Wednesday, May 17

4:00PM Research Seminar:
Department of Pediatrics and
College for Public Health & Social Justice
The Opioid Epidemic and Youth Education Union Auditorium - Medical Campus

Guest Speaker: Sharon Levy, MD, MPH

Thursday, May 18

Research Symposium
Learning Resource Center (LRC) - Medical Campus

07:30 AM Breakfast
07:45 Welcome: Robert W. Wilmott, MD
IMMUNO Professor and Pediatrics Chair
Opening Remarks: Kevin Behrens, MD
Vice President for Medical Affairs and
Dean of the SLU School of Medicine
Introduction: Joyce Marie Koenig, MD
Professor, Pediatrics, Molecