 189 **Adverse Events after Tdap Vaccine in Healthcare Workers.** Thomas J. Sandora, Elizabeth Pfoh, Grace M. Lee. *Publication 6293.12*
- 190\* **Immune Responses to Mumps Vaccine in Adults Who Were Vaccinated in Childhood.** Rima Hanna Wakim, Linda Yasukawa, Philip Sung, Ann M. Arvin, Hayley A. Gans. *Publication 6293.13*
- 191\* **Safety and Efficacy of Measles-Mumps-Rubella Vaccine in Patients with DiGeorge/22q11 Microdeletion Syndrome.** Daifula AL-Zahrani, Eyal Grunebaum, Roifman M. Chaim. *Publication 6293.14*
- 192 **Effects of Adjuvants on the Immune Response to an H5N1 Influenza Vaccine in Adults.** David I. Bernstein, Kathryn M. Edwards, Cornelia L. Dekker, Robert Belshe. *Publication 6293.15*
- 193 **Post Marketing Evaluation of the Safety of Live Attenuated Influenza Vaccine (FluMist).** Roger Baxter, Laurie Aukes, John Hansen, Ned Lewis, Iksung Cho, Robert Walker. (Sponsored by Nicola Klein) *Publication 6293.16*

- 194\* **A Prospective Study of the Immune Response to Influenza Vaccine in Pediatric Liver Transplant Recipients.** Rebecca Pellett Madan, Maria Tan, Ana Sesma-Fernandez, Tom Moran, Sukru Emre, Andrew Campbell, Betsy C. Herold. *Publication 6293.17*
- 195 **Two Years Experience with Administration of Inactivated Trivalent Influenza Vaccine (TIV) to Parents of High-Risk Infants in the Neonatal Intensive Care Unit (NICU): Effect on Vaccination Rates.** Shetal I. Shah, Martha Caprio. (Sponsored by Janet Larson) *Publication 6293.18*
- 196 **Risk Factors for Primary-Series Immunization Delay of Very Low Birthweight (VLBW) Preterm Infants in the Neonatal Intensive Care Unit (NICU).** Shetal I. Shah, Adina Rothberger, Lauren Parnel, Rachel Karin. (Sponsored by Janet Larson) *Publication 6293.19*
- 197 **Safety and Effectiveness of Influenza Vaccine in Pregnant Women and Their Infants.** Flor Munoz, Melanie Mouzoon, Fran Smith, Anthony Greisinger, Oscar Whemanen, Nancy Petersen, Paul Glezen. *Publication 6293.20*
- 198 **A Pilot Study To Assess the Usefulness of Hospital Discharge and Laboratory Data To Monitor the Effectiveness of a Rotavirus Immunization Program.** Manish M. Patel, Rangaraj Selvarangan, Aaron Curns, Mary Anne Jackson, Roger I. Glass, Umesh D. Parashar. (Sponsored by Jane Seward)*Publication 6293.21*
- 199\* **A Spatial Analysis of Late Vaccine Initiators: Working towards Improved Vaccine Coverage.** Kristen Feemster, C. Victor Spain, Andrew Chilkatowsky, Michael Eberhart, Mindy Perilla, Barbara Watson, Susmita Pati. *Publication 6293.22*
- 200\* **The Effect of Media Coverage of MMR and Autism on MMR Immunization in the United States.** Michael Smith, David Rubin, Susan Ellenberg, Louis Bell. *Publication 6293.23*
- 201 **Current Capabilities and Limitations of Surveillance for Vaccine Preventable Diseases: A National Survey of State Health Departments.** Andrew M. Fine, Don Goldmann, Andrea Martinez, Kenneth Mandl. *Publication 6293.24*
- 202 **Widely Publicized Misinformation about Vaccine Safety Causes Searches for Information.** Martin G. Myers, Diego Pineda. *Publication 6293.25*
- 203 **Economic and Social Benefits of a School-Based Influenza Immunization Program.** Su Li, Jordana K. Schmier, James King, Parthiv J. Mahadevia. *Publication 6293.26*

## 6294 HIV

- 204 **STI Diagnosis in Child Sexual Assault.** Rebecca G. Girardet, Nancy N. Fajman, Margaret R. Hammerschlag, Robert L. Sautter, Elizabeth R. Unger, Consuelo M. Beck-Sague, Carolyn M. Black. (Sponsored by Virginia Moyer) *Publication 6294.1*
- 205 **HIV Post-Exposure Prophylaxis in Sexually Abused Children.** Rebecca G. Girardet, Scott Lemme, Tiffany A. Biason, Kelly Bolton, Sheela Lahoti. (Sponsored by Virginia Moyer)*Publication 6294.2*
- 206\* **Secondary Prevention for HIV-Positive Adolescents: Impacts on Biomedical and Psychosocial Functioning.** D. Colette Nicolaou, Theresa Parrino, Lamia P. Barakat, Roberta Laguerre, Michael Everett, Louis Ortiz, Elizabeth Richey, Jill Foster. *Publication 6294.3*
- 207 **Clinical Relevance of Replication Capacity (RC) in Long Term Survivors of Perinatal HIV Infection.** Ninad Desai, Nisha Mehta, John Godfrey. *Publication 6294.4*
- 208 **Screening for Thyroid Abnormalities in Children with Perinatally Acquired HIV Infection.** Shelleye Bailey, Ninad Desai, John Godfrey, Jose B. Quintos. *Publication 6294.5*
- 208A\* **Efficacy of Highly Active Antiretroviral Therapy in HIV-1 Infected Children in Kenya.** Rinn Song, Hajara El-Buseidy, Sitna Ali Mwanzi, Marietta Mwalimu, Kishorchandra Mandaliya, Khadija Shikely, Shaffiq Essajee. *Publication 6294.5A*
- 209 **A Safety and Activity Trial of Chloroquine and Its Metabolites on HIV Infected, Ugandan Infants.** Karen Olness, Danstan Bagenda, Jasper Ogwal, Carolyn Myers, Medi Kawuma, Annette Nassali, Victoria Nakimbugwe, Israel Kalyesubula. *Publication 6294.6*
- 210 **Cord Blood Lipids in Infants Exposed to Protease Inhibitor (PI) Therapy *In Utero* Versus Those Not Exposed to PIs.** Ann Melvin, Minhee Kang, Jane Hitti, Elizabeth Livingston, Susan Cohn, Vicki Stocker, Allison Ross, Heather Watts, Grace McComsey. *Publication 6294.7*
- 211\* **Triple Antiretroviral Therapy during Pregnancy: Safety in Children.** Sophie Alloul, Ana Carceller, Marie-France Goyer, Ema Ferreira, Marc Boucher, Normand Lapointe. (Sponsored by Anne Monique Nuyt) *Publication 6294.8*
- 212\* **Hospital-Based Directly Observed Therapy for Human Immunodeficiency Virus-Infected Children and Adolescents To Assess Adherence to Antiretroviral Medications.** D. Glikman, L. Walsh, J. Valkenburg, P.D. Mangat, J.F. Marcinak. *Publication 6294.9*
- 213 **Low Specificity of Ultra-Sensitive HIV bDNA Viral Load Assay in Diagnosis of Perinatal HIV Infection.** Janak A. Patel, Erika Anderson, Debbie Konopik, Antonella Casola, Jianli Dong. *Publication 6294.10*
- 214\* **Effects of Methamphetamine on HIV Replication and Disease Progression.** Sima S. Toussi, Laura Santambrogio, Harris Goldstein. *Publication 6294.11*
- 215\* **Community-Acquired Pneumonia in a Multicenter Cohort of HIV-Infected Children in the HAART and Pneumococcal Vaccine Eras.** A.P. Steenhoff, J. Josephs, R.M. Rutstein, K.A. Gebo, A.H. Gaur, R. Warford, S.A. Spector, S.S. Shah. *Publication 6294.12*

- 216 **Pediatric HIV Care and Treatment: Scale up Strategies in 7 District Hospitals in Eastern Province, Kenya.** Judith Kose Otieno, John Ongech, Teresia Mwikali, Peter Savosnick. (Sponsored by Yvonne E. Vaucher) *Publication 6294.13*
- 217\* **PACTG 1055: Pain Prevalence in a Large Cohort of HIV+ and Demographically Similar HIV-Children.** Lynnae Schwartz, Leslie Serchuck, Paige Williams, Janice Hodge, Sharon Nachman. *Publication 6294.14*
- 218\* **Shedding and Reversion of OPV3 in Infants of HIV Positive Mothers in Zimbabwe.** Devasena Gnanashanmugam, Lynda Stranix-Chibanda, Isidore- Evans Pazvakavambwa, Kusum Nathoo, Godfrey Woelk, Avinash Shetty, Yvonne Maldonado. *Publication 6294.15*
- 219 **Dietary Changes from the Pre- to Post-HAART Eras in HIV-Infected Children.** Tanvi Sharma, Daniel Kinnamon, Christopher Duggan, Geoffrey Weinberg, Tracie Miller. *Publication 6294.16*
- 220\* **Change in Varicella and Herpes Zoster Incidence among HIV-Infected Children from 1989-2006.** Sarah M. Wood, Andrew P. Steenhoff, Samir S. Shah, Richard M. Rutstein. *Publication 6294.17*

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- 222\* **Production and Application of Recombinant Human Bocavirus Virus-Like Particles.** Deniz Kesebir, Susan Cotmore, Peter Tattersall, Anthony D'Abramo, Jr, Carla Weibel, Jeffrey S. Kahn. *Publication 6295.2*
- 223\* **A Variant Genotype of Human Parainfluenza 4 (hPIV4) Virus among Pediatric Patients in New Haven, CT.** Zofia Piotrowska, Marietta Vazquez, Carla Weibel, Eugene D. Shapiro, Jeffrey S. Kahn. *Publication 6295.3*
- 224 **Enhanced Detection of Viruses in Pediatric Patients with Respiratory Failure Using Molecular Technology.** Nikoleta S. Kolovos, Richard S. Buller, Max Q. Ahrens, Eugene Agapov, Monique Gadreault-Keener, Gregory A. Storch. *Publication 6295.4*
- 225 **RSV Load, Friend or Foe?** Berkeley L. Bennett, Roberto P. Garofalo, Stanley G. Cron, Pedro A. Piedra. *Publication 6295.5*
- 226\* **Intravenous Dexamethasone (IV-Dexa) Does Not Effectively Modulate the Cytokine and Chemokine Responses in Tracheal Aspirates (TA) of Children with Severe Respiratory Syncytial Virus (RSV) Disease.** C. Somers, S. Buckingham, N. Ahmad, K. Katz, N. Leos, A. Gomez, A. Mejias, J. DeVincenzo, O. Ramilo, H. Jafri. *Publication 6295.6*
- 227 **Early Clinical Evaluation of an RNA Interference (RNAi) Based Therapy for Respiratory Syncytial Virus (RSV) Infection.** J.P. DeVincenzo, J. Cehelsky, K. Foote, S. Nochur, A. Vaishnav, R. Meyers. *Publication 6295.7*
- 228 **Controlling Respiratory Syncytial Virus (RSV) Currently Infecting the High Risk Infants: A Comparative Study.** Mohamed S. EL-Sayed, Tarek M. Kotb, Maha M. Farahat, Sami A. Eleawa. *Publication 6295.8*
- 229 **The Magnitude of Induction of the Inflammatory Cytokine IL-6 by Clinical Isolates of RSV Is Strain Specific.** Isaac Lazar, Neha Kanungo, Carla Weibel, Jeffrey S. Kahn. *Publication 6295.9*
- 230\* **A Comparison of Reverse Transcriptase Real-Time PCR, the 5-Pad Capture-Down Detection Assay, and Viral Culture in the Detection of Influenza A/B and Respiratory Syncytial Virus.** Robyn A. Livingston, Charles R. Woods, George E. Buck, Kristina K. Bryant. *Publication 6295.10*
- 231\* **Targeted Therapy for Respiratory Syncytial Virus by Morpholino Oligomers.** Shen-Hao Lai, David A. Stein, Sui-Ling Liao, Antonieta Guerrero-Plata, Chao Hong, Roberto P. Garofalo. *Publication 6295.11*
- 232 **ALN-RSV01, an RNAi Therapeutic for the Treatment of Respiratory Syncytial Virus (RSV) Infection.** R.E. Meyers, R. Alvarez, R. Tripp, P. Hadwiger, R. Constien, S. Elbashir, M. John, T. Borland, I. Toudjarska, J.P. DeVincenzo. *Publication 6295.12*
- 233 **Association between Infection with Human Metapneumovirus (hMPV) and Wheezing in Children.** Marietta Vazquez, Nancy Holabird, Carla Weibel, Eugene Shapiro, Jeffrey Kahn. *Publication 6295.13*
- 234 **Blood Microarray Analysis in Children with Influenza A Virus (Flu) Infection over Different Seasons Demonstrated Significant Differences in Gene Expression Profiles That Correlate with Disease Severity.** A. Mejias, M. Ardura, C. Glaser, D. Estripeaut, M. de Salas, E. Torres, J. Banchereau, D. Chaussabel, O. Ramilo. *Publication 6295.14*
- 235\* **Influenza Burden in Children with Asthma.** E.K. Miller, M.R. Griffin, K.M. Edwards, G.A. Weinberg, P.G. Szilagyi, M.A. Staat, M.K. Iwane, C.B. Bridges, Y. Zhu, G. Fairbrother, D. Erdman, C.B. Hall, R. Seither, K.A. Poehling. *Publication 6295.15*
- 236 **Influence of Viruses, Host Genetics and Environment on Nasopharyngeal Cytokines during URI.** Janak A. Patel, Sangeeta Nair, Krystal Revai, Jamie Grady, Tasnee Chonmaitree. *Publication 6295.16*
- 237 **MIP-1alpha (CCL3)-Induced Pulmonary Inflammation and Cachexia Are Augmented by Concurrent Administration of Gamma Interferon.** Cynthia A. Bonville, Helene F. Rosenberg, Joseph B. Domachowske. *Publication 6295.17*

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- 239 **HHV-6 and HHV-7 Infections in Pregnant Women and Their Newborns.** Mary T. Caserta, Caroline B. Hall, Geraldine Lofthus, Kenneth Schnabel, Michael P. McDermott. *Publication 6296.2*
- 240 **Office-Based Research: What Is the Incidence of Mumps Related Hearing Loss?** Hiromi Hashimoto, Masashi Fujioka, Hiroshi Kinumaki. (Sponsored by Takuji Kumagai)*Publication 6296.3*
- 241 **Measles and Hawaiian Royalty in London.** Stanford T. Shulman. *Publication 6296.4*
- 242\* **CMV Infections among African-Americans.** Isca R. Wilms, Al M. Best, Stuart P. Adler. *Publication 6296.5*
- 243 **CMV Activity after Heart Transplantation Is Associated with Development of Coronary Artery Graft Vasculopathy.** Nancy Halnon, Jeremy Moore, Paul Krogstad, Juan Alejos, Natascha Ching. *Publication 6296.6*
- 244 **Immediate Role for CMV-Exposed Monocytes in Toll-Like Receptor Regulation and Cytokine Expression.** Hooi Yew, Christopher Harrison. *Publication 6296.7*
- 245 **BK Virus Excretion in the Stool of Healthy Infants.** John A. Vanchiere, Berenice B. Carrillo, Ardythe L. Morrow, Xi Jiang, Guillermo M. Ruiz-Palacios, Janet S. Butel. *Publication 6296.8*
- 246 **Variation in Antibody Against Noroviruses in the Milk of Secretor and Non-Secretor Mothers.** Xiujing Sun, Pengwei Huang, Jareen Meinzen-Derr, Guillermo M. Ruiz-Palacios, Xi Jiang, Ardythe L. Morrow. *Publication 6296.9*
- 247 **Decreased Length of Stay for Infants Hospitalized with Enterovirus Meningitis (EVM) at Children's Hospitals.** Scott A. Lorch, Andrea Millman, Samir Shah. *Publication 6296.10*
- 248\* **Hepatitis B Surface Antigen Status of Pregnant Women in North Louisiana.** Versallie Capote, Madiha Jamil, Gore Steven, Caldito Gloria, Lewis David, Bocchini Joseph. *Publication 6296.11*
- 248A\* **Factors Influencing the Decision To Test Young Infants for Herpes Simplex Virus Infection.** Daniela M. Cohen, Rebecca L. King, Richard L. Hodinka, Scott A. Lorch, Keri A. Cohn, Reshama K. Saralkar, Samir S. Shah. *Publication 6296.11A*

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- 249 **Human Serum Facilitates Hepatitis C Virus Infection at the Maternal-Infant Transmission.** Kazushi Tamura, Nobuyuki Kato, Hiroo Hoshino, Akihiro Morikawa. (Sponsored by David Stevenson) *Publication 6296.12*

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- 251\* **Predictors of Bacteremia in Children with Fever and Neutropenia.** Sarah Wingerter, Andrew Koh, Catherine S. Lachenauer, Richard Malley. *Publication 6297.2*
- 252 **A Retrospective Study of the Adverse Event Profile of Trimethoprim-Sulfamethoxazole during the First 30 Days Following Pediatric Liver Transplantation.** Roberto Posada, Ann Ellis, Sachin Kulkarni, Betsy C. Herold, Benjamin Shneider, Sukru Emre. *Publication 6297.3*

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- 254 **Endothelial Superoxide Production Is Decreased in Sheep Programmed by Early Gestation Dexamethasone Exposure.** Robert D. Roghair, Fred S. Lamb, Francis J. Miller, Jr, Jeffrey L. Segar. *Publication 6298.2*
- 255 **Newborn Sheep Programmed by Early Gestation Dexamethasone Have Increased Coronary Reactivity Due to Impaired Endothelial-Derived Hyperpolarizing Factor Production.** Robert D. Roghair, Jeffrey L. Segar, Thomas D. Scholz, Fred S. Lamb. *Publication 6298.3*
- 256 **Early Gestation Dexamethasone Exposure Programs Mesenteric Artery Serotonin Responsiveness.** Robert D. Roghair, Jeffrey L. Segar, Thomas D. Scholz, Fred S. Lamb. *Publication 6298.4*
- 257\* **Blood Nitrite Concentrations in Response to Acute Hypoxia in the Fetal Sheep.** Laura S. Kirby, Takuji Tomimatsu, Jorge P. Pena, Gordon G. Power, Lawrence D. Longo, Arlin B. Blood. (Sponsored by Richard Chinnock) *Publication 6298.5*
- 258\* **Lipopolysaccharide-Induced Neuregulin-1 Expression Is Modified by Gestational Age and Genetic Background in Endothelial Cells.** Insa Hoffmann, Marjan Brinkhaus, Andrea Liese, Thilo Doerk, Olaf Dammann, Christiane Dammann. *Publication 6298.6*
- 259 **Retinoic Acid Regulation of Migration Signaling Pathways during Early Vascular Remodeling.** Josephine M. Enciso, Christine M. Konecny, Karen K. Hirschi. *Publication 6298.7*
- 260 **VEGF Attenuates Hyperoxic Injury through Decreased Apoptosis in Explanted Embryonic Rat Lung.** Americo Esquibies, Alia Bazy-Asaad, Farshid Ghassemi, Hitoshi Nishio, Anil Karihaloo, Lloyd Cantley. *Publication 6298.8*

- 261 **In the Pulmonary Vasculature Hypoxia Inducible Factor 1 and Prolyl-Hydroxylases Are Developmentally Regulated.** Ernesto R. Resnik, Jean M. Herron, David N. Cornfield. *Publication 6298.9*
- 262\* **Growth Factors in the Retina and Lens during Normal Vascularization of the Rat Retina.** Romy S. Brock, Kay D. Beharry, Rebecca J. Coleman, Houchang D. Modanlou. *Publication 6298.10*
- 263 **Succinate and  $\alpha$ -Ketoglutarate: Sensors of Hypoxia and Novel Mediators of Retinal Angiogenesis.** Mirna Sirinyan, Florian Sennlaub, Przemyslaw Sapieha, Grant Mitchell, Orval Mamer, Pierre Hardy, Sylvain Chemtob. *Publication 6298.11*
- 264 **Effects of the Rho Kinase Inhibitor Hydroxyfasudil in the Reactivity of Chicken Embryo Femoral Arteries.** Carlos E. Blanco, Bea Zoer, Eduardo Villamor. *Publication 6298.12*
- 265\* **Ductus Arteriosus Response to Oxygen and Other Vasoconstrictors Is Greater in Female Than in Male Chicken Embryos.** Pia Agren, Saskia van der Sterren, Rob Moonen, Carlos E. Blanco, Eduardo Villamor. *Publication 6298.13*
- 266 **Hydrogen Peroxide Mimics the Responses to Oxygen in Chicken Ductus Arteriosus.** Angel Cogolludo, Agren Pia, Frazziano Giovanna, Saskia van der Sterren, Carlos E. Blanco, Laura Cobeno, Francisco Perez-Vizcaino, Eduardo Villamor. *Publication 6298.14*
- 267 **A tet-off Conditional Transgenic Model for Cardiac-Specific Overexpression of PI3K $\alpha$ .** Yi-Tang Tseng, Naohiro Yano, Ting C. Zhao, Andy Tseng, James F. Padbury. *Publication 6298.15*

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- 268 **Effects of EGFR Ligands on Fetal Type II Epithelial Cell Differentiation.** Yulian Wang, Benjamin S. Maciejewski, Juan Sanchez-Esteban. *Publication 6299.1*
- 269\* **An In Vivo Model of Epithelial-Specific, Inducible Disruption of GR Signaling in the Lung.** Neetu Manwani, Stephane Gagnon, Louis Muglia, Feige Kaplan, Neil B. Swezey. *Publication 6299.2*
- 270 **Neonatal Corticosteroids during Saccular Stage of Lung Development Suppress Tenascin-C, Smooth Muscle Actin and Elastin Expression and Delay Alveolarization.** Matthias Roth-Kleiner, Thomas M. Berger, Stefan Tschanz, Sonja I. Mund, Marco Stamparoni, Johannes C. Schittny. (Sponsored by Hans Ulrich Bucher) *Publication 6299.3*
- 271\* **ErbB4 Regulation in Fetal and Adult Rat Alveolar Type II Cells.** Washa Liu, Katja Zscheppang, MaryAnn V. Volpe, Heber C. Nielsen, Christiane E.L. Dammann. *Publication 6299.4*
- 272 **In Utero Androgen Exposure Affects Hoxb-5 Protein Levels and Spatial Localization in Developing Murine Lung.** MaryAnn V. Volpe, Karen T. Wang, Lucia D. Pham, Heber C. Nielsen, Sujatha M. Ramadurai. *Publication 6299.5*
- 273\* **Screening for Genes in the Developing Diaphragm: Significance for Congenital Diaphragmatic Hernia.** Robin D. Clugston, Wei Zhang, John J. Greer. *Publication 6299.6*
- 274\* **Maturation of Lung Surfactant Is Not Delayed in Human Fetuses with Congenital Diaphragmatic Hernia (CDH).** Olivier Boucherat, Alexandra Benachi, Bernadette Chailley-Heu, Marie-Laure Franco-Montoya, Jelena Martinovic, Jacques R. Bourbon. (Sponsored by Guy Moriette) *Publication 6299.7*

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- 276 **Preeclampsia: A Maternal or Feto-Placental Disease?** Kamran Yusuf, Olivia Brusselers, Colleen Geary-Joo, James C. Cross. *Publication 6300.2*
- 277 **Regulation of the Feto-Placental Circulation by the NO-cGMP Pathway.** Philippe Deruelle, Ceneric Alexandre, Estelle Aubry, Ethel Sabbah, Eleonore Delarue, Veronique Houfflin, Jacques Weill, Laurent Storme. *Publication 6300.3*

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- 278\* **Zebrafish *dax1* May Have Novel Functions outside the HPA Axis.** Jamie Powers, Yan Zhao, Edward R.B. McCabe. *Publication 6301.1*
- 279\* **Stress and Epo Protect Neonatal Rats from Hypoxic-Ischemic Brain Injury.** Marcella Mascher-Denen, Ron McPherson, Sandra Juul. *Publication 6301.2*
- 280 **Perinatal Regulation of Bilirubin and Serotonin Glucuronidation.** Casper S. Caspersen, Charles X. Chang, Kirsten Abildskov, Salha S. Daniel, George Kiu, Raymond I. Stark, Marianne Garland. *Publication 6301.3*
- 281 **Deletion of the Cardiac L-Type Calcium Channel (CaV1.2) Causes Embryonic Death.** George A. Porter, Ashwani Sharma. *Publication 6301.4*
- 282 **Phosphorylation of p66Shc by TGF- $\beta$  Type I Receptors Preempts Its Subsequent Phosphorylation by EGF Receptors, and *Vice Versa*.** Susan M. Smith, Matt K. Lee. (Sponsored by Parviz Mino) *Publication 6301.5*
- 283\* **Thyroid-Specific Deletion of *Pten* Disrupts Thyroid Development.** Caterina Tiozzo, Mingke Yu, Yiming Xing, Min Li, Tomoyo Sasaki, Changgong Li, Steward Anderson, Parviz Mino. *Publication 6301.6*
- 284\* **Nkx Factors Specifically Regulate Expression of Hedgehog Receptor Isoforms in Early Embryonic Development.** Monique N. Stanfel, John T. Bukowski, Robert J. Schwartz, Warren E. Zimmer, Heidi E. Karpen. *Publication 6301.7*

- 285 **Ureteric Bud Specific Inactivation of Ephrin-B2 Results in Cystic Tubular Nephropathy.** Tanzeema Hossain, Jordan Kreidberg.  
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- 286\* **Altered Hepatic IGF-1 mRNA and Chromatin Structure in Obese IUGR Offspring.** Darran N. Tosh, Robert H. Lane, Christopher W. Callaway, Robert A. McKnight, Isabella C. McMillen, Michael G. Ross, Mina Desai. (Sponsored by John S. Torday)  
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- 287 **Adipogenic Mediated Mechanisms Contributes to Postnatal Catch-Up Growth and Programmed Obesity.** Mina Desai, Robert H. Lane, Guang Han, Michael G. Ross. (Sponsored by John S. Torday) *Publication 6302.2*
- 288 **Postnatal Catch-Up Growth and Programmed Upregulation of Adipogenic Transcription Factors: Effect of PPAR $\gamma$  Modulators.** Mina Desai, Robert H. Lane, Guang Han, Michael G. Ross. (Sponsored by John S. Torday) *Publication 6302.3*
- 289 **Transcriptional Regulation of Enhanced Adipogenesis in Programmed Obesity.** Mina Desai, Robert H. Lane, Guang Han, Michael G. Ross. (Sponsored by John S. Torday)*Publication 6302.4*
- 290\* **IUGR Affects Postnatal RNA Levels of Proteins Involved in Retinoic Acid Signaling and Metabolism.** B. Burshears, M. Hale, C. Callaway, R. McKnight, R. Lane. *Publication 6302.5*
- 291\* **p53 Signals the Epigenetic Changes That Characterize the IUGR Brain.** X. Ke, C.W. Callaway, X. Yu, P. Men, R.A. McKnight, R.H. Lane. *Publication 6302.6*
- 292\* **Preterm Birth and Fetal Growth Restriction Are Related to Altered Elastic and Collagenic Structures in Human Umbilical Arteries.** Laurent Tauzin, Francesco Risso, Corinne Chareyre, Edouard Lamy, Philippe Charpiot, Umberto Simeoni.  
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- 293 **Prenatal Sound Stimulation on Neurotransmitters, Metabolites, Aminoacids in Auditory Nuclei of Chick Embryo (CE).** Ramesh K. Agarwal, Uma Sharma, Sanjay Juyal, N.R. Jagannathan, Shashi Wadhwa, Sraboni Chawdhury. (Sponsored by Vinod K. Bhutani)  
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- 294\* **The Effect of Prenatal Exposure to Nicotine, Dexamethasone and Maternal Caloric Restriction on Postnatal Gliogenic Activity in the Rat Brain.** Emily J. Camm, Delphine M. Vauthay, Michel L. Aubert, Petra S. Huppi, Stephane V. Sizonenko.  
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- 295 **IUGR Alters COX2 Expression through Steroid Signaling and Affects 11- $\beta$ -Hydroxysteroid Dehydrogenase Type 2 (11HSD2) Chromatin Structure in the Rat Kidney.** M. Baserga, M. Hale, X. Yu, Q. Fu, C. Callaway, R. McKnight, R. Lane. (Sponsored by Robert Lane)  
*Publication 6302.10*
- 296 **Effect of Hypoxia on Phosphorylation of cAMP Response Element-Binding (CREB) Protein in the Neuronal Nuclei of the Guinea Pig Fetus during Gestation.** Qazi M. Ashraf, Dev Maulik, Anli Zhu, Om P. Mishra, Maria Delivoria-Papadopoulos.  
*Publication 6302.11*
- 297 **Cerebral Metabolites from MRS Relate to Clinical Parameters in Adolescents with Low Birth Weight.** Jon S. Skranes, Tone F. Bathen, Gro Loehaugen, David E. Axelson, Ann-Mari Brubakk. *Publication 6302.12*
- 298 **Mice with Naturally-Occurring Perinatal Growth Restriction Have Sex- and Strain-Specific Cardiovascular and Endocrine Programming.** Robert D. Roghair. (Sponsored by Jeffrey L. Segar) *Publication 6302.13*

## Endocrinology (PAS/LWPES)

### 6303 Diabetes Mellitus & Metabolism Clinical

- 299 **Role of Adipokines and Inflammation in the Development of Type 2 Diabetes in Adolescents.** Milagros Huerta, Arthur Weltman, Cory Jaques, Pamela Mendosa, Shannon Street, Hilla-Lee Viener, Gina Francois, Clive Wasserfall, Mark Atkinson, Janet Silverstein, Jerry Nadler. *Publication 6303.1*
- 300 **6-Month Study on the Safety and Efficacy of an Oral Insulin (Generex Oral-lyn™) Administered at Lunchtime in Juvenile Type-1 DM Subjects Maintained on Basal Glargine Insulin and Pre-Breakfast and Pre-Dinner Regular Insulin.** Jaime Guevara-Aguirre, Marco Guevara-Aguirre, Jeannette Saavedra, Gerald Bernstein. *Publication 6303.2*
- 301 **A Comparison of Metabolic Control of Pre-Prandial S.C. Regular Insulin Versus Prandial Split Doses of an Oral Insulin (Generex Oral-lyn™) in Well-Controlled Type-1 Diabetes Mellitus Subjects Maintained in Basal S.C. Twice Daily Isophane Insulin (NPH).** Jaime Guevara-Aguirre, Marco Guevara-Aguirre, Jeannette Saavedra. *Publication 6303.3*
- 302\* **The Effect of Cinnamon on HbA1c among Adolescents with Type 1 Diabetes.** Justin A. Altschuler, Samuel J. Casella, Todd A. MacKenzie, Kevin M. Curtis. *Publication 6303.4*
- 303 **Insulin Therapy and Outcomes in Youth: The Search for Diabetes in Youth Study.** Carolyn Paris, Giuseppina Imperatore, Andrea Ruggiero, Debra Standiford, Beatriz Rodriguez, I. David Schwartz, Georgeanna Klingensmith, Catherine Pihoker.  
*Publication 6303.5*
- 304 **Diabetic Ketoacidosis at Diagnosis Predicts Poorer Glycemic Control in the Initial Course of Type 1 Diabetes.** Arleta Rewers, Alex Brown, Marian Rewers. *Publication 6303.6*
- 305\* **Testing the Accelerator Hypothesis in a Multi-Ethnic Cohort of Children with Type 1 Diabetes.** Alexandra Lee G. Aguilar, San Sei, Marta Santos, Janna Flint, Elizabeth Suarez, Francesco De Luca. *Publication 6303.7*

- 306\* **Hemoglobin Raleigh Causes Falsely Decreased Hemoglobin A1c.** Nina Jain, Mehmet Kesimer, James D. Hoyer, Ali S. Calikoglu. *Publication 6303.9*
- 307\* **Effect of Obesity on Glycemic Control in a Population of Pediatric Patients with Type 1 Diabetes.** Eda Cengiz, Philip Gruppuso. *Publication 6303.10*
- 308 **Comparison of Three Distinct Insulin Regimens in One Clinic Population between 2001 and 2005.** Brian Miyazaki, Mark Daniels. *Publication 6303.11*

### 6304 Obesity & Metabolism Syndrome

- 309\* **Relation of Estrogen Levels and Endothelial Function as Measured by Peripheral Arterial Tonometry (PAT) Score 7th Grade Boys.** Amrit Bhangoo, Sunil Sinha, Radhika Purushothaman, Viral Gala, Margarita Smotkin-Tangora, Neesha Ramchandani, Joyce Munga, Irina Kazachkova, Steven Shelov, Svetlana Ten. *Publication 6304.1*
- 310\* **Narcolepsy with Cataplexy, Obesity and Early Puberty in a Child.** Remberto C. Paulo, Michael H. Silber, Aida N. Lteif. *Publication 6304.2*
- 311\* **DHEAS Is Important Marker of Endothelial Function as Measured by Peripheral Arterial Tonometry (PAT) in Children.** Sunil K. Sinha, Amrit Bhangoo, Radika Purushothaman, Viral Gala, Margaret Smotkin-Tangorra, Neesha Ramchandani, Kate Pavlovich, Deborah DeSantis, Lisa Altshuler, Steven Shelov, Michael Rosenbaum, Svetlana Ten. *Publication 6304.3*
- 312\* **Obesity and Adiposity Related Co-Morbidities in 7th Grade Urban Children.** Sunil K. Sinha, Amrit Bhangoo, Viral Gala, Margarita Smotkin-Tangorra, Irina Kazachkova, Jessica Hileman, Neesha Ramchandani, Kate Pavlovich, Joyce Munga, Deborah DeSantis, Debbie Perez, Steven Shelov, Michael Rosenbaum, Lisa Altshuler, Svetlana Ten. *Publication 6304.4*
- 313\* **High School Athletes with Elevated BMI Have Increased Body Fat, Heart Rate and Blood Pressure.** Nicola Choate, Jon Almquist, Cara Olsen, Merrily Poth. *Publication 6304.5*
- 314\* **Two Cases of Obesity Since Early Childhood Leading to Physician Bias in Determining Correct Diagnosis.** Olivia Bolles, Bert Bachrach. *Publication 6304.6*
- 315\* **A Systematic Review of Statins for Heterozygous Familial Hypercholesterolemia in Children and Adolescents.** Clodagh S. O’Gorman, Taraneh Dean, Michael B. O’Neill. (Sponsored by Jill Hamilton) *Publication 6304.7*
- 316 **(Moved to Poster Session III, Monday, Poster 261A) Association of Subclinical Hypothyroidism with Insulin Resistance Markers in Overweight Children and Adolescents.** William N. Evans, Gary A. Mayman, Ruben J. Acherman, Carlos F. Luna, Abraham Rothman, Annisa Gustafson, Daniella Ferrari, Susan L. Meacham, Humberto Restrepo. *Publication 6304.8*
- 317 **Healthy Kids Program: The Impact of Lifestyle Intervention and Family Involvement on Childhood Obesity.** Siham D. Accacha, Jean Corrigan, Michele Lamerson, Colleen Cornell Farley, Mariano Castro-Magana. *Publication 6304.9*
- 318\* **Arterial Elasticity and Physical Activity in Normal Weight and Overweight Pubertal Children.** Laura J. Chalmers, Casey Hester, David A. Fields, Kenneth C. Copeland, Andrew W. Gardner. *Publication 6304.10*
- 319\* **Lack of Correlation between Degree of Obesity and Impaired Glucose Tolerance in Obese African-American and Hispanic Children.** Janna K. Flint, Maureen Dever, Elizabeth Suarez, Francesco De Luca. *Publication 6304.11*
- 320\* **The Frequency of Elevated Aminotransferase in Obese Minority Youth.** Mala Puri, Mireya Garcia, Hadassa Nussbaum, Joan DiMartino-Nardi. *Publication 6304.12*
- 321 **Which Patients Do Not Remain Connected with a Pediatric Weight Reduction Program?** Erinn T. Rhodes, Stavroula K. Osganian, Diego Botero, David S. Ludwig. *Publication 6304.13*
- 322 **Vitamin D Deficiency in Obese vs. Non-Obese African American Children: Response to 400 IU Vitamin D3 Supplementation.** Kumaravel Rajakumar, John D. Fernstrom, Michael F. Holick, Janine E. Janosky, Susan L. Greenspan. *Publication 6304.14*

APS/SPR Student Research Program Awardee  
Jennifer Hughes

- 323\* **Proinsulin (PI) Levels in Prepubertal Children with Obesity and Premature Adrenarche (PA).** A. Jean, A. Hassoun, C. Pomeranz, J. Hughes, D. Winston, I. Fennoy, L. Antler, D.J. McMahon, S.E. Oberfield. *Publication 6304.15*

### 6305 Growths

- 324 **Perinatal Growth Restriction Prevents the Development of Diet Induced Metabolic Syndrome in Mice.** Robert D. Roghair. (Sponsored by Jeffrey L. Segar) *Publication 6305.1*
- 325 **A Database Tool To Assist in Management of Growth Hormone Patients.** Joel Steelman. *Publication 6305.2*
- 326 **The Obesity of Untreated or IGF-I Treated Patients with Laron Syndrome Is Not Due to Overeating.** Zvi Laron, Shira Ginsberg. *Publication 6305.3*
- 327\* **Effect of Iplex Treatment in Children with Short Stature Resistant to GH Therapy.** Sreenivas Dutt Gunturu, Sunil K. Sinha, Amrit S. Bhangoo, Radhika Purushottaman, Andrey Mamkin, Svetlana Ten. *Publication 6305.4*
- 328 **Endocrine Late Effects Detected by the Application of the Children’s Oncology Group Long-Term Follow-Up Guidelines to 500 Patients in a Cancer Survivor Program.** Lillian R. Meacham, Karen Wasilewski. *Publication 6305.5*

- 329\* **Effect of Inspiration/Expiration on Height Measurement.** Martina Kacer, Guangxiang Zhang, Andrew H. Lane, John J. Chen, Thomas A. Wilson. *Publication 6305.6*
- 330 **Growth Hormone Does Not Restore Endothelial Dysfunction in Growth Hormone Deficiency.** Robert P. Hoffman. *Publication 6305.7*
- 331 **Efficacy and Safety of the First Follow on Protein Product Growth Hormone (GH) in Children with GH Deficiency.** T. Romer, F. Peter, B. Koehler, R. Wasikowa, M. Walczak, E. Korman, J. Starzyk, P. Saenger. *Publication 6305.8*
- 332 **Relationship of Salivary Cortisol to the Determinants of Catch-Up Growth in Children Following International Adoption.** Bradley S. Miller, Maria G. Kroupina, Sandra L. Iverson, Patrick Mason, John H. Himes, Dana E. Johnson, Anna Petryk. *Publication 6305.9*
- 333 **(Withdrawn) The Safety Profile of rhIGF-I/rhIGFBP-3 Complex Compared with rhIGF-I Alone in Children with Severe Primary IGF-I Deficiency: Relevance of Maintaining Normal Free IGF-I Levels.** Martin Savage, Kenneth Attie, Louis Underwood, Bilgin Yuksel, Anne Smith, Cecelia Camacho-Hubner. *Publication 6305.10*
- 334 **Circulating Levels of Highly Sensitive C-Reactive Protein and Soluble Markers of Vascular Endothelial Cell and Platelet Activation in Growth Hormone Deficient (GHD) Adolescents.** Roberto Lanes, Henry Marcano, Omar Villaroel, Peter Gunczler, Edgar Morillo, Mariela Paoli, Marvelys Perez, Nora Maulino, Anselmo Palacios. *Publication 6305.11*
- 335\* **Growth and Endocrine Abnormalities in Patients with Hurler Syndrome after Hematopoietic Stem Cell Transplantation.** Lynda E. Polgreen, Melissa Plog, Paul J. Orchard, John H. Himes, Bradley S. Miller, Anna Petryk. *Publication 6305.12*
- 336 **Recombinant Human IGF-1 for Children with Primary IGF-1 Deficiency (IGFD): Safety Data from Ongoing Clinical Trials.** A.D. Rogol, L.K. Midyett, Q. Van Meter, J. Frane, J. Bailly, G.M. Bright. *Publication 6305.13*
- 337 **Selecting Short-Statured Children Needing Growth Hormone Testing: Derivation and Validation of a Clinical Decision Rule.** Laetitia Duche, Christine Trivin, Wassim Chemaitilly, Jean-Claude Souberbielle, Gerard Breart, Raja Brauner, Martin Chalumeau. (Sponsored by Alexandre Lapillonne)*Publication 6305.14*
- 338 **Efficacy of IGF-I Based Growth Hormone (GH) Dose Titration in Non-GH Deficient (Non-GHD) Children with Short Stature Associated with IGF-I Deficiency (IGFD).** Pinchas Cohen, Alan Rogol, Anne-Marie Kappelgaard, Wayne Weng, John Germak, Ron Rosenfeld. *Publication 6305.15*
- 339\* **Humanin: A Novel, Developmentally Regulated, Fetal-Placental Growth Factor.** Ruvdeep S. Randhawa, Irene Netchine, Pinchas Cohen. *Publication 6305.16*
- 340\* **Lipogenic Gene Expression Is Increased during Catch-Up Growth: Contribution to LBW Phenotypes.** Elvira Isganaitis, Jose Jimenez-Chillaron, Alice Chow, Martha Vokes, Jennifer Decoste, Jessica Otis, Mary Elizabeth Patti. (Sponsored by Lynne Levitsky) *Publication 6305.17*
- 341 **Y Chromosome Polymorphisms and Adult Height in Males.** R. Ravi Shankar, George J. Eckert, Chandan K. Saha, Wanzhu Tu, Fadi Charchar, Anna Dominiczak, J. Howard Pratt. *Publication 6305.18*
- 342\* **Pituitary Gigantism and Therapeutic Options in Children.** Remberto C. Paulo, Salman Kirmani, Aida N. Lteif. *Publication 6305.19*
- 343\* **Response to rhGH and rhIGF-I Therapy in 2 Brothers with a Pseudoexon Mutation in the Growth Hormone Receptor (GHR) Causing Growth Hormone Insensitivity (GHI).** Amrit Bhangoo, Henry Anhalt, Ron Rosenfeld, Lou Metherell, Adrian J.L. Clark, Svetlana Ten. *Publication 6305.20*

## General Pediatrics

### 6306 Underserved

- 344 **Hispanic Patients Receive High Quality Care in Resident Continuity Practices: A CORNET Study.** Scott D. Krugman, Wendy L. Hobson, Lynn C. Garfunkel, Janet R. Serwint, Lilia Parra-Roide, for the CORNET Investigators. *Publication 6306.1*
- 345\* **Medicaid HMOs Pose a Barrier to Healthcare Access for Homeless Children.** Cori Green, Margaret Scotellaro, Molly Martin, Beth Volin, Priti Jani. *Publication 6306.2*
- 346\* **Parents' Perspectives on Gaining and Maintaining Children's Public Health Insurance.** Amy E. Lief, Alan L. Mendelsohn, George L. Foltin, Margaret M. Wolff, Adina L. Kalet. *Publication 6306.3*
- 347\* **Effect of Implementing Open Access Appointment Scheduling on Reducing Inappropriate Urgent Care Visits in an Inner City Resident Teaching Clinic.** Tracie Ambrose, James Burns, Cheryl D. Tierney. *Publication 6306.4*
- 348 **Why Parents Bedshare with Their Infants: Surveys and Interviews with African-American Parents.** Rachel Y. Moon, Rosalind Oden, Joana Iglesias, Kendria Hall. *Publication 6306.5*
- 349 **Factors Influencing African-American Parents' Decisions about Sleep Position.** Rachel Moon, Rosalind Oden, Joana Iglesias, Kendria Hall. *Publication 6306.6*
- 350 **African American Parent Report of Anticipatory Guidance Content: Are There Socio-Economic Differences?** Ivor B. Horn, Jill G. Joseph, Lawrence Wissow. *Publication 6306.7*
- 351 **The Role of Clinic Culture in Reach Out and Read Implementation.** Tracy M. King, Samar Muzaffar, Maureen George. *Publication 6306.8*

- 352 **An Integral Educational Health Care Program Leads to Significant Improvement of Children's Well Being in a Population of an Underserved Community.** Nelly Lecompte, Paola Pianeta, Carla Venegas. (Sponsored by Augusto Sola)  
*Publication 6306.9*
- 353 **Limited English Proficiency and Access to the Medical Home among Latinos in a Pediatric Emergency Department.** Jennifer D. Thull-Freedman, Farah N. Ali, Christine Sullivan, Karen Sheehan.  
*Publication 6306.10*
- 354 **Racial Differences in Parental Attitudes towards Medicine and Research: Implication for Participation of Minority Children in Research.** Kumaravel Rajakumar, Stephen B. Thomas, Donald Musa, Donna Almario.  
*Publication 6306.11*
- 355\* **Reasons for Prolonged Bottle-Feeding and Iron Deficiency among Mexican-American Toddlers: An Ethnographic Study.** Damon T. Schroer, Jane M. Brotanek, Sandra Tomany-Korman, Glenn Flores.  
*Publication 6306.12*
- 356 **Mindfulness-Based Stress Reduction for Urban Youth: A Pilot Study.** Erica M.S. Sibinga, Miriam Stewart, Trish Magyari, Cora G. Welsh, Nancy Hutton, Jonathan M. Ellen.  
*Publication 6306.13*
- 357\* **Low-Income Parents' Attitudes and Willingness To Seek Assistance for Social Needs from Their Child's Medical Home.** Arvin Garg, Arlene Butz, Paul Dworkin, Rooti Lewis, Janet Serwint.  
*Publication 6306.14*
- 358 **Unmet Legal Needs in a Clinic Population.** Steven D. Blatt, Suzette M. Melendez, Sarah H. Ramsey, Wendy Broton, Sushma Krishna, Lauren Gresens.  
*Publication 6306.15*
- 359\* **Legal Needs Assessment of Families Accessing Care at an Inner-City Community Health Center.** Jamal Harris, Katherine O'Connor, Iman Sharif.  
*Publication 6306.16*
- 360 **Perceptions of the Medical Home among Inner City Families.** Melissa S. Stockwell, Matilde Irigoyen, Sally E. Findley, Linda F. Cushman, Rachel F. Dannefer, Anne E. Siegler.  
*Publication 6306.17*
- 361\* **What Do They Do All Day? Participation of Foster Care Youth and a Same-School Sample in Organized Activities.** Amelia L. Burgess, Marla E. Eisenberg, Michael D. Resnick.  
*Publication 6306.18*

APS/SPR Student Research Program Awardee  
Nancy Elbasty

363\* **Twenty-Eight Inner-City Youth in the Juvenile Justice System: A Close Look.** Nancy M. Elbasty, Nancy L. Brodsky, Joan M. Giannetta, David Shera, Sabrina Ford, Hallam Hurt.  
*Publication 6306.20*

364\* **Who Cares for East Cleveland's Kids?** Beth Nagy, Shannon Phillips, Michael Macknin, Sarah Worley.  
*Publication 6306.21*

### 6307 Tobacco

365\* **Provider Counseling for Environmental Tobacco Smoke (ETS): A Case-Control Study of Urban Children with and without Asthma.** P. Puthoor, K.M. Conn, S.E. Tanski, J.S. Halterman.  
*Publication 6307.1*

366 **Environmental Tobacco Smoke (ETS) Exposure: Screening, Counseling, Documentation, and Use of Health Services in a Resident Pediatric Practice.** Philip Kum-Nji, Linda Meloy.  
*Publication 6307.2*

367 **Employee Acceptability of a Tobacco-Free Work Policy.** E. Melinda Mahabee-Gittens, Elena Duma, Judith Gordon.  
*Publication 6307.3*

368 **Increasing Support for Movie Smoking Restrictions from 2004-2006 among a US Sample of Parents.** Susanne E. Tanski, Robert C. McMillen, Jonathan P. Winickoff, James D. Sargent.  
*Publication 6307.4*

369 **Universal Tobacco Screening and Cessation Counseling Training Can Improve Tobacco Prevention Practices in a Busy Pediatric Outpatient Clinic.** Meta Lee, Victoria Tran, Maxine Karimoto, Derek Ching, Jeri Anne Ngai, Iwalani Else, Elizabeth Tam.  
*Publication 6307.5*

370 **US Parent Attitudes about Serum Documentation of Their Children's Secondhand Smoke (SHS) Exposure.** Jonathan P. Winickoff, Robert C. McMillen, Susanne E. Tanski, Dana Best, Jonathan D. Klein.  
*Publication 6307.6*

371\* **Adult Smoking as a Risk Factor for Household Food Insecurity.** Cynthia B. Cutler, George E. Fryer, Thomas J. Miyoshi, Michael Weitzman.  
*Publication 6307.7*

### 6308 Health Services Research

372\* **Weight for Gestational Age Affects the Mortality of Late Preterm Infants.** Laurie S. Pulver, Ginger Guest-Warnick, Gregory J. Stoddard, Paul C. Young.  
*Publication 6308.1*

373 **Child Health Knowledge and Practices of Mothers in Rural Uganda.** Jennifer Brenner, James Kayizzi, Theresa McElroy, Colleen OConnell, K.S. Joseph, Fred Bagenda, Jerome Kabakyenga, Doug McMillan, Nalini Singhal.  
*Publication 6308.2*

374 **The Immigration Characteristics of Parents Affect Children's Access to Care: Findings from the National Survey of America's Families.** Andrea C. Weathers.  
*Publication 6308.3*

375\* **Pediatrician Knowledge and Attitudes of School Based Health Clinics.** Randi L. Abbani, Linda R. Tewksbury, George E. Fryer, Thomas Miyoshi, Arthur H. Fierman.  
*Publication 6308.4*

376 **Do Immigrant Children Increasingly Rely on Public Health Insurance?** Susmita Pati.  
*Publication 6308.5*

377 **Effect of Health Insurance and Usual Source of Care on Quality of Care for Young Adults with Diabetes.** P. Scal, A. Moran, C. Boys, R. Kane.  
*Publication 6308.6*

- 378\*** **Financial Burden on Families of Treatment at a Day Treatment Centre (DTC) Compared to Hospitalisation for Urinary Tract Infection (UTI) in Childhood.** E. Riopel, I. Chevalier, M. Gauthier, A.P. Contandriopoulos. *Publication 6308.7*
- 379** **Co-Location and Collaboration in Pediatric Primary Care: Providing WIC Services in the Medical Home.** Wendy Davis, Karen Flynn, Brian Flynn, Donna Bister, Lynne Bortree, Thomas Moseley. *Publication 6308.8*
- 379A** **An Observational Study of the Long Term Effects of Cerebral Stimulants on the Educational Attainment, Anti-Social Behavior, Indicators of Drug Abuse and Hospitalization for Accidents of Boys with ADHD.** William P. Warburton, Clyde Hertzman. (Sponsored by Tim Oberlander) *Publication 6308.8A*
- 380** **Learning from Errors in Ambulatory Pediatrics (LEAP) Study in Japan – A Pilot Study.** Tadashi Saito, Naruo Saito, Haruo Kuroki, Masahiro Igarashi. (Sponsored by Takuji Kumagai)*Publication 6308.9*
- 381** **Religious Coping & High-Risk Youth: Development & Validation of the Youth RCOPE.** Sara M. Pendleton, Lisa M. Chiodo, John H. Hannigan, James Janisse, Kenneth I. Pargament, Robert J. Sokol, Joel Ager, Virginia Delaney-Black. *Publication 6308.10*

APS/SPR Student Research Program Awardee  
Bryn Webb

- 382\*** **Utilizing Discrepancy Theory To Quantitate Quality of Life in Chronically Ill Children.** Bryn D. Webb, Grace W.K. Gong, Maru Barrera, Joseph Beyene, Lillian Sung, Sylvia Ota, Manuel Carcao, Denis Daneman, Irene Elliott, Unni G. Narayanan, Melinda Solomon, Mary Zachos, Nancy L. Young, Brian M. Feldman. *Publication 6308.11*
- 383** **Epidemiology and Etiology of Malpractice Claims Involving Pediatricians.** Aaron E. Carroll, Jennifer L. Buddenbaum. *Publication 6308.12*
- 384** **Multiple Approaches to Increasing Pediatrician Survey Response Rates.** Gretchen Caspary, Karen O'Connor, Sanford Sharp. *Publication 6308.13*
- 385** **Effect of the Establishment of a Private Pediatric Neurology Practice on Generalists' Referral Decisions.** J. Van Cleave, J. Forman, J. Lewis, B. Woodruff, G.L. Freed. *Publication 6308.14*
- 386** **Management of Acute Otitis Media by Primary-Care Physicians: A SCOR Network Study.** Louis Vernacchio, Richard M. Vezina, Allen A. Mitchell. *Publication 6308.15*
- 387** **National Estimates of Morbidity and Mortality Associated with Pediatric Adenotonsillectomy in the U.S..** M. Bruce Edmonson. *Publication 6308.16*
- 388** **Trends in Readmission for Neonatal Jaundice, California 1991-2000.** Anthony E. Burgos, Susan K. Schmitt, David K. Stevenson, Ciaran S. Phibbs. *Publication 6308.17*
- 388A** **Educational Value of Overnight Call in the Third-Year Medical Student Pediatric Clerkship.** Amy L. Lawson, Kathleen A. McGann, Michael J. Potts, Angela M. Sharkey. *Publication 8415.2*
- 389\*** **Differences in Ambulatory Care-Sensitive Hospitalizations by Child Age and Insurance Status.** L. Hoilette, A. Gebremariam, S. Clark, M. Davis. *Publication 6308.18*
- 390** **Hospitalizations for Ambulatory Care Sensitive Conditions among Children with Sickle Cell Disease.** Suzette O. Oyeku, Andrew D. Racine. *Publication 6308.19*

**6309 Prevention, Public Health & Healthy Behavior**

- 391** **Parents Rate Sources of Child Health Information.** Kathryn L. Moseley, Indu Lakhani, Susan D. Goold. *Publication 6309.1*
- 392\*** **A Preschool Reading Program To Promote Healthy Practices.** Harmony M. Brown, Sarah Griffin, Rita Wedig, Justin Moore, Wendy Bibeau, V. Faye Jones. *Publication 6309.2*
- 393** **Child Activity Levels during a Park District After-School Program.** J. Necheles, M. Mason, C. Lammel-Harmon, J. Boldt, C. Vincent, M. Longjohn, P. Meleedy-Rey, R. Seshardi, K. Kaufer Christoffel. *Publication 6309.3*
- 394\*** **What Factors Motivate School-Age Girls To Exercise?** Mary-Margaret S. Kim, Evelyn C. Reis. *Publication 6309.4*
- 395\*** **Sudden Infant Death Syndrome (SIDS) Prevention and the Newborn Nursery: Are Nurseries Educating Parents and Role Modeling Good Practices?** Dustin J. Rayhorn, Shawn McMahon. *Publication 6309.5*
- 396** **Do Middle School Students in Rural Appalachia Listen to "Just Say No"?** G.M. Cohen, T.P. McCoy, S.D. Rhodes. *Publication 6309.6*
- 397** **Violence Exposure, Distress, and Parenting in 118 Young, Urban, African American Mothers and Children.** Amy Lewin, May Wheelwright, Ines Alamo, Dawn Valentine, Jill G. Joseph. *Publication 6309.7*
- 398\*** **Parent and Child Participation in Risk and Benefit Discussions in Pediatric Primary Care.** Sonja E. Raaum, Elizabeth D. Cox. *Publication 6309.8*
- 399** **Residents and Nurses Attitudes towards Termination of Pregnancy for an Anomalous Fetus.** Annie Janvier, Sophie Nadeau, Marianne Deschenes, Elise Couture, Keith J. Barrington, John Lantos. *Publication 6309.9*
- 400\*** **Quality of Primary Care and the Risk of Pneumonia and of Being Hospitalized with Pneumonia for Children in New Zealand.** Diane P. Emery, Cameron C. Grant, Tania Milne, Gregor Coster, Elizabeth Robinson, Christopher B. Forrest. *Publication 6309.10*

- 401 **Improving Children's Health through Community Collaboration.** Cliff M. O'Callahan, Susan J. Macary, Christine Fahey. *Publication 6309.11*
- 402 **Skin Tone and Sunscreen Use: Does One Predict the Other?** Laurie E. Wilkie, Tiffany Otto, Mary J. Ward. (Sponsored by Susan Bostwick) *Publication 6309.12*
- 403\* **The Efficacy of Echinacea, Vitamin C and Propolis in the Prevention of Illnesses in Children Ages 1-6 Years: A Double-Blind Placebo-Controlled Trial.** Aarthi Vemana, Michael Macknin, Farah Wadia-Brink, Sarah Worley. *Publication 6309.13*
- 404 **Prevalence of Sleep Environment Risk Factors for Sudden Infant Death: A Population-Based Study.** Lynne Warda, Joan Blakley. *Publication 6309.14*
- 405\* **Continuity of Care in Infancy Improves Receipt of Health Screening Services.** Ana I. Flores, Warren B. Bilker, Evaline A. Alessandrini. *Publication 6309.15*
- 406 **Challenges in Implementing Ambulatory Electronic Health Records in an Academic Setting: A Qualitative Comparison of Paper-Based Versus EHR-Based Medical Practices.** Stephanie O. Zandieh, Kahyun Yoon-Flannery, Gilad J. Kuperman, Daniel J. Langsam, Daniel Hyman, Rainu Kaushal. *Publication 6309.16*
- 407 **Community Outreach and Engagement in the National Children's Study Vanguard Centers.** Suzette B. VanderBeek, Christine E. Cronk, Dean Baker, Nancy Dole, Nancy Fahrenwald, Sarah A. Keim, Pamela Silberman, Jean Wilson, Cassandra Daston, Maureen Mancini, Angela DeBello, Jessica Sapienza, Kate S. Costella, Leonardo Trasande. *Publication 6309.17*

### 6310 Asthma

- 408\* **Racial/Ethnic Variation in Parent Perceptions of Asthma.** Ann Wu, Lauren Smith, Barbara Bohkour, Katherine Hohman, Tracy Lieu. *Publication 6310.1*
- 409 **The Impact of Health Insurance Gaps on Access to Care among Children with Asthma in the US.** J.S. Halterman, G. Montes, L.P. Shone, P.G. Szilagyi. *Publication 6310.2*
- 410\* **Parent Health Literacy and Knowledge, Attitudes and Behaviors Related to Childhood Asthma.** Efniki Kyvelos, Alan L. Mendelsohn, Arthur H. Fierman, Benard P. Dreyer, Johana Rosas, Stephen Maddox, Christina Yick, Satya Narisety, MaryJo Messito, Suzy Tomopoulos. *Publication 6310.3*
- 411 **Mothers' Reports of Their Own Health and Their Child's Asthma Health... Is There a Link?** Mary Pat Frintner, Lynn M. Olson, Linda Radecki. *Publication 6310.4*
- 412 **Factors Associated with Alternative Medicine Use for Children with Asthma.** A. Gollapudi, L. Gonzalez, S. Rose, D. Lopez, M. Cabana. *Publication 6310.5*
- 413 **The Preschool Asthma Diary (PAD): A Validated Instrument for Day-to-Day Monitoring of Asthma Severity in Young Children.** Francine M. Ducharme, Morton J. Mendelson, Terry Klassen, Patrica Parkin, Lyudmyla Khomenko, Cheryl Savdie, Robert Platt. *Publication 6310.6*
- 414 **Factors Associate with Undertreatment of Pediatric Asthma.** M.D. Cabana, L.C. Jarlsberg, M.A. Rait. *Publication 6310.7*
- 415 **(Withdrawn) Telephone Support in Pediatric Asthma Management.** Mitchell H. Rubin, Tejal Mehta, Sanjay Mitra, Gladys Raveneau, Hyacinth Ucheagwu, Fatima Hassan, Anthony Divittis. *Publication 6310.8*
- 416 **Systemic Corticosteroids in Children Hospitalized for Acute Asthma: Are 4 mg/kg Superior to 2 mg/kg?** Bernhard Fassel, Flory Nkoy, Bryan Stone, Rajendu Srivastava, Tamara Simon, Gena Fletcher, Alice Dowling, Christopher Maloney. *Publication 6310.9*
- 417 **Asthma and Electronic Medical Records - Using an Asthma Form To Improve Care.** Gregory A. Szumlas, Lisa Crosby, Mona Mansour. *Publication 6310.10*
- 418 **Evaluation of an Intervention To Improve Completion of Asthma Management Plans.** Shalini G. Forbis, Jennifer Rammel, Gary A. Mueller. *Publication 6310.11*
- 419 **Chronic Asthma Symptom Questionnaire Validation Study.** Shalini G. Forbis, Jennifer Rammel, Adrienne Stolfi, Gary A. Mueller. *Publication 6310.12*
- 420 **Activity Limitation and Excessive Screen Time among Urban Children with Asthma.** K.M. Conn, P. Puthoor, M. Fagnano, J.S. Halterman. *Publication 6310.13*
- 421 **Does Disease Status Indicate Self-Perceived Quality of Life in Pediatric Asthma Patients?** Lori Feldman-Winter, Kamran Husain, Vatsala Ramprasad. *Publication 6310.14*
- 422 **Physician-Family Communication and Asthma-Related Quality of Life and Child Anxiety.** Suzy Tomopoulos, Arthur H. Fierman, Benard P. Dreyer, Johana Rosas, Allison Gorman, MaryJo Messito, Stephen Maddox, Alan L. Mendelsohn. *Publication 6310.15*
- 423 **Parent and Child Locus of Control and Adherence, Quality of Life and Anxiety Related to Childhood Asthma.** Suzy Tomopoulos, Arthur H. Fierman, Benard P. Dreyer, Johana Rosas, Efniki Kyvelos, Alan L. Mendelsohn. *Publication 6310.16*
- 424 **Assessing Asthma Control: A Goal-Orientated Approach.** Jane Garbutt, Randall Sterkel, Christina Banister, Julie Bruns, Suzanne Wells, Lisa Swerczek, Jay Epstein, Kara Carstensen, Gordon Bloomberg. *Publication 6310.17*

## Behavior / Development

### 6311 Screening & Systems of Care

- 425 **The Relationship between Speech Sound Disorders and Early Literacy Skills in Preschool Children: Impact of Comorbid Language Impairment.** Laura Sices, Lisa Freebairn, Amy Hansen, H. Gerry Taylor, Barbara Lewis. *Publication 6311.1*
- 426 **Cognitive Development Problems at 9 Months of Age: Parental, Gestational and Birth-Related Risk Factors.** Marianne M. Hillemeier, George Farkas, Paul L. Morgan, Molly A. Martin, Steven A. Maczuga. (Sponsored by A. Craig Hillemeier) *Publication 6311.2*
- 427 **Predicting Language at Age 2 Years: A Prospective Community Study.** Sheena Reilly, Melissa Wake, Edith Bavin, Margot Prior, Obioha Ukoumunne, Joanne Williams, Lesley Bretherton, Patricia Eadie, Yin Barratt. (Sponsored by Frank Oberklaid) *Publication 6311.3*
- 428 **Maternal Attitudes and Behavior Associated with Developmental Outcome in Very Low Birthweight (VLBW) and Full-Term (FT) Preschoolers.** Phyllis Zelkowitz, Tong T. Wong, Apostolos Papageorgiou. *Publication 6311.4*
- 429\* **Auditory Experience and Memory Development in Newborn Infants.** J.E. Barthell, C.T. Worwa, J.M. Therien, R.O. deRegnier. *Publication 6311.5*
- 430\* **Developmental Assessment of Latino Kindergarten Children as They Transition to English-Speaking School Settings.** Emily K. Forrest, Benard P. Dreyer, Purnima T. Valdez, Ingrid Luchsinger, Leyla Almanza-Peek, Jennifer Fleming, Alison Smoller, Maria Rodado, Alan L. Mendelsohn. *Publication 6311.6*
- 431 **Children with Moderately Severe or Worse Sensorineural Hearing Loss: Who Is and Isn't Getting Referred for a Cochlear Implant.** S. Wiley, J. Meitzen-Derr, E. Arjmand. *Publication 6311.7*
- 432 **Impact of Universal Screening on Pediatricians' Knowledge and Identification of Developmental Delays.** Sher Gardner, Ann Hazzard, Joy Smith, Alana Clayton, Terri McFadden-Garden. *Publication 6311.8*
- 433\* **Emotional-Behavioral Screening by Primary Care Practitioners: Attitudes, Practices, and Barriers.** Katherine E. Murray, Andrew J. Barnes, Marjorie Ireland, Daniel P. Kohen. *Publication 6311.9*
- 434\* **Barriers To Receipt of Early Intervention.** Everett L. Weiss, Michael E. Msall, Carol Muhammad. *Publication 6311.10*
- 435 **Evaluation of a Training Program on Childhood Developmental Problems for Community Health Providers in Turkey.** Ilgi O. Ertem, Bahar E. Bingoler Pekcici, Sema Ozbas. (Sponsored by John Leventhal) *Publication 6311.11*
- 436 **Effects of a Pediatric Collaborative Care Model on Improving Access to Mental Health Care.** Thomas J. McLaughlin, Christopher Stille, Onesky Aupont, Richard Antonelli, Ronald E. Steingard, Daniel F. Conno. *Publication 6311.12*
- 437 **Infant Behavior Diaries: Electronic vs. Written Methods.** Jessica Lam, Ronald G. Barr, Nicole Catherine. *Publication 6311.13*
- 438 **Does Location of Treatment of Childhood Behavior Problems Make a Difference?** Diane L. Langkamp, Beth G. Wildman, Meghan Barlow, Robert Dempster, Elissa Lampe. *Publication 6311.14*
- 439 **What Families of Children with Special Health Care Needs Want from a Practice-Based Care Coordination Team.** Alex Okun, Nicole Lopen, Andrew D. Racine. *Publication 6311.16*

### 6312 Social Factors (Adoption, Substances)

- 440 **Posttraumatic Stress Disorder Symptoms among Mothers with Newborns in the NICU.** Douglas Vanderbilt, Traute Bushley, Robin Young, Deborah A. Frank. *Publication 6312.1*
- 441 **Early Reporting of Suspected Child Abuse and Neglect by Reviewing All Admissions to a Children's Hospital.** Vincent J. Palusci, Dena Nazer, Howard Fischer, Stephen R. Knazik. *Publication 6312.2*

APS/SPR Student Research Program Awardee  
Mindy Ju

- 442\* **Energy Insecurity, Food Insecurity and Health Risks in Children under 3 Years Old.** Mindy Ju, John T. Cook, Danielle P. Appugliese, Alan F. Meyers, Timothy Heeren, Maureen M. Black, Patrick H. Casey, Diana B. Cutts, Ruth Rose-Jacobs, Mariana Chilton, Deborah A. Frank. *Publication 6312.3*
- 443 **Gambling in Pre-Adolescents: A Prospective Investigation.** Hallam Hurt, David Shera, Nancy Brodsky, Joan Giannetta, Daniel Romer, Martha Farah, Laura Betancourt, Felice Wilson, Louise Pacewicz, Chris Gantz. *Publication 6312.4*
- 444 **Functional Magnetic Resonance Imaging (fMRI) and Working Memory in Adolescents with and without Gestational Cocaine Exposure (COC).** Hallam Hurt, Joan Giannetta, Marc Korkczykowski, Angela Hoang, Laura Betancourt, Nancy Brodsky, David Shera, Martha Farah, John Detre. *Publication 6312.5*
- 445\* **Infants in "Double Jeopardy": Predicting Attachment Security from Psychosocial, Economic, and Infant Health Risk.** Margo Candelaria, Doug Teti, Maureen Black. *Publication 6312.6*

- 446 **Maternal Depressive Symptoms: Association with Food Insecurity and Developmental Risk among Children under Age 3.** Maureen M. Black, Ruth Rose-Jacobs, Danielle P. Appugliese, Timothy Heeren, Patrick H. Casey, Diana B. Cutts, Mariana Chilton, Alan F. Meyers, John T. Cook, Deborah A. Frank. *Publication 6312.7*
- 447 **Revised Estimate of the Cost Burden of Prenatal Exposure to Alcohol in Canada.** Brenda C. Stade, Alaa Ali, Janey Hsu-Wong, Gideon Koren. *Publication 6312.8*
- 448 **Theory of Mind and Executive Functioning in Young Children with Fetal Alcohol Spectrum Disorder.** Katy Wyper, Carmen Rasmussen, Victoria Talwar, Gail Andrew. *Publication 6312.9*
- 449 **Effects of Prenatal Cocaine Exposure on Infant Autonomic Regulation during Attention at 7 Months of Age.** Philip S. Zeskind, Rina Das Eiden, Pamela A. Schuetze, Kristin A. Garber, Yaniv M. Barzilai. *Publication 6312.10*
- 450 **Behavioral Outcomes of Prenatally Cocaine/Polydrug Exposed Children (4-10 Years).** Sonia Minnes, Elizabeth Short, Sudtida Satayathum, H. Lester Kirchner, Lynn T. Singer. *Publication 6312.11*
- 451 **Prenatal Cocaine Exposure and Associated Adverse Behavior in Adolescent Boys.** Virginia Delaney-Black, Lisa M. Chiodo, John H. Hannigan, James Janisse, Robert J. Sokol, Mark Greenwald, Joel Ager. *Publication 6312.12*
- 452 **Influence of Foster Placement on Developmental Outcomes in Infants with In-Utero Methadone Exposure.** Jo-Ann B. Bier, Dorianne Grenon, Theresa Johnson, Ellen Mullane. *Publication 6312.13*
- 453\* **Gender Differences in Cognitive Functioning among Low-Income, Prenatally Drug-Exposed Children.** John P. Ackerman, Maureen M. Black, Antolin M. Llorente, Margo A. Candelaria, Presanna Nair, Genz P. Andrew. *Publication 6312.14*
- 453A **Difference in the Developmental Progress of Three Populations of Internationally Adopted Children.** Patrick Mason, Julie Mullen, Christine Narad. *Publication 6312.14A*
- 454 **Correlates of Age at Adoption among Older Intercountry Adoptees.** Susan M. Blake, Rebecca Ledsky, Terry Baugh, Randi Thompson, Lauren Reicher-Gordon. (Sponsored by Ayman A.E. El-Mohandes) *Publication 6312.15*
- 455 **Adjustment of Older Intercountry Adoptees and Their Adoptive Families.** Susan M. Blake, Rebecca Ledsky, Stephanie Martin, Terry Baugh, Randi Thompson, Lauren Reicher-Gordon. *Publication 6312.16*
- 456\* **International Adoption Consultations: Ethnography of the Physician/Parent Interface.** Sonya Martin, Larry Gray. *Publication 6312.17*
- 457 **Neuropsychological Outcomes Following Intercountry Adoption.** Lisa Albers Prock, Ronald Federici, Deanna Linville. *Publication 6312.18*
- 458 **Stunted Physical Growth in a High Risk Population of Post-Institutionalized Children: HPA-Axis Alterations and Neurobehavioral Development.** Maria Kroupina, Ilona Claassen, Anita Fuglestad, Anna Petryk, Bradley Miller, Patrick Mason, Sandra Iverson, John Himes, Dana Johnson. *Publication 6312.19*
- 459 **Predictors of Child Maltreatment: A Population Based Study.** Eve G. Spratt, Michelle M. Macias, Thomas Hulsey, Keith Rodgers. *Publication 6312.20*

## Emergency Medicine

### 6313 Emergency Medicine

- 460\* **High Dose Etomidate for Pediatric Sedation during Non-Contrast Computed Tomography of the Head.** Amita Shroff, Todd Wolf, William Krief. *Publication 6313.1*
- 461\* **Obesity Increases ICU Asthma Admission in Children.** Ryan S. Sultan, Christopher L. Carroll, Sharon R. Smith, Aaron R. Zucker. *Publication 6313.2*
- 462\* **Utility of Urine Toxicology Screening for Medical Clearance of Pediatric Psychiatric Patients.** Jesusa Milalaine T. Fortu, Cole S. Condra, In K. Kim, Mary Clyde Pierce. (Sponsored by Ronald Paul) *Publication 6313.3*
- 463 **Emergency Department Waiting Room Stress: Can Music or Aromatherapy Tame the Wild Beast?** Lydia J. Holm, Laura Fitzmaurice. *Publication 6313.4*
- 464 **Pediatric Emergency Department Utilization by Adults with Chronic Pediatric Disorders.** William M. McDonnell, Anji T. Yetman. *Publication 6313.5*
- 465 **Institution of Triage Pain Protocol Improves Patient and Family Satisfaction with Emergency Department Pain Management.** Scott D. Reeves, Srikant Iyer, Stephanie Kennebeck, Todd F. Glass. *Publication 6313.6*
- 466 **Pneumococcal Bacteremia among Infants with Fever without Source before and after Introduction of Pneumococcal Conjugate Vaccine in Basque Country (Spain).** Javier Benito-Fernandez, Santiago Mintegi-Raso, Maria Gonzalez-Balenciaga, Susana Capape-Zache, Jesus Sanchez-Etxaniz, Silvia Garcia-Gonzalez. (Sponsored by Javier Gonzalez del Rey) *Publication 6313.7*
- 467\* **Resource Utilization Attributable to Influenza and RSV Infections among Young Children.** Florence T. Bourgeois, Clarissa Valim, Alexander J. McAdam, Kenneth D. Mandl. *Publication 6313.8*
- 468\* **Practice Patterns in the Evaluation of Febrile Infants (30-90 Days) with Fever during Wintertime.** Catherine C. Ferguson, Genie E. Roosevelt, Lalit Bajaj. *Publication 6313.9*

- 469 **Unapproved Abbreviation Detection and Surveillance: A Computer Assisted Screen To Improve Compliance with JCAHO Guidelines in Emergency Departments (ED).** Amir Kimia, A. Capraro, A.M. Stack, D. Hummel, P. Johnston, M. Harper. *Publication 6313.10*
- 470 **Acceptability of Tobacco Cessation Interventions in the Emergency Department.** E. Melinda Mahabee-Gittens, Judith S. Gordon. *Publication 6313.11*
- 471\* **Estimated Measurements of Radiation Exposure to Pediatric Patients during a Trauma Evaluation.** Joshua A. Rocker, Jose Antony, William Krief. *Publication 6313.12*
- 472 **Prevalence of Vitamin D Insufficiency in African-American Children with Forearm Fractures.** L.M. Ryan, C. Brandoli, R.J. Freishtat, J.M. Chamberlain, J.L. Wright, E.P. Hoffman, L. Tosi. *Publication 6313.13*
- 473\* **Comparing Emergency Physicians to Radiologists in Interpreting Head Computed Tomography in Pediatric Trauma Patients.** Amy M. Cooper, Sandy Herr, Mary C. Pierce, Doug Lorenz. (Sponsored by Ronald Paul) *Publication 6313.14*
- 474\* **Constipation in Children Presenting to the Emergency Department.** Faraj Alharbi, Jeyaverni Vellauthapillai, Savithiri Ratnapalan. *Publication 6313.15*
- 475\* **A Needs Assessment for Obesity-Related Anticipatory Guidance in the Pediatric Emergency Department.** J. Warkentin, M. Chan, A. Igric, J. Seabrook, D. Matsui, G. Joubert. *Publication 6313.16*
- 476 **Evaluation and Followup of Pain in Pediatric Minor Injury: A Pilot Study.** A.L. Drendel, K.R. Hainsworth, M.W. Stevens. *Publication 6313.17*
- 477\* **Parental Depression in the Pediatric Emergency Department.** Julie Monteagudo, Nicole Peretto, Kathleen McKay, Christopher L. Carroll, Sharon R. Smith. *Publication 6313.18*
- 478 **Accuracy of Medicaid Claims Data for Determining Infant Emergency Department Use.** Evaline A. Alessandrini, Liz Knoll, Amanda O'Reilly, Aileen Rothbart, Donald F. Schwarz. *Publication 6313.19*
- 479 **Practice Variation among Pediatric Emergency Physicians in the Management of Febrile Neonates.** Ran D. Goldman, Dennis Scolnik, Laurel Chauvin-Kimoff, Ken J. Farion, Samina Ali, Tim Lynch, Serge Gouin, Martin Osmond, David W. Johnson, Terry P. Klassen. *Publication 6313.20*
- 480\* **Compliance with Inhaled Corticosteroids: Association with Outcomes among Urban Asthmatic Children with High Emergency Department Recidivism.** Sonia Kamboj, Deborah M. Quint, Robert J. McCarter, Cheng Shao, Stephen J. Teach. *Publication 6313.21*
- 481\* **Sedation Medication Requirements for MRI of the Brain in Children with Developmental Disabilities.** N. Kannikeswaran, P. Mahajan, A.R. Groebe, U. Sethuraman, E.B. Duffy, R. Thomas. *Publication 6313.22*
- 482 **Noise Levels in the Emergency Department.** Savithiri Ratnapalan, Peter Cieslak, Trent Mizzi, Joel McEvoy, William Mounstephen. *Publication 6313.23*
- 483\* **Bioterrorism: Evaluating the Preparedness of Pediatricians.** Curt Stankovic, Stephen R. Knazik, Scott Compton, Robert Dunne, Prashant V. Mahajan. *Publication 6313.24*
- 484\* **The Use of Antiemetics in Acute Gastroenteritis: A Systematic Review and Meta-Analysis.** L.R. DeCamp, J.S. Byerley, N.M. Doshi, M.J. Steiner. *Publication 6313.25*
- 485\* **Increases in Serum Biomarkers after Severe Facial Injuries.** M.T. Donnelly, D. Wiesman, R. Richichi, R.P. Berger. *Publication 6313.26*
- 486 **Assessment of Outcomes at a Pediatric Trauma Center To Evaluate EMS System Transport Guidelines.** Toni Gross, Joseph Feinglass, Susan Fuchs. *Publication 6313.27*
- 487 **Weight-Related Morbidity and Family Disruption Following Acute Minor Injury.** Keri R. Hainsworth, Amy L. Drendel, Anna C. Aufderhaar, Molly W. Stevens. *Publication 6313.28*
- 488 **Evaluation of an Innovative Educational Program for EMS Providers.** Michael K. Kim, Judith Rehm, Deborah Simpson, Kenneth Sternig, Del Szewczuga, Ronald Pirrallo, Halim Hennes. *Publication 6313.29*
- 489 **Cosmetic Outcomes of Absorbable Versus Nonabsorbable Sutures in Pediatric Facial Lacerations.** Raemma P. Luck, Robert E. Flood, Dalit Eyal, John Saludades, John Gaughan. (Sponsored by Stephen Aronoff) *Publication 6313.30*
- 490\* **Diastolic Hypotension in Children Treated with Inhaled Albuterol.** Syana M. Sarnaik, Bradley Kuch, Shekhar Venkataraman, Richard Orr, Mioara Manole, Kathryn A. Felmet. (Sponsored by Richard A. Saladino) *Publication 6313.31*
- 491 **Short-Term Outcomes and HRQOL after Pediatric Emergency Department (PED) Treatment of Minor Injury: A Pilot Study.** Molly W. Stevens, Amy L. Drendel, Keri R. Hainsworth. *Publication 6313.32*
- 492 **Evaluation of Febrile Infants  $\leq 60$  Days of Age - Review of NHAMCS Data.** P. Mahajan, M. Hamre, S. Knazik, X. Chen. *Publication 6313.33*
- 493\* **International Pediatric Emergency Medicine: Academic Publications from the Developing World.** David M. Walker, Victorio R. Tolentino, Stephen J. Teach. *Publication 6313.34*
- 494\* **An Intervention To Improve Analgesic Administration in the Pediatric Emergency Department.** Brian T. Kelly, David C. Brousseau, Amy L. Drendel. *Publication 6313.35*

- 495\* **How Well Do Physicians Diagnose and Treat Children with Anaphylaxis in the Emergency Department?** Dimitri Laddis, Lara Zibners, Karin Sadow. (Sponsored by Ivanya Alpert)*Publication 6313.36*
- 496 **Proximity of Home Residence to Connecticut (CT) Power Plants as a Predictor of Pediatric Asthma Admission.** James F. Wiley, Theodore Holford, Brian P. Leaderer. *Publication 6313.37*
- 497 **Documentation of Informed Consent for Lumbar Puncture (LP) in a Pediatric Emergency Department (PED).** Parul B. Patel, Amber Gilchrist, Kathleen M. Cronan, Steven M. Selbst. *Publication 6313.38*
- 498\* **Following the Guidelines or Not: Factors Influencing Physicians' Decisions To Order CTs for Acute Head Injury.** Erika Sidney, Denise Dowd, Shirlee Rusk, Paula Rhode. *Publication 6313.39*
- 499\* **Is Morphine Administration Associated with an Increased Risk for Acute Chest Syndrome in Children with Sickle Cell Disease: Preliminary Results.** Yaron Finkelstein, Tal Schechter, Facundo Garcia Bournissen, Laila Nurmohamed, Gideon Koren. *Publication 6313.40*

## Hematology/Oncology (PAS/ASPHO)

### 6314 General Oncology

- 500\* **Population Pharmacokinetics of Doxorubicin in Infants and Children with Malignant Diseases: Any Clue To Identify Children at Risk of Cardiac Toxicity?** Yaron Finkelstein, Alejandro A. Nava-Ocampo, Tal Schechter, Edith St. Pierre, Scott Walker, Gideon Koren. *Publication 6314.1*
- 501 **Different Rates of Clinical Trial Enrollment between Adolescents and Young Adults Aged 15 to 21 Years-Old and Children under 15 Years-Old with Cancer at a Children's Hospital.** Peter H. Shaw. *Publication 6314.2*
- 502\* **Sevelamer Hydrochloride: A Novel Treatment of Hyperphosphatemia Associated with Tumor Lysis in Children.** Shaker Abdullah, Manuel Diezi, Lillian Sung, Lee Dupuis, Denis Geary, Oussama Abba. *Publication 6314.3*
- 503 **Feasibility, Safety and Cost-Benefit Analysis of Ambulatory High-Dose Methotrexate Administration: The Children's Hospital at Montefiore Experience.** Adam S. Levy, Joan O'Hanlon-Curry, Peter P. Semczuk, Browne Roy, Moody M. Karen, Gorlick G. Richard. *Publication 6314.4*
- 504\* **Incidence of Symptomatic Methemoglobinemia Due to Dapsone in Pediatric Oncology Patients.** Lane T. Lanier, Joan P. Cain, Kapil Saxena, Rene Y. McNall-Knapp. *Publication 6314.5*
- 504A\* **Sonic Hedgehog (*Shh*) Expression in Human Papillary Thyroid Cancer and Thyroid Cancer Cell Lines.** Jordan Pinsker, Kirk Jensen, Aneeta Patel, Andrew Bauer, Vasyl Vasko. *Publication 6314.5A*
- 505 **Physician Workforce in Pediatric Oncology: A Pediatric Oncology Group of Ontario (POGO) Exercise in Establishing the Appropriate Physician Ratio.** Jacqueline M. Halton, Elizabeth A. Walker, Mark L. Greenberg, Corin M. Greenberg. *Publication 6314.6*
- 506\* **Vincristine Induced Vocal Cord Paralysis.** Mark Winstanley, Juliette Hukin, John K. Wu. (Sponsored by David Dix) *Publication 6314.7*
- 507\* **Hearing Loss at End of Life in Pediatric Oncology.** Mark Winstanley, David Dix, Elizabeth Brooks, Shahnaz Atashband, Emelie L. Kozak, Frederick K. Kozak. *Publication 6314.8*
- 508\* **Receipt of Opiates by Pediatric Oncology Patients Who Died in Hospitals.** Andrea Orsey, Jean Belasco, Jonas Ellenberg, Kathryn Schmitz, Chris Feudtner. *Publication 6314.9*

### 6315 Neonatal Hematology

- 509 **Efficacy of Intramuscular Phytomenadione (Vitamin K1) Versus Intramuscular Menadiolone (Vitamin K3) in Prevention of Sub-Clinical Vitamin K Deficiency: A Double-Blind Randomized Trial.** Deepak Chawla, Ashok K. Deorari, Ramesh Agarwal, Renu Saxena, Vinod K. Paul. (Sponsored by Vinod K. Bhutani)*Publication 6315.1*
- 510\* **Platelet Transfusion Practices among Neonatologists in the USA: Results of a Survey.** Brandon S. Poterjoy, Martha Sola-Visner, Robert D. Christensen, Leon Su, Cassandra Josephson. *Publication 6315.2*
- 511\* **PFA-100 Closure Times in Cord Blood Samples of Different Gestational Ages.** Lauren Mammel, Martha C. Sola-Visner, Qin Li, Keith E. Muller, Matthew A. Saxonhouse. *Publication 6315.3*
- 512\* **Suboptimal Dosing of Enoxaparin in Preterm Infants.** Janet I. Malowany, David C. Knoppert, Anthony K.C. Chan, David S.C. Lee. *Publication 6315.4*
- 513 **Impact of a Novel Covalent Antithrombin-Heparin (ATH) on Gene Expression during Epithelial Branching of the Developing Mouse Lung.** Nagina Parmar, Leslie R. Berry, Martin Post, Anthony K.C. Chan. *Publication 6315.5*
- 514\* **Hemolytic Disease of the Fetus and Newborn: A Case Series and Discussion of Its Manifestations, Management, and Clinical Outcomes.** Amy Rosenfeld, Glenn Ramsey, Alexis A. Thompson. *Publication 6315.6*
- 515 **G6PD Deficiency as Significant Contributor of Mortality and Morbidity in Infants with Excessive Postnatal Hyperbilirubinemia.** Lois Johnson, Vinod K. Bhutani, Emidio M. Sivieri, Karen Karp. *Publication 6315.7*
- 516 **A Very Strict Guideline Reduces the Number of RBC Transfusions in Premature Infants without Adverse Effects.** Ana Flavia M.A. Mimica, Amelia M.N. dos Santos, Deyse H.F. da Cunha, Benjamin I. Kopelman, Ruth Guinsburg, Akemi Chiba, Melca M.O. Barros, Jose O. Bordin, M. Fernanda B. Almeida. *Publication 6315.8*

- 517 **Randomized Controlled Trial on the Effectiveness of Early Recombinant Erythropoietin Administered to Preterm Infants by Continuous Intravenous Versus Subcutaneous Route.** Luca Maggio, Antonio Scorrano, Francesco Cota, Francesca Gallini, Costantino Romagnoli, Antonio A. Zuppa. (Sponsored by Giovanni Vento) *Publication 6315.9*
- 518\* **Caspase-9 and Caspase-3 Activity and Expression in Cerebral Cortical Tissue Following Acute Reduction in the Circulating Red Cell Mass in Newborn Piglet.** Michelle Kelly, Alan B. Zubrow, Joanna Kubin, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 6315.10*
- 519\* **Nitrite Metabolism in Fetal and Adult Sheep Blood.** Arlin B. Blood, Shilpa T. Verma, John T. Chalabi, Sandra Graybeal, Laura S. Kirby, Gordon G. Power. (Sponsored by Richard Chinnock) *Publication 6315.11*
- 520 **Kinetics and Ontogeny of Methemoglobin Reduction in Human and Sheep Blood.** Arlin B. Blood, Bryan T. Oshiro, Gordon G. Power. (Sponsored by Richard Chinnock) *Publication 6315.12*
- 521\* **Effects of Oxygenation-Deoxygenation Cycling on Nitrite Metabolism in Blood.** Jonathan K. Chong, Gordon G. Power, Laura S. Kirby, George Conahey, Andrew O. Hopper, Arlin B. Blood. (Sponsored by Richard Chinnock) *Publication 6315.13*
- 522\* **Does the Systemic VEGF Concentration Detect Hypoxia in Anaemic Infants?** Edda Tschirch, Benedikt Weber, Petra Kohne, Alexander von Gise, Roland R. Wauer, Mario Rudiger. (Sponsored by Thomas Shaffer) *Publication 6315.14*

### 6316 Hemostasis/Thrombosis

- 523\* **Racial Disparity in the Diagnosis of Von Willebrand Disease (VWD) with Particular Reference to the Diagnosis of Type 2M VWD in African Americans.** B.R. Branchford, B.C. Kautza, J.C. Gill, V.H. Flood, K.D. Friedman, A. Lee, P. Morateck, P.A. Christopherson, R.R. Montgomery. *Publication 6316.1*
- 524\* **A Comprehensive Review of rFVIIa Use in a Tertiary Care Pediatric Center.** Mariel Heller, Wendy Lau, Janneth Pazmino-Canizares, Leonardo Brandao, Manuel Carcao. *Publication 6316.2*
- 525\* **Desmopressin (DDAVP) Response in Patients with Ehlers-Danlos Syndrome.** Kelley J. Mast, Charmaine Biega, Claudia Lupia, Linda Grooms, Frederick B. Ruymann, Bryce A. Kerlin. *Publication 6316.3*
- 526 **Direct Inhibition of Thrombin with Bivalirudin in Children with Thrombosis.** Sobharani Rayapudi, Michael D. Tarantino. *Publication 6316.4*
- 527\* **Outcomes of Thrombolysis for Repeated Courses of Systemic Tissue Plasminogen Activator for Intravascular Thrombosis in Children.** Chanchai Traivaree, Leonardo Brandao, Anthony Chan, Suzan Williams. *Publication 6316.5*
- 528 **Performance of a Quantitative D-Dimer Assay To Diagnose Venous Thromboembolism in Children.** John J. Strouse, Pranita Tamma, Thomas Kickler, Clifford M. Takemoto. *Publication 6316.6*
- 529\* **Incidence of Catheter-Related Infection and Thrombosis in Hemophilia.** Carrye Cost, George R. Buchanan, Kim Miller, Janna M. Journeycake. *Publication 6316.7*
- 530 **Thrombosis in Infants with Single Ventricle Physiology Undergoing Stage I Surgical Palliation.** Jill M. Cholette, Jeffrey S. Rubenstein, George M. Alfieris, William G. Harmon, Roger Vermilion, Norma B. Lerner. *Publication 6316.8*
- 531\* **Efficacy and Complications of Low-Dose Systemic Fibrinolytic Therapy for Thromboembolism in Children.** Sarah E. Sherr, Virginia L. Harrod, Pedro A. de Alarcon, Ulrike M. Reiss. *Publication 6316.9*
- 532\* **Primary and Secondary Upper Extremity Deep Vein Thrombosis in Children.** Fernanda Arnaldez, A. Kim Ritchey, Navyash Gupta, Sriya Gunawardena. *Publication 6316.10*
- 533\* **Does Increasing the Starting Dose of Enoxaparin Result in Better Treatment of Children Requiring Thromboprophylaxis? A Retrospective Cohort Study.** Mark Belletrutti, Mary Bauman, Lesley Mitchell, Patricia Massicotte. *Publication 6316.11*
- 534 **Influence of Nanopolymers with Different End-Functionalities on Platelets and Coagulation: An Ex-Vivo Study.** Meera Chitlur, E. Ware, S. Kannan, W. Hollon, S. Buck, I. Rajyalakshmi, R. Kannan, I. Warriar, M. Rajpurkar, J. Lusher. *Publication 6316.12*
- 535 **Effect of Shiga Toxin on Adhesion Molecules Expression on Human Glomerular Endothelial Cells.** Rafail I. Kushak, Eirini Nestoridi, Olga I. Tsukurov, Julie R. Ingelfinger, Eric F. Grabowski. *Publication 6316.13*

### 6317 Lympho – Histocytic Disorders

- 536 **Notch Inhibitors Are a Novel, Safe, and Effective Treatment for Autoimmune Lymphoproliferative Syndrome (ALPS).** David T. Teachey, Alix Seif, Junior Hall, Theresa Ryan, Cecelia Sheen, Gregor Reid, Yueh Cheng, Valerie I. Brown, Stephan A. Grupp. *Publication 6317.1*
- 537\* **Post-Transplant Lymphoproliferative Disease in Children: Report from a Single Center.** Niketa C. Shah, Diane Hebert, Sheila Weitzman, Arwa Al-Yamani, Paul C. Nathan. *Publication 6317.2*
- 538\* **Histiocytosis Deaths in the U.S.: A Descriptive Analysis and Tracking Recommendations.** Shilpa Jain, Robert Arceci, Norma Kanarek. *Publication 6317.3*
- 539\* **Highly Elevated Ferritin Levels Are Specific to HLH.** Carl E. Allen, Xiaoying Yu, Claudia A. Kozinetz, Jeanine Graf, Kenneth L. McClain. *Publication 6317.4*
- 540 **Novel Spectrum of Perforin Gene Mutations in Familial Hemophagocytic Lymphohistiocytosis (FHL) in Ethnic Omani Patients.** Muralitharan Shanmugakonar, Yasser Wali, David Dennison, Zakia Al Lamki, Mathew Zachariah, Anil Pathare, Riad Bayoumi, Rajagopal Krishnamoorthy. *Publication 6317.5*

- 541\* **Treatment Decisions and Outcome in Hemophagocytic Lymphohistiocytosis.** Abha A. Gupta, Pascal Tyrrell, Rahim Valani, Susanne Benseler, Mohamed Abdelhaleem, Sheila Weitzman. *Publication 6317.6*
- 542\* **Familial Hemophagocytic Lympho-Histiocytosis (FLH) with Munc 13-4 Mutation after ALL: Treatment with 2-Chlorodeoxyadenosine (2CdA).** Sarah I. Meeus, Arlene Redner, Morris Edelman, Jeffrey M. Lipton. *Publication 6317.7*

### 6318 Developmental Therapeutics

- 543\* **PI3-Kinase Inhibition Induces All Cell Death, Potentiates Rapamycin, and Prevents IL-7 Mediated Resistance to Rapamycin.** Jonathan D. Fish, Cecilia Sheen, Marlo Bruno, Jessica Hulitt, Stephan A. Grupp, Valerie I. Brown. *Publication 6318.1*
- 544\* **Novel Small Molecule Inhibitors of Akt Reduce Ewing's Sarcoma Cell Growth.** Kelsey McCarty, Pavel A. Petukhov, Sunil K. Mandal, Rong He, Silke Schlottmann, Verda Erkizan, Aykut Uren, Alan P. Kozikowski, Jeffrey A. Toretsky. *Publication 6318.2*
- 545\* **Pre-Clinical Studies on the Novel Chemotherapeutic Agent (SIG-136) for the Treatment of Refractory Acute Lymphoblastic Leukemia in Children.** Aarthi Jayanthan, Andrea Incornato, Jane Fowler, Ron Anderson, James Whitlock, Aru Narendran. (Sponsored by Douglas R. Strother) *Publication 6318.3*
- 546\* **The Novel Glycolysis Inhibitor, 3-BrOP, Offers a Potential Therapeutic Approach in ALL and AML.** Lauren Akers, Anna Franklin, Wendy Fang, Peng Huang, Patrick A. Zweidler-McKay. *Publication 6318.4*
- 547\* **A Novel STAT3 Inhibitor, STA-21 Induces Apoptosis in Glioblastoma Cells In Vitro.** Beng Fuh, Chenglong Li, Tom Li, Jiayuh Lin. *Publication 6318.5*
- 548 **An Experimental Model for Target Modulation Analysis in Early Clinical Trials: Effects on Hsp90 Client Proteins in Cells of Patients Treated with 17-AAG.** A. Narendran, L. Gore, R. Bagatell, J. Whitlock, J. Kersey, J. Boklan, H. Katzenstein, S. Hunger, A. Amid, K. Booth, C. Herzog, R. Arceci, T. Trippett. (Sponsored by Douglas R. Strother) *Publication 6318.6*

### 6319 Brain Tumor

- 549\* **Changes Mimicking New Leptomeningeal Disease Following Intensity Modulated Radiation Therapy (IMRT) for Medulloblastoma.** J.A. Muscal, J.Y. Jones, A.C. Paulino, A.A. Bertuch, J.M. Su, S.Y. Woo, M. Chintagumpala. *Publication 6319.1*

SPR Student Research Award Recipient  
Ching Zhu

- 550\* **ACT1 Peptide Modulates Glioma Cell Invasiveness.** Ching Zhu, Jane Jourdan, Anne G. Gilg, Robert G. Gourdie, Bernard L. Maria. *Publication 6319.2*
- 551\* **cdk/cylin Components Are Targets of Gene Dosage Changes in Primitive Neuroectodermal Brain Tumours.** Meihua Li, Will Lockwood, Zielenska Maria, Ben Behesti, Maisa Yoshimoto, Paul Northcott, Eric Bouffet, James Ruth, Hai Yan, Michael Taylor, Charles Eberhart, Cynthia E. Hawkins, Wan Lam, Jeremy A. Squire, Annie Huang. (Sponsored by Victor Blanchette) *Publication 6319.3*
- 552 **Antiangiogenic Therapy of Diffuse Brainstem Tumors in Children: A Pilot Study.** Sanna-Maria Kivivuori, Pekka Riikonen, Leena Valanne, S. Andersson, Tuula Lonnqvist, Ulla Saarinen-Pihkala. *Publication 6319.4*
- 553\* **Ependymoma Incidence Is a Function of Gender and Age but Not Time: A SEER Registry Study.** Courtney S. McGuire, Kristen L. Cobb, Paul G. Fisher. *Publication 6319.5*
- 554\* **Variability in the Measurement of Diffuse Intrinsic Pontine Gliomas (DIPG) on Magnetic Resonance Imaging (MRI).** Robert M. Hayward, Nicholas J. Patronas, Eva H. Baker, Louis-Gilbert Vezina, Paul S. Albert, Katherine E. Warren. *Publication 6319.6*
- 555 **Carboplatin Hypersensitivity in Children with Low Grade Glioma and Successful Outpatient Desensitization.** Anne E. Bendel, Alyson Lentz, Bruce C. Bostrom, Stephen C. Nelson, Linda B. Madsen. *Publication 6319.7*
- 556 **Health-Related Quality of Life of Pediatric Patients on Proton Treatment for CNS Tumors.** Karen Kuhlthau, Torunn Yock, Jennifer Dezarn, Nancy Tarbell. *Publication 6319.8*

### 6320 Neuroblastoma

- 557\* **Sulforaphane Is Cytotoxic to Neuroblastoma Both In Vitro and In Vivo.** Lee Dorf, Satyan Kalkunte, Rakesh Singh, Laurent Brard, Giselle Saulnier Sholler. *Publication 6320.1*
- 558\* **Lung Metastases in Neuroblastoma at Initial Diagnosis: A Report from the International Neuroblastoma Risk Group Project.** Steven G. DuBois, Wendy London, Yang Zhang, Susan L. Cohn, Andrew Pearson, Lisa Diller. *Publication 6320.2*
- 559 **High Resolution Quantitative Cell Surface Proteomic Analysis of More and Less Mature SY5Y Neuroblastoma Cells Identifies Markers Which Can Distinguish More from Less Mature Neuroblastoma Tumors in Tissue Microarray Analysis.** Jacob Garcia, Vitor Faca, Jason Jarzembowski, Qing Zhang, Samir Hanash. *Publication 6320.3*
- 560\* **Chemotherapy Enhances Neuroblastoma Cell Immunogenicity In Vitro.** Andrew J. Dettore, Steve Buck, Sureyya Savasan. *Publication 6320.4*

APS/SPR Student Research Program Awardee  
Sonia Garg

- 561\*** **Role of Transcriptional Repressor Bcl6 in Neuroblastoma.** Sonia Garg, Chitra Subramanian, Jason A. JerZembowski, Jennifer Wong Sick Hong, Roland P.S. Kwok, Anthony W. Pipari, Jr, Valerie P. Castle. *Publication 6320.5*
- 562** **A Novel Therapeutic Combination for Neuroblastoma: The RET Inhibitor ZD6474 with cis-Retinoic Acid.** Lizhi Zeng, Monique B. Nilsson, John V. Heymach, Peter E. Zage, Patrick A. Zweidler-McKay. *Publication 6320.6*
- 563\*** **The Role of Mcl1 as a Pro-Survival Protein in Neuroblastoma.** Mark N. Fluchel, Aqudea Lin, Kelly C. Goldsmith, Xueyuan Liu, Kim Davis, Ashish Bhumbra, Laura Ip, Wendy London, Michael D. Hogarty. *Publication 6320.7*
- 564** **Involvement of the Dihydroceramide Desaturase in Cell Cycle Progression in Human Neuroblastoma Cells.** Jacqueline M. Kraveka, Li Li, Mehrdad Rahmaniyan, Zdzislaw M. Szulc, Jacek Bielawski, Besim Ogretmen, Yusuf A. Hannun, Lina M. Obeid, Alicja Bielawska. *Publication 6320.8*
- 565** **Effect of Endogenous Gangliosides on Integrin  $\alpha 2 \beta 1$ -Mediated Adhesion and pp125FAK Expression of SK-N-SH Neuroblastoma Cells to Collagen.** Fei Q. Wen, Zhi P. Liu, Yi X. Chen, Sha Y. Wang, Ke Y. Zhou, Chunpu Ye, Tsu F. Yeh. *Publication 6320.9*

### 632I Late Effects

- 566\*** **Obesity and Hypertension among Survivors of Childhood Acute Lymphoblastic Leukemia.** Eric J. Chow, Catherine Pihoker, Kathryn Hunt, Karen Wilkinson, Debra L. Friedman. *Publication 6321.1*
- 567\*** **Proton Magnetic Resonance Spectroscopic Imaging ( $^1\text{H-MRSI}$ ) and Neuropsychological (NP) Function in Cancer Patients: Pilot Study.** Katherine Warren, Emilie Steffen-Smith, Paul Albert, Kim Shimoda, David Draper, Pam Wolters. *Publication 6321.2*
- 568\*** **Correlation of NT-BNP and Echocardiography in Anthracycline Treated Patients.** Peter C. Dyke, Nicholas D. Yeager, Andrew R. Yates, Katherine E. Johnston, Linda P. Grooms, Clifford L. Cua. *Publication 6321.3*
- 569\*** **Exercise and Sports Team Participation in Survivors of Childhood Acute Myelogenous Leukemia (AML).** Kris Ann P. Schultz, Tianni Zhou, Zhengjia Chen, Lonnie K. Zeltzer, H. Stacy Nicholson, Joseph P. Neglia. *Publication 6321.4*
- 570\*** **A Comparison of the Bone Mineral Density in Childhood Survivors of Acute Lymphoblastic Leukemia and Solid Tumors.** Laura E. Hogan, Aleyas Maria, Edward L. Chan, Devina Prakash, Yasar Celiker, Margaret Bayard, Robert I. Parker. *Publication 6321.5*
- 571\*** **Bone Mineral Density after Therapy for Childhood Cancer.** Justine Cohen-Silver, Stacey L. Urbach, Paul C. Nathan, Patricia Staneland, Mark L. Greenberg. *Publication 6321.6*

12:15pm–1:00pm

### 6355 APS/SPR Meet the Council Lunch

TCC, Room 808

#### Join us for lunch!

Meet the council members, learn about the APS and SPR.

Share your ideas with us.

- Do you know what initiatives and programs we currently support?
- Do you have an idea for a new program or initiative?
- Do you have feedback about the Societies or the annual meeting?
- Do you want to volunteer for Society activities and/or committees?

12:15pm–1:45pm

### 6360A ASPN Presidential Address, Business Meeting and Luncheon

FRY, Ontario

#### ASPN Presidential Address

Sharon P. Andreoli, Chief, Division of Pediatric Nephrology, James Whitcomb Riley Hospital for Children, Indiana University Medical Center, Indianapolis, IN

1:00pm–2:00pm

### 6365A Council of Pediatric Subspecialties: An Open Forum Discussion

TCC, Room 716B

Executive Committee Members include Chair: Paul Darden (General Academic Pediatrics); Vice-Chair: Vicky Norwood (Nephrology); At-Large Members: James Bale (Child Neurology); Daniel Coury (Developmental and Behavioral Pediatrics); and Mary Ann Shafer (Adolescent Medicine)

The Council of Pediatric Subspecialties (CoPS) integrates approaches to subspecialty education, research and patient care by providing a forum for members and other organizations and by serving as the common voice for the pediatric subspecialties. Well into its first year of formal existence, this open forum is designed to allow subspecialists to share their ideas with the

leaders of CoPS.

*CoPS is currently supported by generous contributions from the Association of Pediatric Program Directors (APPD) and the Association of Medical School Pediatric Department Chairs (AMSPDC).*

2:00pm–4:00pm

### **6380 From Health Services Research to Public Policy**

PAS/PIDS/SAM State of the Art Plenary ~ TCC, Room 801B

Target Audience: Investigators, clinicians and advocacy experts.

Objective:

- Understand the role played by research in affecting public policy

Chair: Gary L. Freed, University of Michigan, Ann Arbor, MI

Contributions of health services research regarding children are measured in the ability to improve children's health and well-being. Research findings that contribute to public policy efforts have the potential to affect the lives and well-being of whole communities, states and nations of children. Understanding the nature and appreciating the role of such work is fundamentally important for clinicians, researchers and child policy advocates alike. Speakers on this panel will address central health policy issues for children, including medical errors, immunizations and the obesity epidemic.

#### **2:00 Academic Pediatrics as an Improvement-of-Care Laboratory**

Thomas F. Boat, University of Cincinnati College of Medicine, Cincinnati, OH

#### **2:25 Public Health Planning and Vaccination Policy Decisions—In the Shadow of Pandemic Influenza**

Calvin Johnson, Secretary of Health, Commonwealth of Pennsylvania, PA

#### **2:50 Using Research to Guide Public Policy**

John Agwunobi, US Department of Health and Human Services,  
Assistant Secretary for Health and Human Services, Washington, DC

#### **3:15 Counting the Costs of Childhood Obesity**

Matthew M. Davis, University of Michigan, Ann Arbor, MI

#### **3:40 Discussion**

*Sponsored jointly by the Pediatric Infectious Diseases Society, Society for Adolescent Medicine and the Pediatric Academic Societies*

2:00pm–4:00pm

### **6385 Mechanisms and Management of Co-morbidities of T2DM in Children and Adolescents**

PAS/IPHA/LWPES/NASPGHAN Topic Symposium ~ TCC, Room 717AB

Target Audience: General pediatricians, pediatric endocrinologists and nephrologists.

Objectives:

- Understand recent advances in the pathophysiology and management of a child with non-alcoholic steatohepatitis
- Understand recent advances in the pathophysiology and management of hypertension and kidney disease associated with obesity and T2DM in children and adolescents
- Familiarize themselves with recent advances and emerging therapies and strategies to prevent morbidity associated with T2DM

Chairs: Philip S. Zeitler, University of Colorado at Denver, Denver, CO; and John N. Udall, West Virginia University, Charleston, WV

The childhood obesity epidemic and the associated increase in pediatric T2DM is being manifested in children and adolescents as target-organ damage including liver disease, hypertension, and renal disease. This symposium will focus on the pathophysiology, prevention and management of target-organ effects of T2DM.

#### **2:00 Childhood Non-alcoholic Steatohepatitis (NASH/NAFLD)**

Joel E. Lavine, University of California, San Diego, San Diego, CA

#### **2:40 Early Manifestations of Hypertension and Nephropathy in Adolescents with T2DM**

Joseph T. Flynn, Children's Hospital at Montefiore, Bronx, NY

#### **3:15 Incretin-Based Therapies for the Treatment of Type 2 Diabetes**

Laurie Baggio, Samuel Lunenfeld Research Institute, Mt. Sinai Hospital, Toronto, Ontario, Canada

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

2:00pm–4:00pm

### **6390 Models for Improving Pediatric Oncology and Tertiary Care in the Developing World**

PAS/ASPHO/ASPN/PIDS Topic Symposium ~ TCC, Room 718A

Target Audience: Pediatric hematologist/oncologists, nurse practitioners, other tertiary care specialists (pediatric infectious disease, intensive care, nephrologists) and general pediatricians.

Objectives:

- Discuss the addressable needs for the care of the most curable pediatric oncology patients in the developing world
- Identify the current programs and active models for international pediatric oncology outreach, and have some knowledge of opportunities to become involved, either as an individual or at an institutional level, with the existing programs
- Evaluate opportunities for collaborative research and training available within the context of international outreach programs
- Assess the role of sponsored research in helping to build medical infrastructure at the beginning of a project, and the shared role of both local and international groups in sustaining training, research and treatment activities over time

Chair: Judith F. Margolin, Baylor College of Medicine, Houston, TX

Although many pediatric oncology patients in the developed world are cured, the majority of patients with similar diseases in the developing world remain variously undiagnosed, untreated or inadequately treated. In many cases the means for lower cost cure exists, and need to be implemented. In rare diseases, the possibility of inclusion on clinical trials offers a chance for finding cures for patients worldwide. Current programs and models for collaboration between centers, as well as methods for individuals to become involved will be discussed. Pediatric oncologists from the developing world will describe efforts to implement modern tertiary care techniques in their countries. Many important parallels exist between the efforts to implement modern oncology care, care for HIV/AIDS, and other tertiary care issues in these settings. A complex, multi-national program for HIV/AIDS will be reviewed as a successful model, which incorporates clinical care, clinical trials and local training components.

#### **2:00 Overview**

Judith F. Margolin, Baylor College of Medicine, Houston, TX

#### **2:10 Developing Pediatric Hematology/Oncology Services, Training and Research in Oman**

Zakia Al Lamki, Sultan Qaboos University Medical School, Al-Khoudh, Oman

#### **2:30 Pediatric Cancer in Guatemala: Past, Present and Future**

Federico Antillon, Unidad Nacional de Oncologia Pediatrica, Guatemala City, Guatemala

#### **2:50 Clinical Research in Support of Care and Treatment: Pediatric HIV/AIDS in Africa as a Model**

Mark W. Kline, Baylor College of Medicine, Houston, TX

#### **3:20 International Cancer Treatment Research (INCTR) and the Global Alliance for Pediatric Oncology**

Aziza T. Shad, Georgetown University, Washington, DC

#### **3:30 Chain of Care for Children with Cancer in Developing Countries**

Raul C Ribeiro, St. Jude Children's Research Hospital, Memphis, TN

#### **3:40 Pediatric Oncology Outreach: SIOP and COG Initiatives**

Yaddanapudi Ravindranath, Children's Hospital of Michigan, Detroit, MI

#### **3:50 Discussion**

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

2:00pm–4:00pm

### **6395 Recommendations and Implementation of the IOM Report—Emergency Care for Children: Growing Pains**

PAS Topic Symposium ~ TCC, Room 106

Target Audience: Pediatric emergency care providers and general pediatricians.

Objective:

- Discuss strategies for implementation of the recommendations of the IOM report on the Future of PEM: Growing Pains

Chair: Jane Knapp, Children's Mercy Hospitals and Clinics, Kansas City, MO

Children represent a special challenge for emergency care because they have unique medical needs in comparison to adults. For decades, policy makers and providers have recognized the special needs of children, but the system has been slow to develop an adequate response. This is in part due to inadequacies within the broader emergency care system. This topic symposium examines the challenges associated with the provision of emergency services to children and families as described in the 2006 IOM Report—"Emergency Care for Children: Growing Pains" and addresses how the recommendations of the IOM Report should be implemented.

#### **2:00 Introduction**

Jane F. Knapp, Children's Mercy Hospitals and Clinics, Kansas City, MO

**2:15 Pediatric Training in Professional Education**

George L. Foltin, New York University Medical Center, New York, NY

**2:50 Workforce Issues and Disparities in Care**

Joseph L. Wright, Children's National Medical Center, Washington, DC

**3:25 Research in Pediatric Emergency Care**

David M. Jaffe, Washington University School of Medicine, St. Louis Children's Hospital, St. Louis, MO

2:00pm–4:00pm

**6400 Long Term Pulmonary Outcomes of BPD: Clinically Relevant Assessment**

PAS Topic Symposium ~ TCC, Hall F

Target Audience: Critical care, pulmonology, neonatology.

Objectives:

- Understand the changing epidemiology of BPD
- Understand the impact of neonatal lung injury on late respiratory outcomes
- Relate changes in lung mechanics and the applicability of infant lung function to late respiratory sequelae
- Understand the cardiopulmonary physiology and late ventilator management of established BPD

Chair: Steve Abman, University of Colorado School of Medicine, The Children's Hospital, Denver, CO

Despite new understanding in the changing nature of BPD, management of infants with severe BPD remains a persistent clinical challenge. In this symposium we will discuss the changing epidemiology of BPD and attempt to identify early risk factors for the development of severe BPD. We will also review data on long-term outcomes of infants with BPD, consider issues regarding the application of lung function studies to better understand late complications and review clinical approaches to mechanical ventilation and cardiovascular disease in older infants with severe disease.

**2:00 New Perspectives on the Epidemiology of BPD**

Linda J. Van Marter, Harvard Medical School, Boston, MA

**2:30 Long-term Cardiopulmonary Outcomes of Infants with BPD**

Anne Greenough, Children's Nationwide Newborn Centre, King's College Hospital, London, UK

**3:00 Late Lung Disease in BPD: Lessons Learned from Lung Function Testing**

Janet Stocks, UCL, Institute of Child Health and Great Ormond Street Hospital for Children, London, UK

**3:30 Approaches to Late Ventilator Care in Severe BPD**

Leif D. Nelin, Columbus Children's Research Institute, Ohio State University, Columbus, OH

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

2:00pm–4:00pm

**6405 Pediatric Fellowships—Assessing and Documenting Scholarship and Clinical Competency**

PAS/APPD Mini Course ~ TCC, Room 716B

Target Audience: All attendees involved with fellowship programs.

Objectives:

- Coordinate curriculum and assessment methods among multiple subspecialty fellowship programs at their home institution
- Document and assess the scholarly activity of subspecialty residents/fellows
- Document and assess the competency of subspecialty residents/fellows

Chairs: Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY; and Joseph Gilhooly, Oregon Health & Science University, Portland, OR

Competency-based education is now the standard for both residency and fellowship education. Residency programs have integrated the ACGME Core Competencies into their curricula and assessment methods. Fellowships are now required to function within the “competency” arena, and there is still much to be accomplished, especially in the areas of assessment and documentation. This program will focus on several areas of fellowship education including Competency-based Assessment Tools, Research/Scholarship and the Scholarship Oversight Committee, Educational Portfolios, and Individualized Learning Plans. Attendees are encouraged to bring tools and ideas for discussion and development. Participants should leave with useful materials to bring back to their home programs.

**2:00 Introduction**

Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY  
Joseph Gilhooly, Oregon Health & Science University, Portland, OR

**2:05 The Fellowship Education Committee**

Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY

**2:10 Competency-based Assessment Tools**

John D. Mahan, Children's Hospital, The Ohio State University, Columbus, OH

**2:40 Research, Scholarship and the Scholarship Oversight Committee**

Joseph Gilhooly, Oregon Health & Science University, Portland, OR

**3:10 Promoting Lifelong Learning—Individualized Learning Plans and Pedialink**

Cynthia Lynn Ferrell, Oregon Health & Science University, Portland, OR

**3:40 Discussion**

*Sponsored jointly by the Association of Pediatric Program Directors and the Pediatric Academic Societies*

2:00pm–4:00pm

**6410 Factors in Susceptibility to Oxidative Injury: Nature and Nurture**

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 2:00pm–2:30pm

Discussion: 2:30pm–4:00pm

Chairs: Richard L. Auten and Henry J. Rozycki

- 1** **NADP(H) Oxidase Mediates Hyperoxia-Impaired Postnatal Alveolar Epithelial Proliferation in Mice.** Richard L. Auten, Mary H. Whorton, Stanley N. Mason. *Publication 6410.1*
- 2** **Genetic Modulation of Cytosolic and Mitochondrial Glutathione Reductase (GR) Activities Protects H441 Cells from t-BuOOH-Induced Oxidant Injury.** Caraciolo J. Fernandes, Rong Liang, Donough J. O'Donovan. *Publication 6410.2*
- 3\*** **Unique Pattern of NF- $\kappa$ B Activation Mediates Developmental Differences in Response to Hyperoxia in Lung Fibroblasts.** Clyde J. Wright, Guang Yang, Phyllis A. Dennerly. *Publication 6410.3*
- 4** **Lung NF- $\kappa$ B Regulates HIF $\alpha$  Transcriptional Activation and Expression in the Late Prenatal Period.** Guang Yang, Jessica Bordner, Angela Hu, Phyllis A. Dennerly. *Publication 6410.4*
- 5** **Oxidant Stress Impairs Nutrient-Mediated mTOR Signaling in Lung Epithelial Cells.** J.S. Shenberger, L. Zhang, L.S. Jefferson. *Publication 6410.5*
- 6** **Trans-Arachidonic Acids Are Novel Mediators of Nitritive Stress, Which Exert Significant Effects on Brain Microvascular Tone and Endothelial Survival.** Amna Kooli, Elsa Kermorvant-Duchemin, Michela Bossolasco, Phyllis Dennerly, Xin Hou, Michael Balazy, Sylvain Chemtob. *Publication 6410.6*
- 7** **Effect of nNOS Inhibition Prior to Hypoxia on Activation of Caspase-9 and Caspase-3 in the Cerebral Cortex of Newborn Piglets.** Alan B. Zubrow, Qazi M. Ashraf, Anli Zhu, Maria Delivoria-Papadopoulou, Om P. Mishra. *Publication 6410.7*
- 8** **Peripheral Administration of a Nitric Oxide Donor Results in GABA Receptor Nitrosylation in the Fetal Rat Brain.** Santina A. Zanelli, Howard P. Goodkin, Jaideep Kapur. *Publication 6410.8*
- 9\*** **Ethyl Nitrite (ENO) Enters Lung Cells Partly Via L-Type Amino Acid Transporter-1 (LAT1).** Olivia Granillo, Sheng Li, Richard L. Auten. *Publication 6410.9*
- 10** **Intermittent Hypoxia Exacerbates Oxidative Stress and Alveolar Maldevelopment in Neonatal Mice with Hyperoxia-Induced Lung Injury.** Veniamin Ratner, Casper Casperson, Siarhey Slinko, Richard A. Polin, Vadim S. Ten. *Publication 6410.10*
- 11\*** **Effect of Perfluorochemical (PFC) Liquids and Superoxide Dismutase (SOD) on Protein Oxidation and Mechanics in the Hyperoxic Lung.** D.J. Malone, J. Wu, A. Joseph, T.H. Shaffer, J.M. Davis, J.A. Kazzaz, M.R. Wolfson. *Publication 6410.11*
- 12** **Combination of Antioxidant and Antiviral Therapy for Respiratory Syncytial Virus Infection.** Antonieta Guerrero-Plata, Shawn M. Castro, Antonella Casola, Roberto P. Garofalo. *Publication 6410.12*

2:00pm–3:15pm

**6415 Hematology/Oncology V**

PAS/ASPHO Platform Session ~ TCC, Room 716A

Chairs: Prasad Mathew and Donald L. Yee

- 2:00** **Active Site-Inhibited rFVIIa Blocks Platelet Adhesion/Aggregation on Intact Endothelium Activated with TNF $\alpha$  and Shiga Toxin-1.** Eric F. Grabowski, Eirini Nestoridi, Rafail I. Kushak, Olga I. Tsukurov, Julie R. Ingelfinger. *Publication 6415.1*
- 2:15** **Mutations in Von Willebrand Factor Render It Resistant to Cleavage by ADAMTS13.** Karl Desch, David Ginsburg. (Sponsored by Steven Donn) *Publication 6415.2*
- 2:30 \*** **Dosing and Safety of Unfractionated Heparin in Infants with Thrombotic Complications.** Tal Schechter, Yaron Finkelstein, Suzan Williams, Anthony K. Chan, Muhammad Ali, Leonardo R. Brandao. (Sponsored by Victor Blanchette) *Publication 6415.3*
- 2:45** **Perturbing Hemostasis by Altering the Kinetics of the Interactions between Platelets and Von Willebrand Factor.** Jianchun Chen, Kui Tan, Robert Liddington, Thomas Diacovo. *Publication 6415.4*
- 3:00** **Impact of Covalent Anithrombin-Heparin on Vascularization in the Developing Lung.** Nagina Parmar, Leslie R. Berry, Martin Post, Anthony K.C. Chan. *Publication 6415.5*

2:00pm–4:00pm

## 6420 Hospital Medicine

PAS Platform Session ~ TCC, Room 107

Chairs: Mary Ottolini and Daniel Rauch

- 2:00 Parenteral vs. Oral Antimicrobial Therapy for the Treatment of Acute Osteomyelitis (AO).** Theoklis Zaoutis, Ron Keren, Kateri Heydon, Stephanie Saddelmire, Russell Localio. *Publication 6420.1*
- 2:15 \* Computerized Physician Order Entry (CPOE) Pop-Up Improves Use of Evidence Based Guidelines for Inpatient Bronchiolitis.** Ryan P. Bayley, Paul D. Hain, Osman B. Jalloh, Lemuel R. Waitman. *Publication 6420.2*
- 2:30 \* The Care of the Child Isolated for Infection Control: A Prospective Observational Cohort.** E. Cohen, J. Austin, M. Weinstein, A. Matlow, D. Redelmeier. *Publication 6420.3*
- 2:45 \* Inpatient Urinary Tract Infections: Variability in Care and Outcomes.** Patrick H. Conway, Ron Keren. *Publication 6420.4*
- 3:00 Factors Associated with Code Blue Calls for Children Hospitalized on a General Pediatric Inpatient Unit.** Christopher S. Parshuram, Amina Khambalia, James S. Hutchison, Joseph Beyene, Heather Duncan, Patricia C. Parkin. *Publication 6420.5*
- 3:15 Variation in Inpatient Resource Utilization and Management of Apparent Life Threatening Events.** Joel S. Tieder, Michelle M. Garrison, Dimitri A. Christakis. *Publication 6420.6*
- 3:30 \* Treating Young Infants with UTI... The Shortest PATH.** Jenna Rosenthal, Erin Stucky, Ed Epstein, Cynthia Kuelbs, Laurie Bernard. *Publication 6420.7*
- 3:45 \* Impact of a Cerebrospinal Fluid Enterovirus PCR Test on Length of Hospitalization in Infants  $\leq 90$  Days of Age.** Rebecca L. King, Daniela M. Cohen, Richard L. Hodinka, Scott A. Lorch, Keri A. Cohn, Reshama K. Saralkar, Samir S. Shah. *Publication 6420.8*

2:00pm–4:00pm

## 6425 Neonatal Brain Metabolism and Injury

PAS Platform Session ~ TCC, Room 801A

Chairs: Frances Jensen and Frances J. Northington

- 2:00 \* Cerebral Pathways for Poor Cognitive Outcomes with Prolonged Ventilation in Preterm Infants.** Divyen K. Shah, Lex Doyle, Marilyn Bear, Peter Anderson, Rod Hunt, Terrie E. Inder. *Publication 6425.1*
- 2:15 \* Neonatal Respiratory Therapies Alter the Nature and Pattern of Cerebral Injury.** Young S. Byun, Christopher D. Kronke, Jeffrey J. Neil, Terrie E. Inder. *Publication 6425.2*
- 2:30 Neocortical Neuronal Insult in Preterm Baboons: Influence of Different Strategies of Ventilation.** Catherine Verney, Sandra Rees, Terrie Inser, Pierre Gressens. *Publication 6425.3*
- 2:45 \* Early Amplitude-Integrated EEG (aEEG) Rate of Recovery Correlates with Pathology in a Term Piglet Model of Hypoxic-Ischemic Encephalopathy (HIE).** K. Aquilina, E. Chakkarapani, S. Satas, C. Hobbs, M. Thoresen. *Publication 6425.4*
- 3:00 \* Presumed Perinatal Stroke Syndromes: Recognition of Periventricular Venous Infarction and Implications for Outcome.** Adam Kirton, Manohar Shroff, Gabrielle deVeber. *Publication 6425.5*
- 3:15 Apolipoprotein E Genotype Predicts Risk for Cerebral Palsy.** Maxine F. Kuroda, Mary E. Weck, John F. Sarwark, Aaliyah Hamidullah, Mark S. Wainwright. (Sponsored by Ranna Rozenfeld) *Publication 6425.6*

APS/SPR Student Research Program Awardee  
Scott M. McClintic

- 3:30 \* Isolated Cognitive Deficits at 4 Years Following Brain Injury on MRI in Term Neonatal Encephalopathy.** Scott M. McClintic, Agnes I. Bartha, David V. Glidden, Steven P. Miller, Rita J. Jeremy, A. James Barkovich, Donna M. Ferriero. *Publication 6425.7*
- 3:45 Randomised Clinical Trial of Prevention of Hydrocephalus after Intraventricular Hemorrhage in Premature Infants: Brain-Washing v Tapping Fluid.** Andrew Whitelaw, David Evans, Michael Carter, Marianne Thoresen, Jolanta Wroblewska, Marek Mandra, Janusz Swietlinksi, Judith Simpson, Constantinos Hajivassiliou, Linda Hunt, Ian Pople. *Publication 6425.8*

2:00pm–4:00pm

## 6430 Neonatal Patient Oriented Research: Nutrition/GI

Platform Session ~ Room Hall G

Chairs: William J. Cashore and Jon F. Watchko

- 2:00 Carbamoyl-Phosphate Synthetase Polymorphisms as a Risk Factor for Necrotizing Enterocolitis.** Rob M.J. Moonen, Aimee D.C. Paulussen, Nicole Y.P. Souren, M. Estella Rubio-Gozalbo, Eduardo Villamor. (Sponsored by Carlos E. Blanco) *Publication 6430.1*
- 2:15 Outcomes in a Population of Healthy Term Infants with Serum Bilirubin Levels  $>325$  Micromole/Liter Born in NS, Canada from 1994 to 2000.** Krista A. Jangaard, Deshayne Fell, Linda Dodds, Alexander C. Allen. *Publication 6430.2*

- 2:30 Genetic Polymorphisms in Bilirubin Metabolism.** Zhili Lin, Jamie Fontaine, Jon F. Watchko. *Publication 6430.3*
- 2:45 \* Protein Kinetics of Extremely Low Birth Weight Infants at Term.** Angela L. Isbel, Shirley Wright-Coltart, Scott Denne. *Publication 6430.4*
- 3:00 Patterns for the Premature Brain: Driving the Suck Central Pattern Generator in Premature Infants with RDS.** Steven M. Barlow, Donald S. Finan. (Sponsored by Reese Clark)*Publication 6430.5*
- 3:15 Gluconeogenesis Is Not Acutely Regulated by Either Plasma Glucose or Plasma Insulin Concentration in Parenterally Fed ELBW Infants.** Agneta L. Sunehag, Jorge M. Ordonez, Stephane P. Hays. *Publication 6430.6*
- 3:30 (Moved from Poster Session IV, Tuesday, Poster 294) A Meta-Analysis of the Therapeutic Effects of Oral Zinc in Acute and Persistent Diarrhea.** Marek Lukacik, Ronald L. Thomas, Jacob V. Aranda. *Publication 8429.4*
- 3:30 (Moved to Poster Session IV, Tuesday, Poster 346A) Renal Function Maturation during the First Month of Life in Very Low Birth Weight (VLBW) Infants Treated with Ibuprofen (IBU) for Patent Ductus Arteriosus (PDA).** R. Vieux, J.M. Jellimann, I. Hamon, MC Buchweiller, J. Fresson, F. Boubred, D. Semama, F. Guillemin, J.M. Hascoet. *Publication 6430.7*
- 3:45 (Moved from Poster Session IV, Tuesday Poster 303) Supplementation of Orange Juice with Docosahexaenoic Acid Improves Plasma Phospholipid DHA Content of Children.** Keli M. Hawthorne, Steven A. Abrams, William C. Heird. *Publication 8431.5*
- 3:45 \* (Moved to Poster Session I, Saturday, Poster 551A) Cognitive School Outcomes of Infants Born at 32 to 36 Weeks Gestation.** Lisa J. Chyi, Henry C. Lee, Trena L. Sutcliffe, Jeffrey B. Gould. *Publication 6430.8*

2:00pm–4:00pm

## 6435 Underserved Populations II

PAS Platform Session ~ TCC, Room 205D

Chairs: *Anna Mandalakas and Thomas F. Tonniges*

- |   |   |
|---|---|
| SPR Fellow Clinical Award Recipient<br>Kristen Crossman |   |
| <b>2:00 *</b>   | <b>A Randomized, Controlled, Noninferiority Trial of ED Interpreter Modalities: Telephonic &amp; Live Interpretation vs Bilingual Providers.</b> Kristen L. Crossman, Ethan S. Weiner, Louis C. Hampers. <i>Publication 6435.1</i>  |
| <b>2:15</b>   | <b>The Role of Health Literacy in Child Asthma Care.</b> L.P. Shone, L. Sanders, K.M. Conn, R.S. Tajon, J.S. Halterman. <i>Publication 6435.2</i>   |
| <b>2:30</b>   | <b>Parent Perceptions Mediating Racial/Ethnic Disparities in Asthma Control and Medication Use.</b> L. Smith, B. Bokhour, K. Hohman, I. Miroshnik, E. Cohn, D. Cortes, A. Galbraith, C. Rand, C. Gay, T. Lieu. <i>Publication 6435.3</i>  |
| <b>2:45</b>   | <b>What Are the Mediators of SES-Related Disparities in Language Development of School-Aged Children?</b> Douglas P. Jutte, Khaled Sarsour, Amani Nuru-Jeter, Abbie Raikes, Margaret Sheridan, Mark Kishiyama, W. Thomas Boyce. <i>Publication 6435.4</i>   |
| <b>3:00</b>   | <b>Mothers' Expectations for Shared Reading Following Delivery and Their Implications for Reading Activities at 6 Months.</b> Samantha B. Berkule, Benard P. Dreyer, Cori M. Green, Harris H. Huberman, Margaret M. Wolff, Virginia Flynn, Brenda Woodford, Alan L. Mendelsohn. <i>Publication 6435.5</i> |
| <b>3:15</b>   | <b>Making Tortillas without Lard: Latino Parents' Perspectives on Healthy Eating, Physical Activity, and Weight Management Strategies for Overweight Latino Children.</b> Glenn Flores, Julio Maldonado, Paola Duran, Rene Farias, Kate Carpenter. <i>Publication 6435.6</i>                              |
| <b>3:30 *</b>   | <b>Active Pediatric Tuberculosis Cases in Minnesota 1995-2006: How Many Were Previously Known To Have Latent TB Infection (LTBI)?</b> Stacene R. Maroushek, Caroline Stuart. (Sponsored by Diana Cutts) <i>Publication 6435.7</i>   |
| <b>3:45 *</b>   | <b>Access and Quality of Outpatient Follow-Up Care after Pediatric Emergency Department Visits: Impact of Implementation of a Medicaid Managed Care Program.</b> Jesse J. Sturm, Daniel A. Hirsh, Robert Massey, Naghma S. Khan, Harold K. Simon. <i>Publication 6435.8</i>                               |

2:00pm–4:00pm

## 6510A Academic Pediatric Nephrology—Advocating for Yourself

ASPN Workshop ~ TCC, Room 713AB

Target Audience: Pediatric nephrologists, trainees, department chairs and nephrology division directors.

Objectives:

- Define current workforce shortage issues
- Determine expectations as pediatric nephrologists in the current workforce era
- Obtain strategies for advocating for oneself with his/her employer
- Obtain information from adult nephrology model that can be integrated into the pediatric workforce model

Chairs: Deepa Chand, The Children's Hospital at the Cleveland Clinic Foundation, Cleveland, OH; and Elaine Kamil, Cedars-Sinai Medical Center, David Geffen School of Medicine at UCLA, Los Angeles, CA

This workshop provides an overview of the many duties of an attending pediatric nephrologist, especially during a workforce shortage. With demands increasing and lifestyle remaining an issue, the pediatric nephrologist must make choices regarding

his/her employment model. This session aims to describe the problem, review alternatives to the work model and offer solutions to improve the current workforce situation.

**2:00 Overview of the Current Pediatric Nephrology Workforce**

Uri S. Alon, Children's Mercy Hospital, Kansas City, MO

**2:20 Duties/Salary Discrepancies of a Pediatric Nephrologist and How to Approach Job Negotiation/Renegotiation from a Nephrologist's Perspective**

Sandra L. Watkins, Children's Hospital and Regional Medical Center, Seattle, WA

**2:40 Duties/Salary Discrepancies of a Pediatric Nephrologist and How to Approach Job Negotiation/Renegotiation from a Researcher's Perspective**

Mary Beth Leonard, The Children's Hospital of Philadelphia, Philadelphia, PA

**3:00 How to Approach Job Negotiation/Renegotiation from a Chairman's Perspective**

Russell W. Chesney, University of Tennessee Health Science Center, Memphis, TN

**3:20 Balance/Focus: The Adult Nephrology Model of Differentiating the Practice and the Individual**

Martin J. Schreiber, Cleveland Clinic, Cleveland, OH

**3:40 Discussion**

2:00pm–4:00pm

**6515A Challenges in the Management of Disorders of Calcium and Phosphorus in the Neonate/Growing Child**

LWPES Workshop ~ TCC, Room 705

Target Audience: Pediatric endocrinologists and clinicians involved with care of neonates and infants.

Objectives:

- Appreciate the challenges faced by the clinician in diagnosing and managing a neonate with disorder of calcium/phosphate homeostasis
- Understand the latest developments regarding the cellular and molecular basis of disorders of calcium/phosphate homeostasis in the neonate
- Understand the rationale for diagnosing and managing various disorders of calcium/phosphate homeostasis in the neonate

Chair: Michael A. Levine, Children's Hospital, The Cleveland Clinic, Cleveland, OH

In this two-hour session, Dr. Levine will lead a discussion focused on the unique challenges faced by clinicians taking care of neonates presenting with disorders of calcium/phosphorus homeostasis. Dr. Levine will discuss the latest developments in the molecular and cellular basis of these disorders and the impact of such information on the management of these patients.

**What's New in the Growth Plate: Rickets and Mineralization**

Rachel Gafni, University of Maryland School of Medicine, Baltimore, MD

**What's New in Hypophosphatemic Rickets: Beyond XLH**

Murat Bastepe, Massachusetts General Hospital, Harvard Medical School, Boston, MA

2:00pm–4:00pm

**6516A Diabetes Insipidus in Neonates**

LWPES Workshop ~ TCC, Room 715B

Target Audience: Clinicians involved with care of neonates and infants with diabetes insipidus.

Objective:

- Understand the rationale and practice of various strategies to manage diabetes insipidus in the neonate

Chairs: Scott A. Rivkees, Yale University School of Medicine, New Haven, CT; and Joseph A. Majzoub, Children's Hospital Boston, Boston, MA

In this session the two experts will discuss the unique challenges faced by a clinician in the management of diabetes insipidus in a neonate. The speakers will discuss the scientific rationale and practical implementation of the various regimens and strategies that can be used to manage diabetes insipidus in the neonate.

2:00pm–4:00pm

**6517A Dollars and Centimeters: The Business of Pediatric Endocrinology**

LWPES Workshop ~ TCC, Room 707

Target Audience: Clinicians involved in the practice of pediatric endocrinology.

Objectives:

- Appreciate measures that increase efficiency and income generation in pediatric endocrine practice
- Understand the process for negotiating and implementing clinical trials contracts in pediatric endocrinology
- Appreciate the impact and role of electronic medical record (EMR) in the practice of pediatric endocrinology
- Understand the financial risks and benefits of introducing an EMR in a pediatric endocrinology practice

Chair: Paul S. Thornton, Cook Children's Medical Center, Fort Worth, TX

This session will discuss issues related to financial aspects of the practice of pediatric endocrinology in both private practice and hospital based/academic settings. The impact of new technologies (e.g. EMR, electronic medical record) and new opportunities (clinical trials) in the practice of pediatric endocrinology will be discussed. In this session three areas of direct relevance to the practice of pediatric endocrinology will be discussed.

**Overview**

Paul S. Thornton, Cook Children's Medical Center, Fort Worth, TX

**The Role of IGFs (Income Generation Factors) in Pediatric Endocrine Practice**

Paul S. Thornton, Cook Children's Medical Center, Fort Worth, TX

**Negotiating a Clinical Trials Contract—The Physician Perspective**

Lawrence A. Silverman, Goryeb Children's Hospital, Atlantic Health System, Morristown, NJ

**Negotiating a Clinical Trials Contract—The Industry Perspective**

George M. Bright, Tercica, Inc., South San Francisco, CA

**Cost-benefit Analysis of Implementing an EMR into a Pediatric Endocrinology Practice**

Dennis Brenner, Baystate Children's Hospital, Tufts University School of Medicine, Springfield, MA

2:00pm–5:00pm

**6520 Consensus Recommendations on Pediatrics and Special Populations During Disasters and Public Health Emergencies**

PAS Workshop ~ TCC, Room 703

Target Audience: Individuals with an interest in emergency health services, emergency and disaster medicine, and public health emergency management for children and special vulnerable populations.

Objectives:

- Describe the unique needs of children, the elderly, and disabled persons during a disaster or public health emergency
- Discuss the emergency management and clinical considerations of these persons and how to best plan for their anticipated needs
- Identify areas within one's own jurisdiction or agency where changes to preparedness plans can be made to accommodate these special, vulnerable populations

Leader: David S. Markenson

In this workshop participants will be presented with a summary of national consensus recommendations from a clinical and emergency management perspective, specific to the considerations of children, the elderly, the disabled and special populations during disasters and public health emergencies. Focus will be placed in the preparation for the unique needs of these individuals and how to train and prepare staff and facilities to meet their needs during an emergency.

2:00pm–5:00pm

**6522 Developing Individual Learning Plans for Residents**

PAS Workshop ~ TCC, Room 206E

Target Audience: Program Directors and faculty involved in mentoring pediatric residents and fellows.

Objectives:

- Learn to assist residents in the development of individual learning plans
- Develop tools to use for teaching faculty mentors/advisors how to assist residents in the development of individual learning plans

Leader: Rainer Gedeit; Co-leaders: Jennifer McKanry, Sajani Tipnis, Jay Nocton, Karen Marcante

This workshop will allow participants to develop skills required to assist residents in the development of their individual learning plans and also set the foundation to allow assisting other faculty in this process. The faculty involved in this workshop will discuss and demonstrate the teaching tools used for faculty development in this area. Participants will develop their own individual learning plans and measurements for successful completion of the goals outlined.

2:00pm–5:00pm

**6524 Effective, Efficient and Innovative Medical Student and Resident Teaching: Who Says It Cant Be Done?**

PAS Workshop ~ TCC, Room 706

Target Audience: Trainees, fellows, junior faculty, mid-level faculty, senior faculty and community practitioners.

Objectives:

- Introduce innovative strategies and techniques to improve teaching effectiveness and efficiency
- Provide opportunities to practice these strategies and techniques

Leader: Lewis R. First

With increased pressures to treat patients as efficiently as possible, teaching of medical students and residents has become more of a burden or even an afterthought and less of a major priority in the clinical setting. Effective, efficient and innovative

teaching strategies are needed. This workshop will provide participants with such strategies that will in turn aid in the recruitment, faculty development and retention of preceptors. Content areas will focus on the importance of a good orientation, feedback, evaluation and creative teaching techniques that will resolve conflicts with time constraints and make teaching fun and a true learning experience for all involved.

2:00pm–5:00pm

**6526 Hotdocs for Docs: Helping Our Toddlers, Developing Our Children: A Multimodal Curriculum for Pediatric Faculty to Address Training Challenges in the Incorporation of Behavioral Interventions into Primary Care Practice**

PAS Workshop ~ TCC, Room 206C

Target Audience: Academic faculty or fellows responsible for residency training in general or developmental-behavioral pediatrics.

Objectives:

- Learn to incorporate knowledge of early childhood development, the function of behavior and temperament into a behavioral intervention plan for families of young children with challenging behavior using the HOTDOCS curriculum
- Learn to deliver the curriculum to trainees using multimodal strategies involving direct observation, case presentation/review and web-based training modules
- Review coding and billing strategies and relate to methods of incorporating behavioral interventions into primary care practice

Leader: Carol Lilly; Co-leaders: Kathleen Armstrong, Heather Curtiss

HOTDOCS for DOCS is an interactive program intended to train pediatric faculty and developmental fellows as trainers for residents and community pediatricians related to the diagnosis and management of challenging behaviors in infants and young children seen within primary care practice. Initial didactic session will be followed by case based instruction during which participants will move through each section of the curriculum while creating individualized plans for a mock patients. Methods for evaluating resident performance in different contexts will be reviewed and related to ACGME competencies. Participants will receive the curriculum on CD for use at their training programs.

2:00pm–5:00pm

**6528 How to Do Research in Pediatric Education and Get It Published**

PAS Workshop ~ TCC, Room 802A

Target Audience: Junior and senior faculty involved in pediatric education at medical student and residency levels.

Objectives:

- To describe ways of defining interesting questions in research in pediatric education
- To clarify strategies for the presentation of research methods and findings for journal publication
- To compare and contrast qualitative and quantitative research in pediatric education

Leader: James M. Perrin, Co-leaders: John P. Co, Benjamin Siegel

Increasing numbers of pediatric faculty carry out studies of pediatric education, and new and promising techniques can help pediatric educators in these investigations. Many academic centers have a wealth of researchers who can collaborate with pediatric educators in their efforts. This workshop provides guidance in choosing a research question, determining how to study it using both qualitative and quantitative methods, and writing up the study for publication. Based on the experience of Ambulatory Pediatrics, the leaders will share reasons for success and failure in publishing research in pediatric education. Participants will use specific educational questions to explore best research methods to study them.

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

2:00pm–5:00pm

**6530 How To Practice Evidence-Based Medicine**

PAS Workshop ~ TCC, Room 206B

Target Audience: Trainees, residents, fellows, junior faculty, mid level faculty, pediatricians in practice.

Objectives:

- How to identify high-quality evidence and evaluate it for validity, importance and applicability in routine pediatric practice
- How to integrate clinical judgment, patient preferences and evidence in patient care
- How to make clinical decisions by evaluating the risks, costs and benefits or a proposed intervention

Leader: Roger Soll; Co-leader: Gautham Suresh

This workshop is designed to teach clinicians how to apply the principles of evidence-based medicine in everyday patient care. Learners will participate in interactive small group discussions and practical exercises and learn how to identify high-quality evidence, critically appraise medical literature, grade the available evidence, evaluate risks and benefits, and integrate research data with clinical expertise and patient preferences. Concepts and tools from the Center for Evidence-based Medicine at Oxford University will be used during this workshop. There will be minimal emphasis on biostatistics and much emphasis on

the use of simple, practical tools and resources. Learners should come prepared to actively participate in discussions and hands-on exercises during the workshop.

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

2:00pm–5:00pm

**6532 Informed Consent in Pediatric Clinical Trials: More Than Just Saying Yes**

PAS Workshop ~ TCC, Room 809

Target Audience: Residents and fellows.

Objectives:

- Identify the important regulatory issues pertaining to informed consent for infants and children
- List the federal risk categories for research and describe how these affect the consenting process
- Discuss the determinants of parental consent

Leader: Victoria Tutag Lehr, Co-leaders: Beena Sood, Philip S. Zeskind

Infants and children are vulnerable research subjects and informed consent is the vehicle for their protection. This workshop will comprehensively address aspects of informed consent for infants and children. Participants will review federal regulations and guidelines that must be considered when developing informed consent for clinical trials. Guidelines for assent will be discussed. Development of informed consent from a template will be demonstrated. Case studies from practice will be reviewed. Situations requiring signatures of both parents and exception from informed consent for emergency research including cases in which one parent is uninvolved in the child's care will be discussed. Determinants of parental consent will be described.

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

2:00pm–5:00pm

**6534 Like Water From Stone: Time Management Essentials for Academic Pediatricians**

PAS Workshop ~ TCC, Room 205AC

Target Audience: Senior trainees and junior faculty who feel time-deprived.

Objectives:

- Articulate a framework for effective time management in the academic setting
- Describe and discuss strategies to implement specific time management strategies

Leader: Hema Patel; Co-leaders Evelyn Constantine

Insufficient time is frequently cited as a reason that junior faculty do not achieve academic goals. While we cannot add a day to the week, improving the efficiency of your available time may improve productivity. In this workshop, practical tips on time management will be discussed, along with a conceptual framework for time organization. Specifically, calendar and agenda basics, office tips, email and meetings management and procrastination will be discussed. We will borrow tried and true principles from the business world and demonstrate some everyday applications for busy academic pediatricians. Please bring your daily planner/agenda book!

2:00pm–5:00pm

**6535 Preparation and Presentation of an Abstract for a Scientific Meeting**

PAS Workshop ~ TCC, Room 712

Target Audience: Post-doctoral fellows.

Objectives:

- Review an abstract for a meeting and understand how to edit it to improve clarity
- Identify factors that limit interest or enthusiasm for the work described in an abstract

Leader: George Lister, Dallas, TX; Co-Leader: Mark R. Schleiss

The aim of this session will be to discuss: (1) the preparation of an abstract for submission to a scientific meeting; (2) the review process for the abstract; and (3) the presentation of the information in both oral and poster format. We will review essential components in the composition of an abstract and consider strategies in presenting data in written, tabular and graphic form. We will also review common flaws that interfere with the understanding or acceptance of the abstract. Although no preparation for the seminar is required, an interactive format will be used so that participants will have the opportunity to test different approaches to the presentation of material and to provide input to suggestions of others.

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

2:00pm–5:00pm

**6536 Securing a Faculty Position: A Practical Guide for Residents, Fellows, Junior Faculty and Their Mentors**

PAS Workshop ~ TCC, Room 810

Target Audience: Trainees, fellows, and junior faculty.

Objectives:

- Ability to negotiate for a faculty position

- Knowledge of standard procedures for the interview process

Leader: Thomas DeWitt; Co-leaders: Claibourne Dungy, Kathleen Nelson

This workshop discusses the standard procedures used when applying and interviewing for a faculty position in academic medicine. From the submission of the resume to the negotiation of the offer package, this workshop will serve as a practical guide to trainees, fellows, and junior faculty wishing to secure a position in academic medicine. Through the presentation of material, discussion, and role-playing, participants will become familiar with the processes involved in the application and negotiation process for a faculty position.

2:00pm–5:00pm

### **6538 Surviving and Thriving: Strategies for Women in Research**

PAS Workshop ~ TCC, Room 711

Target Audience: Women who are fellows or junior faculty in health services or clinical research.

Objectives:

- Discuss issues unique to women investigators
- Discuss key elements to consider when seeking a new academic position
- To develop basic skills in negotiation

Leader: Rita Mangione-Smith; Co-leaders: Maria Britto, Shari Barkin

Women who pursue careers as clinical investigators in medicine face unique challenges compared to their male counterparts. Many professional women are not as comfortable or informed as their male colleagues when it comes to negotiating for an initial position, additional resources, or academic promotion. In this workshop we will focus on important elements to consider when looking for a first academic job or when changing institutions during the early phases of your career. We will present negotiation strategies that are particularly useful for women in the early years of their clinical investigator track and give participants a chance to practice these skills through roll-play exercises. We will also discuss some of the challenges faced by women in the field and introduce some important strategies for academic career building when faced with competing demands.

2:00pm–5:00pm

### **6540 The Role of the American Board of Pediatrics in Promoting Quality of Care**

PAS Workshop ~ TCC, Room 704

Target Audience: Fellows and faculty.

Objectives:

- Learn how quality of care links to ABP certification
- Understand principles of improvement science

Leader: Paul Miles; Co-leaders: Carole Lannon, Peter Margolis

The American Board of Pediatrics mission statement highlights its responsibility to ensure that certification implies competency in practice-based learning and systems thinking, and leads to high quality care. We will discuss new initiatives in both primary care and pediatric subspecialty care to accelerate improvements in care and outcomes for children and families.

2:00pm–5:00pm

### **6547 Division Directors in General Pediatrics**

APA Special Interest Group ~ TCC, Room 205B

Chairs: Tina Lee Cheng, tcheng2@jhmi.edu; and Susan Bostwick, sbbostwi@med.cornell.edu

We will review the National Leadership Conference in Academic General Pediatrics. There will be discussion regarding what was accomplished and plans for next year's conference. We will solicit opinions at the SIG regarding Division Directors' needs for subsequent conferences. We will also discuss "Academic General Pediatrics Divisions: What's in and What's out". There are increasing questions regarding the makeup of Academic General Pediatrics Divisions. The Division Director's survey last year demonstrated that currently Divisions have a diversity of faculty and subspecialties. In addition there are new areas of subspecialization, e.g. Hospitalists, Education, Child Protection, Safety/Quality etc, continuing to be defined. We will explore with the SIG membership what divisions currently encompass, what direction we foresee divisions moving in, as well as the impact on Academic General Pediatrics Divisions.

2:00pm–5:00pm

### **6550 Medical Informatics**

APA Special Interest Group ~ TCC, Room 808

Chair: ~~Donna D'Alessandro, donna.dalessandro@uiowa.edu~~ cancelled and replaced with William Adams

The Medical Informatics SIG will be hosting a great presentation at the Pediatric Academic Societies meeting in Toronto on Sunday May 6th from 2-5 PM. Dr. Lisa Simpson, the current APA Public Policy Committee Chairman and national expert in quality improvement will discuss the interrelationship between medical informatics and quality improvement efforts. She'll

discuss how quality improvement efforts affect healthcare practitioners individually and through local, regional and national organizations to improve the health, outcomes and lives of children and families. We will also be having some additional discussions of other current research and project efforts.

We encourage anyone who is interested in using computers in medicine to join the SIG. Please contact Donna D'Alessandro at [donna-dalessandro@uiowa.edu](mailto:donna-dalessandro@uiowa.edu). with questions or comments.

2:00pm–5:00pm

### **6552 Nutrition**

APA Special Interest Group ~ TCC, Room 206F

Chairs: Robert J. Karp, [robert.karp@downstate.edu](mailto:robert.karp@downstate.edu)

#### **An Update On Folate Needs For Children And Young Adults**

Objectives:

- to inform participants of current appreciation of folate requirements for children and young adults
- to make resources available to address these needs

Presentations will be on 1) An introduction to folic acid nutrition including metabolism, availability in foods, concept of nutrient density, and requirements as previously understood using concept of RDA; 2) A contemporary update including requirements as currently understood using concept of DRI, impact on incidence of birth defects and birth weight; 3) Implementation of an effective distribution system including food fortification, food programs, and provision of nutrient supplements; 4) Summary on what we can do to insure adequate folate intake including provision of resource material. Participants will have an opportunity to describe what they are doing or think should be done.

Our guest for the session will be Dr. Robert L. Brent

2:00pm–5:00pm

### **6556 Pediatric Residents**

APA Special Interest Group ~ TCC, Room 206D

Chair: Joyce Li, [jl15@stanford.edu](mailto:jl15@stanford.edu)

The Residency Special Interest Group is open to all trainees and training directors for a discussion of issues relevant to residents and fellows. This year's topic will be Resident Unions and the Unionization process. Our keynote speaker will be Carol Strong, the administrative head of University of Michigan's House Officer Association, a group that acts as the resident and fellow union at University of Michigan Health System and works with the hospital to negotiate resident contracts, salary, lounge space, and other relevant hospital policies and social concerns of residents and fellows.

2:00pm–5:00pm

### **6557 Pediatric Tobacco Issues**

APA Special Interest Group ~ TCC, Room 206A

Chairs: Sophie Julia Balk, [sbalk@montefiore.org](mailto:sbalk@montefiore.org); Tahniat Syed, [tss28@drexel.edu](mailto:tss28@drexel.edu); and Susanne Tanski, [susanne.e.tanski@hitchcock.org](mailto:susanne.e.tanski@hitchcock.org)

The Pediatric Tobacco Issues Special Interest Group or "CIG-SIG" aims to provide participants with opportunities to network and learn about other members' activities and research, discuss hot topics, and build awareness and skills in advocacy. Last year's meeting was informative and energetic. This year's agenda will include member project updates and a discussion of our new APA Tobacco policy. We will also take advantage of the local talent with discussion of efforts and initiatives in Canada. Hot topics including new pharmacotherapeutic agents and smokeless tobacco as a harm reduction agent will also be presented. New members and trainees are welcome and encouraged to participate and share.

2:00pm–5:00pm

### **6558 Practice-Based Research Networks**

APA Special Interest Group ~ TCC, Room 709

Chair: Robert Siegel, [robertsiegel56@pol.net](mailto:robertsiegel56@pol.net)

The Pediatric Practice Based Research Network SIG will provide a forum for the PBRN members to share experiences and to present new Practice Based Research. The SIG is particularly useful to fledgling networks to gain practical points from experienced PBRNs.

2:00pm–6:00pm

### **6560 AAP Presidential Plenary/Silverman Lecture and Reception**

TCC, Room 701A

*Jay Berkelhamer*

*President, American Academy of Pediatrics*

Chair: Errol R. Alden

- 2:10 Mental Health Disparities in Children and Predictors of Family Burden.** Amy J. Houtrow, Megumi J. Okumura, Paul W. Newacheck. *Publication 6515.1*
- 2:25 Readability and Suitability of Enrollment Forms for the State Children's Health Insurance Program.** Lee M. Sanders, Steven Federico, Mary Ann Abrams, Benard Dreyer, William Cull, Janet Ohone-Frempong, Terry Davis. *Publication 6515.2*
- 2:40 The National Impact of Pneumococcal Conjugate Vaccine on Pneumonia Hospitalizations in Children.** Carlos Grijalva, Patrick Arbogast, Kathryn Edwards, Pekka Nuorti, Marie Griffin. *Publication 6515.3*
- 2:55 AAP Excellence in Public Service Award.** Woodie Kessel, M.D., M.P.H., F.A.A.P.
- 3:00 AAP Presidential Address:**  
Jay Berkelhamer, Children's Healthcare of Atlanta, Atlanta, GA
- 3:35 Progression of Childhood and Adolescent Obesity Epidemic Halted in Arkansas?** Joseph W. Thompson, Jennifer L. Shaw, Pippa M. Simpson, Paula Card-Higginson. *Publication 6515.4*
- 3:50 Does the Medical Home Model of Care Improve Care for CSHCN? A Prospective Cohort Study.** David Wood, William Livingood, Nancy Winterbauer, Tao Hou, Edessa Jobli, Quimby McCaskill. *Publication 6515.5*
- 4:05 Antibiotics Potentially Used in Response to Bioterrorism and Major Congenital Malformations.** W.O. Cooper, S. Hernandez-Diaz, P.G. Arbogast, J.A. Dudley, S.M. Dyer, P.A. Gideon, K. Hall, H. Ding, W.A. Ray. *Publication 6515.6*
- 4:20 William A. Silverman, MD Lecture:  
Evidence-Based Ethics and the Care of the Extremely Premature Infant**  
Jon E. Tyson, UT Medical School at Houston, Houston, TX

*The Silverman Lecture is sponsored by the AAP Section on Perinatal Pediatrics*

3:30pm–5:30pm

### **6580 Acute and Chronic Pulmonary Complications in Children with Sickle Cell Disease**

PAS/ASPHO Topic Symposium ~ TCC, Room 715A

Target Audience: Critical care, pulmonology, cardiology, neurology and hematology.

Objective:

- Participants should be better able to describe the acute and chronic pulmonary complications of sickle cell disease, including pulmonary hypertension and how to provide an understanding of their pathophysiology and current treatment strategies

Chair: George R. Buchanan, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

Sickle Cell Anemia is associated with multi-organ disease, which contributes to premature morbidity and mortality from cardiac, CNS and respiratory complications. Recent studies have shed new light into basic mechanisms of SCA -related vasculopathy and how these changes lead to stroke, pulmonary hypertension, acute chest syndrome and chronic respiratory disease. This session will review these topics and discuss novel strategies to improve outcomes of children with SCA.

**3:30 Sickle Cell Pulmonary Hypertension: The Hemolysis-endothelial Dysfunction Syndrome**

Gregory Kato, National Heart, Lung and Blood Institute, Bethesda, MD

**4:10 The Acute Chest Syndrome of Sickle Cell Disease**

Charles T. Quinn, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

**4:50 Chronic Pulmonary Problems in Children with Sickle Cell Disease**

Julian L. Allen, Children's Hospital of Philadelphia, Philadelphia, PA

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

3:30pm–5:30pm

### **6585A Uncommon Histiocytic Disorders**

ASPHO Symposium ~ TCC, Room 718B

Objectives:

- Describe JXG, RDD and other uncommon histiocytic disorders
- Assess and evaluate patients with JXG and RDD
- Appropriately manage patients with JXG and RDD

Chair: James A. Whitlock, Vanderbilt University Medical Center, Nashville, TN

This session will provide attendees with current information about the less common histiocytic disorders which are likely to be encountered in their practices, including current information about juvenile xanthogranuloma (JXG), Rosai-Dorfman disease (RDD), and other uncommon histiocytic disorders.

- 3:30 Diagnostic Pathology of Uncommon Histiocytic Disorders**  
Ronald Jaffe, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 3:55 Juvenile Xanthogranuloma and Other Uncommon Histiocytic Disorders**  
Sheila Weitzman, Hospital for Sick Children, Toronto, Ontario, Canada
- 4:20 Rosai-Dorfman Disease**  
Kenneth L. McClain, Texas Children's Cancer Center at Baylor College of Medicine, Houston, TX
- 4:45 Central Nervous System Manifestations of Langerhans Cell Histiocytosis**  
**James A. Whitlock, Vanderbilt University Medical Center, Nashville, TN**
- 5:10 Difficult Histiocytosis Cases**  
Rima F. Jubran, Children's Hospital of Los Angeles, Los Angeles, CA

4:15pm–6:15pm

**6590 Filling in the Gaps in Pediatric Drug Therapy under the Best Pharmaceuticals for Children Act: The Example of Antihypertensive Medications**

PAS/ASPNI/PHA State of the Art Plenary ~ TCC, Room 716A

Target Audience: General pediatricians, pediatric cardiologists, intensivists and nephrologists.

Objectives:

- Identify drugs currently prescribed for children on which pediatric clinical trial data is needed
- Understand how clinical trial data in children is developed

Chairs: Donald L. Batsky, Columbus Children's Hospital, Columbus, OH; and Donald R. Mattison, National Institute of Child Health and Human Development, Bethesda, MD

Legislative initiatives beginning with the Food and Drug Modernization Act of 1997 have resulted in many clinical trials in children of medications that had not been previously studied in children. However, the incentives provided to industry under the auspices of the FDAMA do not apply to medications that have lost patent protection. The Best Pharmaceuticals for Children Act (BPCA) provides a mechanism for studying off-patent medications. Using the example of antihypertensive medications, this session will explore the mandate of the BPCA, the need for studying off-patent medications in children, and the success to-date of this process.

**4:15 Introduction**

Donald L. Batsky, Columbus Children's Hospital, Columbus, OH

**4:20 Mandates of the BPCA for Pediatric Drug Development**

Donald R. Mattison, National Institute of Child Health and Human Development, Bethesda, MD

**4:45 Why We Need to Study Off-patent Antihypertensive Medications**

Thomas G. Wells, University of Arkansas for Medical Sciences and Arkansas Children's Hospital, Little Rock, AR

**5:10 Mechanisms for Developing Clinical Trials Under the Auspices of the BPCA**

Perdita Taylor-Zapata, National Institute of Child Health and Human Development, Bethesda, MD

**5:35 Results of Pediatric Trials on Antihypertensive Drugs: The FDA Perspective**

Norman Stockbridge, Federal Drug Administration, Rockville, MD

**6:00 Discussion**

*Sponsored jointly by the American Society of Pediatric Nephrology, International Pediatric Hypertension Association and the Pediatric Academic Societies*

4:15pm–6:15pm

**6595 Global Priorities for Childhood Disease Control**

PAS/PGPR/PIDS State of the Art Plenary ~ TCC, Room 718A

Objectives:

- Understand global childhood disease control priorities
- Understand the role of researchers in alleviating diseases affecting millions of children

Chairs: Prabhat Jha, Editor, DCP2, and Canada Research Chair in Health and Development, University of Toronto, Ontario, Canada; and Alvin Zipursky, The Programme for Global Paediatric Research, The Hospital for Sick Children, Toronto, Ontario, Canada

This State of the Art Plenary will focus on child health in the context of the publication of the second edition of the seminal work "Disease Control Priorities in Developing Countries" (DCP2). This publication was funded in part by the Bill and Melinda Gates Foundation and was written with the involvement of the staff of the World Health Organization, the International Bank for Reconstruction and Development/World Bank, and the Fogarty International Center of the National Institutes of Health.

The session will begin with a discussion of programs for the control of childhood diseases in developing countries, followed by three presentations by the authors of paediatric-oriented chapters of DCP2.

**4:15 Opening Remarks**

Alvin Zipursky, The Programme for Global Paediatric Research, The Hospital for Sick Children, Toronto, Ontario, Canada  
Prabhat Jha, Editor, DCP2, and Canada Research Chair in Health and Development, University of Toronto, Canada

**4:25 Introduction**

Daniel Kraushaar, Interim Director, Global Health Strategies, Bill and Melinda Gates Foundation, Seattle, WA

**4:45 Stunting, Wasting and Micronutrient Deficiencies: Disease Burden and Interventions for Developing Countries**

Robert E. Black, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

**5:15 Addressing the Global Burden of Childhood Diarrhea: Challenges and Opportunities**

Zulfiqar A. Bhutta, The Husein Laljee Dewraj Professor & Chairman, Department of Paediatrics, The Aga Khan University, Karachi, Pakistan

**5:45 Newborn Survival and Health—Delivering the Future**

Joy Lawn, Saving Newborn Lives/Save the Children, Capetown, South Africa; and The Institute of Child Health, London, UK

*Sponsored jointly by the Programme for Global Paediatric Research, Pediatric Infectious Diseases Society and the Pediatric Academic Societies*

*Supported in part by an unrestricted educational grant from the University of Washington/Seattle Children's Hospital*

4:15pm–6:15pm

**6600 Healthcare for Immigrant Children**

PAS/PPC State of the Art Plenary ~ TCC, Room 801B

Target Audience: Clinicians, educators and researchers involved in the care of these populations.

Objectives:

- Understand the leading health issues faced by immigrant children and youth in the US and Canada
- Understand the scope of the Canadian National Immigrant Health Initiative
- Be able to identify potential funding sources and promising practices for providing language services to increase children's access to quality health care

Chair: Lisa Simpson, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

This panel session will explore the numerous issues entailed in addressing the health needs of immigrant children and youth in the US and Canada. Speakers will review what is known about the health of immigrant children, the barriers to care experienced by these children (including issues of language, culture, and race) and strategies to address these barriers and improve health for these children and their families. An overview of a National Immigrant Health Initiative will be provided with a special focus on children and adolescents. The initiative is assessing the health status and health care utilization patterns among Canadian immigrants using health and immigration data sources. Implications for practice and policy are discussed.

**4:15 Introduction**

Lisa Simpson, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

**4:30 Access, Quality and Safety of Care for Immigrant Children: Focus on Language**

Glenn Flores, Center for the Advancement of Underserved Children, Medical College of Wisconsin and Children's Research Institute, Milwaukee, WI

**5:00 Overcoming Language Barriers in Children's Access to Health Care**

Mara Youdelman, National Health Law Program, Washington, DC

**5:30 Canada's National Immigrant Health Initiative: Focus on Children and Adolescents**

Marie DesMeules, Public Health Agency of Canada, Center for Chronic Disease Prevention & Control, Ottawa, Ontario, Canada

**6:00 Discussion**

*Sponsored jointly by the Public Policy Council, the Public Policy Advocacy Committee of the Ambulatory Pediatric Association and the Pediatric Academic Societies*

4:15pm–6:15pm

**6605 Ventilator Induced Lung Injury (VILI) in the NICU and PICU**

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

Target Audience: Clinical fellows in pulmonology, critical care medicine and neonatology.

Objectives:

- Understand the pathophysiology of VILI
- Apply the lung protective strategies to pediatric patients
- Obtain useful tips for the research works

Chair: Brian P. Kavanagh, University of Toronto, Toronto, Ontario, Canada

Life-saving, mechanical ventilation can induce significant acute lung injury during the treatment of severe respiratory failure in newborns and older children. Over the past decade, new advances in ventilator strategies have improved outcomes, but many controversies persist because the most important data, those studies demonstrating an effect of mechanical ventilation on outcome, are from adult, not pediatric, patients. This symposium will discuss common lessons learned from approaches in the

NICU and PICU regarding the use of non-invasive ventilation, high frequency oscillation and other strategies.

**4:15 Lung Development and Susceptibility to Ventilator-induced Lung Injury**

Alik Kornecki, University of Western Ontario, London, Ontario, Canada

**4:40 Lung Recruitment: Basic Understanding and Clinical Controversies**

Peter C. Rimensberger, University Hospital of Geneva, Geneva, Switzerland

**5:05 HFOV in PICU: Basic Concepts, Lab Experience and the Clinical Reality**

Satoshi Nakagawa, National Center for Child Health and Development, Tokyo, Japan

**5:30 Nasal CPAP and Lung Protection**

Merran Ann Thomson, Queen Charlotte's and Chelsea Hospital, HHNT, London, UK

**5:55 Discussion**

*Sponsored jointly by the Asian Society of Pediatric Research and the Pediatric Academic Societies*

4:15pm–6:15pm

**6615 Infant Feeding: Initiation, Problems, Approaches**

PAS/NASPGHAN Topic Symposium ~ TCC, Room 801A

Target Audience: General pediatricians, neonatologists, pediatric gastroenterologists, pediatric psychologists.

Objectives:

- Understand the gut motility in the premature infant in relation to feeding and development of NEC
- Describe the development of oromotor function in relation to normal infant and toddler feeding
- Characterize the behavioral management of feeding disorders in toddlers (e.g. solid food aversion)
- Discuss the assessment and safety of oral feedings in the neurologically-impaired child

Chairs: B Li, Children's Hospital of Wisconsin, Medical College of Wisconsin, Milwaukee, WI; and John Udall, West Virginia University, Charleston, WV

This symposium will focus on the four aspects of infant feeding including its initiation in the premature infant, the normal development of oromotor function, the behavioral management of feeding disorders and the approach to the feeding of the neurologically-impaired child. First, the development of gut motility in the premature infant and its relationship to enteral tolerance and development of NEC will be reviewed. Second, the development of oromotor function and its implications for normal feeding function in infants and toddlers will be covered. Third, the behavioral out- and in-patient management and outcomes of toddler feeding disorders (e.g. solid food aversion) will be reviewed. Finally, the feeding issues of the neurologically-impaired child will be reviewed with regard to assessment (e.g. video swallow studies) and safety of oral feedings.

**4:15 Gut Motility and Enteral Feeding Tolerance in Premature Infants**

Sudarshan R. Jadcherla, Ohio State University, Columbus Children's Hospital, Columbus, OH

**4:40 Development of Oral Sensorimotor Skills in Infancy**

Joan C. Arvedson, Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee, WI

**5:05 Behavioral Treatment of Feeding Disorders**

Tom Linscheid, Ohio State University, Columbus, OH

**5:30 Feeding Issues in the Disabled Child**

Colin D. Rudolph, Medical College of Wisconsin, Milwaukee, WI

**5:55 Discussion**

*Sponsored jointly by the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition and the Pediatric Academic Societies*

4:15pm–6:15pm

**6620 Ischemic Preconditioning**

PAS/ASPN Topic Symposium ~ TCC, Room 716B

Target Audience: Physicians, scientists and trainees with interest in pediatric cardiology, neurology, neonatology and nephrology.

Objective:

- Understand the molecular basis and clinical implications of ischemic preconditioning

Chair: Laura Ment, Yale University School of Medicine, New Haven, CT

This topic symposium is directed towards educating interested members about the state-of-the-art in ischemic preconditioning, both from the basic and translational points of view. The discussion will range from the effects of ischemic preconditioning in animal models and cell culture systems vis a vis specific organs (brain, kidney) to a clinical trial of remote ischemic preconditioning and outcomes from cardiac surgery in children

**4:15 Ischemic Preconditioning and Neurologic Injury**

Donna M. Ferriero, University of California, San Francisco, San Francisco, CA

**4:40 (Cancelled) Remote Ischemic Preconditioning Prior to Cardiac Surgery**

Andrew N. Redington, The Hospital for Sick Children, Toronto, Ontario, Canada

**5:05 Ligands and Receptors Mediating Ischemic Preconditioning**

Garrett J. Gross, Medical College of Wisconsin, Milwaukee, WI

**5:30 Renal Ischemic Preconditioning**

Joseph V. Bonventre, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

**5:55 Discussion**

*Sponsored jointly by the American Society of Pediatric Nephrology and the Pediatric Academic Societies*

4:15pm–6:15pm

**6625 New Insights into Thyroid Disorders**

PAS/LWPES Topic Symposium ~ TCC, Room 717AB

Target Audience: Neonatologists, pediatric endocrinologists, general pediatricians, intensivists.

Objectives:

- Understand recent advances in the management of an infant with congenital thyroid disease
- Become cognizant of the genetic etiologies of congenital hypothyroidism
- Interpret thyroid function tests in the preterm and newborn infant
- Appreciate the controversies concerning the management and follow-up of hypothyroxinemia in preterm infants

Chairs: Rosalind Brown, Children's Hospital, Boston, MA; and Stephen Huang, Children's Hospital, Boston, MA

Recent advances in the molecular and cellular basis of thyroid action have enabled unique insights into the etiology of congenital hypothyroidism and the pathophysiology of thyroid abnormalities encountered in the NICU and PICU. This symposium will address the impact of recent advances in the biology of the thyroid gland and thyroid hormone action on the practice of neonatology and pediatrics.

**4:15 Genetics and Epigenetics of Congenital Hypothyroidism**

Guy Van-Vliet, University of Montreal, Montreal, Quebec, Canada

**4:55 Deiodinases and Thyroid Hormone Transporters**

Antonio C. Bianco, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

**5:35 Hypothyroxinemia in the Preterm Infant**

Robert H. Hume, University of Dundee, Ninewells Hospital and Medical School, Dundee, Scotland, UK

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

4:15pm–6:15pm

**6627 Eating Disorders Among Adolescents: Recent Advances in Management and Treatment**

PAS/LWPES/SAM Mini Course ~ TCC, Room 715B

Target Audience: General pediatricians, adolescent medicine specialists, endocrinologists, psychiatrists and mental health providers.

Objectives:

- Understand current epidemiology, etiologic theories and general assessment and management of the common eating disorders seen in adolescents
- Evaluate adolescents with eating disorders for bone health problems and develop plans for management
- Understand the role of families in eating disorders and the current types of family therapies useful in managing eating disorders

Chair: Debra Katzman, The Hospital for Sick Children and University of Toronto, Toronto, Ontario, Canada

This mini-course will address our current understanding of the epidemiology, etiology and management of the range of eating disorders seen among adolescents, focusing on anorexia nervosa and bulimia. It will address the most current evidence concerning etiology, prevalence and prognosis. There will be a specific focus on bone health in anorexia and the current strategies for assessment and management of bone disorders seen in anorexia. Finally, there will be a discussion of the role of family and family therapy in the treatment of eating disorders, with specific mention of the newer Maudsley method of family therapy. This mini-course should be of interest to primary care as well as subspecialty pediatricians and mental health providers who see adolescents presenting with the spectrum of eating disorders.

**4:15 Overview of Evidence-based Understanding of Eating Disorders**

Richard E. Kreipe, University of Rochester School of Medicine, Golisano Children's Hospital at Strong University, Rochester, NY

**4:50 Bone Health and Eating Disorders: Update on Assessment and Management**

Madhusmita Misra, Massachusetts General Hospital, Boston, MA

**5:25 The Role of Family and Family Therapy in Eating Disorders**

James Lock, Stanford University School of Medicine and Lucile Salter Packard Children's Hospital at Stanford, Stanford, CA

**6:00 Panel Discussion**

*Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society, Society for Adolescent Medicine and the Pediatric*

Academic Societies

4:15pm–6:15pm

**6700 Behavioral/Developmental Pediatrics**

PAS Platform Session ~ TCC, Room 107

Chairs: Benard P. Dreyer and Robert G. Voigt

- 4:15 \*** **Language Processing in Childhood as a Correlate of Adolescent Problem Behavior.** Sabrina Ford, Martha Farah, David Shera, Hallam Hurt. *Publication 6700.1*
- 4:30** **'Too Much TV' as a Marker for Adversity in the Lives of Kindergarten Children.** Robert S. Byrd. *Publication 6700.2*
- 4:45 \*** **Predicting School Readiness from Two-Year Neurodevelopmental Assessments.** Athena I. Patrianakos, Michael E. Msall, Jeremy D. Marks, Karen Mestan, Dezheng Huo, Grace Yoon, Michael D. Schreiber. *Publication 6700.3*
- 5:00 \*** **How Much School Recess Are Our Children Having?** Romina M. Barros, Ruth E. Stein. *Publication 6700.4*
- 5:15 \*** **Repeating Kindergarten or 1st Grade: Does This Delay Appropriate Intervention?** Nicole Guppy, Michael Silverstein, Robin Young, Marilyn Augustyn. *Publication 6700.5*
- 5:30** **Drug Endangered Children in Protective Custody: What Are Their Characteristics?** Deborah C. Stewart, Kristen K. Rogers. *Publication 6700.6*
- 5:45** **Long-Term Sleep, Behavior, and Maternal Mental Health Impacts of a Population-Based Infant Sleep Intervention: Cluster Randomised Trial.** Hiscock Hiscock, Melissa Wake, Jordana Bayer, Anne Hampton, Obioha C. Ukoumunne. (Sponsored by Frank Oberklaid) *Publication 6700.7*
- 6:00** **A Randomized Controlled Trial of SSRIs in Pediatric Autism.** Sunita Vohra, Denise Adams, Ben Vandermeer, Rebecca Baatjes, Caroline Roncadin, Wendy Roberts. *Publication 6700.8*

4:15pm–6:15pm

**6705 General Pediatrics III (Smoking/Asthma)**

PAS Platform Session ~ TCC, Room 105

Chairs: Katherine A. Poehling and Paul C. Young

- 4:15** **Counseling and Perceived Control over No Smoking Policies in Homes and Cars.** Jonathan P. Winickoff, Susanne E. Tanski, Robert C. McMillen, Jonathan D. Klein, Michael Weitzman, Dana Best. *Publication 6705.1*
- 4:30** **Racial/Ethnic Differences in the Association between Family Interaction and Smoking Initiation.** Melinda Mahabee-Gittens, Jane Khoury, Bin Huang, Judith Gordon. *Publication 6705.2*
- 4:45** **Beliefs about the Health Effects of Thirdhand Smoke Are Associated with Attitudes about Banning Smoking in Public Places.** Joan Friebely, Robert C. McMillen, Susanne E. Tanski, Jonathan P. Winickoff. *Publication 6705.3*
- 5:00 \*** **Missed Opportunities To Protect Children from Secondhand Smoke (SHS) in Their Homes.** Hsiang S. Yin, Jonathan P. Winickoff, George E. Fryer, Thomas Miyoshi, Michael Weitzman. *Publication 6705.4*
- 5:15** **Safety of Intermittent High-Dose Fluticasone vs. Placebo in Young Children with Viral-Induced Asthma: A Multicentre Randomized Controlled Trial.** Francine M. Ducharme, Chantal Lemire, Francisco J. Noya, Michael G. Davis, Nathalie Alos, Helene Leblond, Cheryl Savdie, Jean-Paul Collet, Georges Rivard, Robert W. Platt. *Publication 6705.5*
- 5:30** **Effects of Pediatric Asthma Education on Emergency Department Visits and Hospitalizations: A Meta-Analysis.** Janet M. Coffman, Michael D. Cabana, Helen A. Halpin, Edward H. Yelin. *Publication 6705.6*
- 5:45** **Child Report of Asthma Health Status: A Comparison of Survey Administration Methods.** Linda Radecki, Lynn M. Olson, Mary Pat Frintner. *Publication 6705.7*
- 6:00** **Clinical Quality Measures for Pediatric Inpatient Asthma Care.** Flory Nkoy, Bernhard Fassel, Bryan Stone, Rajendu Srivastava, Per Gesteland, Gena Fletcher, Alice Dowline, Tamara Simon, Christopher Maloney. *Publication 6705.8*

4:15pm–6:15pm

**6710 Health Services Research II**

PAS Platform Session ~ TCC, Room 205D

Chairs: Matthew M. Davis and Alex R. Kemper

- 4:15** **ED Phone Home: A Prospective Randomized Intervention To Decrease Repeat Emergency Department Visits.** Andrew D. Racine, Elizabeth M. Alderman, Jeffrey R. Avner. *Publication 6710.1*
- 4:30** **When Children Lose Public Health Insurance.** Suk-fong S. Tang. (Sponsored by Lynn Olson) *Publication 6710.2*
- 4:45** **Which Babies Most Need Treatment for Jaundice?** Thomas B. Newman, Michael W. Kuzniewicz, Petra Liljestrand, Soora Wi, Charles M. McCullough, Gabriel J. Escobar. *Publication 6710.3*
- 5:00** **Trends in Otitis Media Treatment Failure and Relapse.** Colin M. Sox, Jonathan A. Finkelstein, Ruihua Yin, Ken Kleinman, Tracy A. Lieu. *Publication 6710.4*

- 5:15** **Developing a Diagnosis-Based Severity Classification System for Use in Emergency Medical Systems for Children.** Evaline A. Alessandrini, Elizabeth R. Alpern, James M. Chamberlain, Marc H. Gorelick. *Publication 6710.5*
- 5:30** **Characteristics of Children in High-Deductible Health Plans.** Alison A. Galbraith, Dennis Ross-Degnan, Stephen B. Soumerai, Irina Miroshnik, Frank Wharam, Tracy A. Lieu. *Publication 6710.6*
- 5:45** **A Tiered Intervention To Increase Infant Preventive Health Care Outcomes.** Simon Hambidge, Stephanie Phibbs, Vijayalaxmi Chandramouli, Silvia Floyd Gutierrez. *Publication 6710.7*
- 6:00** **Quality of Primary Care and Subsequent Pediatric Emergency Department Utilization.** David C. Brousseau, Raymond G. Hoffmann, Ann B. Nattinger, Glenn Flores, Yinghua Zhang, Marc H. Gorelick. *Publication 6710.8*

4:15pm–6:15pm

### **6715 Intrauterine & Extrauterine Environmental Influences on Developmental**

PAS Platform Session ~ TCC, Room 705

Chairs: T. Michael O'Shea and Barbara K. Schmidt

- 4:15** **Effects of Intrauterine and Postnatal Growth on Neurocognitive Development at 5.7 Years Corrected Age in Very Low Birth Weight (VLBW) Infants.** Jochen Steinmacher, Frank Pohlandt, Harald Bode, Walter A. Mihatsch, Martina Kron, Silvia Sander, Axel R. Franz. *Publication 6715.1*
- 4:30** **Neonatal and 18-Month Neurodevelopmental Outcomes of VLBW Infants with Histologic Chorioamnionitis.** Leonora Hendson, Abdelazim Abdalla, Laurie Russell, Charlene M. Roberston, Thierry Lacaze-Masmonteil. *Publication 6715.2*
- 4:45** **Longitudinal Study of Visual Attention in Prenatally Cocaine-Exposed Children and Adolescents.** Emmalee S. Bandstra, Veronica H. Accornero, Connie E. Morrow, Lihua Xue, Gregory R. Simpson, Manya K. Glavach, James C. Anthony. *Publication 6715.3*
- 5:00 \*** **Lifelong Exposure to Neighborhood Poverty and Infant Low Birth Weight among First Generation US-Born Mexican-American Women: A Population-Based Study.** Julie D. Watson, Kristin Rankin, Lisette Robledo, Krissy Lee, R.J. David, James W. Collins, Jr. *Publication 6715.4*
- 5:15 \*** **Testing a Maternal Developmental Origins Conceptual Model of African-American Infant Low Birth Weight.** Jennifer Reilly, Julie D. Watson, Kristin Rankin, R.J. David, James W. Collins, Jr. *Publication 6715.5*
- 5:30 \*** **Neonatal Infections and Neurocognitive Outcome at the Corrected Age of 2 Years in the Randomized Controlled Trial of Neonatal Glutamine-Enriched Enteral Feeding.** Annelies van Zwol, Anemone van den Berg, Jaap Huisman, Jeroen R. Vermeulen, Willem P.F. Fetter, Jos W.R. Twisk, Ruurd M. van Elburg. *Publication 6715.6*
- 5:45** **High Rates of Asthma among Extremely Low Birth Weight Children (< 1 kg): Sociodemographic and Perinatal Correlates.** Gulgun Yalcinkaya, Laura Andreias, Dennis Drotar, Richard Martin, Mark Schluchter, Deanne Wilson-Costello, Maureen Hack. *Publication 6715.7*
- 6:00** **Is Fetal Life Riskier Than Neonatal Life? Jagjit Teji, William Meadow. *Publication 6715.8***

4:15pm–6:15pm

### **6720 Neonatal Infection Disease**

PAS/PIDS Platform Session ~ TCC, Room 707

Chairs: Morven S. Edwards and Adam J. Ratner

- 4:15** **Prevalence and Characteristics of Human Metapneumovirus (hMPV) Infection among Hospitalized Children at High Risk for Severe Lower Respiratory Illnesses (LRI).** Ram Yogev, Pedro Piedra, Robert Wellivert, Jim Buttery, Margarita Gomez, Genevieve Losonsky. *Publication 6720.1*
- 4:30** **Congenital Cytomegalovirus (CMV) Infection in Newborns Born of HIV Infected Women on Antiretroviral Therapy (ART/HAART).** Gabriele Ferraris, Lorenza Pugni, Sandro Binda, Sonia Montella, Maria Cristina Casciati, Maria Barbi, Fabio Mosca. *Publication 6720.2*
- 4:45 \*** **Neuropathology in Congenital LCM Virus Infection Is Virus-Mediated and Immune-Mediated.** Glenda Rabe, Jolonda Mahoney, Bahri Karacay, Daniel Bonthius. *Publication 6720.3*
- 5:00 \*** **Positive Effect of the Severe Acute Respiratory Syndrome (SARS) Epidemic on Late-Onset Sepsis in a Singaporean NICU.** Krishnamoorthy Niduvaje, Jiun Lee. (Sponsored by Rakesh Sahni) *Publication 6720.4*
- 5:15** **The GTP-ase Rsr1p in *Candida albicans* Affects Intestinal Colonization, Systemic Virulence, and Tissue Fungal Morphology in the Mouse.** C. Bendel, M.A. Johnson, C. Gale, C. Wells. *Publication 6720.5*
- 5:30** **Update on Antifungal Sensitivities of Fungal Isolates in High-Risk Preterm Infants Exposed to Fluconazole Prophylaxis in a Neonatal Intensive Care Unit over an 8-Year Period.** David Kaufman, R. Boyle, M. Tran, M. Williams, L.B. Grossman, K.C. Hazen. *Publication 6720.6*
- 5:45** **Effect of Human Single Chain Variable Fragments (scFv) Specific to the *Candida albicans* Adhesin, Als3, on Adherence to Endothelial Cells.** Joseph M. Bliss, Sonia S. Laforce-Nesbitt. *Publication 6720.7*
- 6:00** **Neurodevelopmental Outcome of Neonatal Candidiasis: A Case Control Study.** Karel K. O'Brien, Kim Simpson, Joan Robinson, H. Dele Davies, Michelle Barton, Elizabeth Asztalos, Susan E. Richardson. *Publication 6720.8*

4:15pm–6:15pm

## 6725 Neonatal Potpourri: Old Diseases, New Insights

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 4:15pm–4:45pm

Discussion: 4:45pm–6:15pm

Chairs: Ann R. Stark and David K. Stevenson

- 1\* **Billirubin-Induced Cell Death in Human CHP212 Neuroblastoma Cells.** Odette G. Besancon, Thor W.R. Hansen, Rolf D. Pettersen. *Publication 6725.1*
- 2\* **Ursodeoxycholic Acid Treatment for Unconjugated Hyperbilirubinemia: Promising Results in Gunn Rats.** FJC Cuperus, A.M. Hafkamp, R. Havinga, J. Zelenka, M. Jirsa, C. Tiribelli, J.D. Ostrow, H.J. Verkade. *Publication 6725.2*
- 3\* **Inhibition of Heme Oxygenase Activity in Newborn Mice by Azalanstat.** Takeshi Morisawa, Ronald J. Wong, Vinod K. Bhutani, Hendrik J. Vreman, David K. Stevenson. *Publication 6725.3*
- 4 **Inhibition of Histone Deacetylation by Valproic Acid or Trichostatin A Permits Alveolar Formtion in Preterm Lambs Managed for 3 Days by Mechanical Ventilation.** K.H. Albertine, S. Amundsen, J. Alvord, L. Dong, Z. Wang, M.J. Dahl, R.A. McKnight, R.M. Ward, B.A. Yoder, D.M. Null, R.H. Lane. *Publication 6725.4*
- 5 **Response of Lung Fetal Type II Epithelial Cells to Injury Induced by Mechanical Distension.** Hyeon-Soo Lee, Yulian Wang, Benjamin S. Maciejewski, Christiaan Fulton, Juan Sanchez-Esteban. *Publication 6725.5*
- 6 **Bleomycin Injury in Transgenic Mice with Macrophage-Specific Overexpression of the Hyaluronan (HA) Receptor RHAMM Is Associated with Increased Lung HA, Inflammation and Respiratory Distress.** Rashmin C. Savani, Zheng Cui, Jie Liao, Emily Goulet, Hengjiang Zhao, Horace M. DeLisser. *Publication 6725.6*
- 7 **Phosphodiesterase-4 Inhibition Attenuates Pulmonary Fibrin Deposition and Prolongs Survival in Neonatal Hyperoxic Lung Injury.** Gerry T. Wagenaar, Yvonne P. de Visser, El H. Laghmani, Simone A. ter Horst, Simone van Wijngaarden, Kimberly Nieuwland, Frans J. Walther. *Publication 6725.7*
- 8 **Apoptosis and Chromatin Structure Are Altered in Hippocampal Cells of Preterm Lambs Managed for 3 Days by Mechanical Ventilation vs Nasal Continuous Positive Airway Pressure.** J. Alvord, L. Dong, M.J. Dahl, C. Callaway, R.A. McKnight, B.A. Yoder, D.M. Null, R.H. Lane, K.H. Albertine. *Publication 6725.8*
- 9\* **Reoxygenation with 100% Oxygen in Hypoxic Neonatal Mice Increases NF- $\kappa$ B Activity in the Brain.** Hans Henrik Odland, Ann Lisbeth Nesse, Irena Stucin Gantar, Gaute Dohlen, Harald Carlsen, Rune Blomhoff, Erik Thaulow, Ola Didrik Saugstad. *Publication 6725.9*
- 10 **NMDA Receptors Are Implicated in the Pathogenesis of White Matter Injury in a Rat Pup Model of Periventricular Leukomalacia.** Simon M. Manning, Debra B. Selip, Li An, Hyun K. Park, Chang J. Park, Delia M. Talos, Joseph J. Volpe, Frances E. Jensen. *Publication 6725.10*
- 11 **GABA-B Receptors: Potential New Players in Remyelination in the Developing Brain.** K. Luyt, T.P. Slade, J.J. Dorward, C.F. Durant, Y. Wu, R. Shigemoto, S.J. Mundell, A. Varadi, E. Molnar. (Sponsored by Marianne Thoresen) *Publication 6725.11*
- 12 **Hypoxia/Reoxygenation Decreases Myogenic Response of Isolated Cerebral Arteries: Role of Sensory C-Fibers.** Hui Xie, Billie Lou Short. *Publication 6725.12*

4:15pm–6:15pm

## 6730 Nephrology II

PAS/ASPEN Platform Session ~ TCC, Room 713AB

Chairs: John J. Bissler and Raoul D. Nelson **4:15 The Role of Alpha-Catenin in Early Kidney Development.** Michael R. Bendel-Stenzel, Elizabeth Chrans, David A. Largaespada. *Publication 6730.1*

**4:30 \* The BMP Receptor, ALK3, Controls Murine Nephrogenesis.** Valeria DiGiovanni, Norman D. Rosenblum. *Publication 6730.2*

SPR Fellow Basic Award Recipient  
Darren Bridgewater

**4:45 \* Beta-Catenin Controls Renal Branching Morphogenesis in a Dose-Dependent Manner.** Darren Bridgewater, Norman D. Rosenblum. *Publication 6730.3*

**5:00 \* The Ureteric Bud Retains Inductive Potential Following the Cessation of Nephrogenesis.** Hsiao L. Lai, Larry T. Patterson. *Publication 6730.4*

ASPEN Trainee Award in Basic Research Recipient  
Amit Dagan

**5:15 \* Prenatal Programming of Rat Proximal Tubule Na/H Exchanger.** Amit Dagan, Jyothsna Gattineni, Michel Baum. *Publication 6730.5*

**5:30 \* Angiotensin AT1 Receptor Inhibition Aggravates Renal Injury Resulting from Partial Unilateral Ureteral Obstruction in the Neonatal Rat.** Christopher M. Coleman, Jordan J. Minor, Laura E. Burt, Barbara A. Thornhill, Michael S. Forbes, Robert L. Chevalier. *Publication 6730.6*

**5:45 Preventable and Irreversible Renal Injury Following Relief of Partial Unilateral Ureteral Obstruction (UUO) in the Neonatal Mouse.** Barbara A. Thornhill, Michael S. Forbes, Elizabeth S. Marcinko, Robert L. Chevalier. *Publication 6730.7*

SPR House Officer Research Award Recipient  
David S. Hains

**6:00 \* Deletion of FGFR2 from the Metanephric Mesenchyme Results in Ectopic Ureteric Bud Induction and Vesicoureteral Reflux.** David S. Hains, Kayle Kish, Carl Bates. *Publication 6730.8*

5:00pm–7:00pm

**6900 APA Business Meeting, Armstrong Lecture and Awards**

TCC, Room 106

### Armstrong Lecture

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

#### Thomas G. DeWitt

Carl Wehl Professor and Director, Division of General and Community Pediatrics, Associate Chair for Education and Primary Care, Department of Pediatrics, Cincinnati Children's Medical Center, Cincinnati, OH

### Health Care Delivery Award

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

#### Shannon Thyne

University of California San Francisco, San Francisco, CA

### Ludwig–Seidel Award

*Presented by the Ambulatory Pediatric Association*

*Special Interest Group on Pediatric Emergency Medicine*

This award recognizes the abstract that represents the best research project in pediatric emergency medicine by a PEM fellow.

#### **The Utility of Bedside Ultrasonography in Identifying Fractures and Guiding Fracture Reduction in Children.**

Darshan Patel, Jacobi Medical Center, Bronx, NY

Abstract Number: 7909.12

The Ludwig–Seidel Award abstract will be presented as a poster during Poster Session III on Monday, May 7, Board #151.

### APA Miller–Sarkin Mentoring Award

The APA Miller-Sarkin Mentoring Award will be awarded to Lewis First, University of Vermont College of Medicine, Burlington, VT.

### National Pediatric Community Teaching Award

*Presented by the APA Special Interest Group for*

*Community-Based Physicians*

The National Pediatric Community Teaching Award honors the career of a community-based pediatrician who has performed meritoriously in the area of teaching residents and medical students in the ambulatory setting. *Supported by a grant from Mead Johnson Nutritionals.*

#### Denice Cora-Bramble

Executive Director of the Diana L. and Stephen A. Goldberg Center for Community Pediatric Health, Children's National Medical Center, Washington DC

*The National Pediatric Community Teaching Award will be presented on Sunday, May 6 during the APA Special Interest Group for Community-Based Physicians.*

### Public Policy and Advocacy Award

The purpose of this award is to recognize the cumulative contributions of an individual, pediatric department, or program whose public policy and advocacy efforts at the state, regional, national, or international level have improved the health and well-being of infants, children, and/or adolescents.

**Steve Berman**

Children's Hospital Denver, Denver, CO

**Research Award**

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

**Tracy Lieu**

Harvard Pilgrim Health Care & Medical School

**Ray E. Helfer Award for Innovation in Pediatric Education**

Ray E. Helfer was an esteemed pediatric educator, child advocate and past President of the Ambulatory Pediatric Association. He was a professor of pediatrics and human development at Michigan State University. The purpose of the award is to recognize creative, scholarly work in pediatric education that is described in a paper submitted for the Annual Meeting. *The Ray E. Helfer Foundation for Children and Families provides financial support for this award.*

**Effects of the World Health Organization (WHO) Essential Newborn Care Training Course on Early Neonatal Mortality by Level of Maternal Education.**

Elwyn Chomba, University of Zambia – Lusaka, Zambia

Abstract Number: 6070.8

This Ray E. Helfer Award abstract will be presented on Sunday, May 6 during the Global Pediatric Research I Poster Symposia at 8:00am.

**Teaching Procedural Skills to Pediatric Residents: A Randomized Interventional Trial.**

Michael Gaies

Abstract Number: 7550.3

This Ray E. Helfer Award abstract will be presented on Monday, May 7 during the APA Presidential Plenary at 2:15 pm.

6:15pm–7:15pm

**6990A Neonatal Sepsis Club: Fungal Prophylaxis in the NICU: A Candid(a) Debate**

TCC, Room 707

**6:15 Introduction**

Kelly Cant Wade, Children's Hospital of Philadelphia, Philadelphia, PA

**6:20 PRO:**

David A. Kaufman, University of Virginia Children's Hospital, Charlottesville, VA

**6:35 CON:**

Daniel K. Benjamin, Duke University, Durham, NC

**6:50 Discussion and Debate with expert panel and audience**

*Supported in part by an unrestricted educational grant from Ovation Pharmaceuticals*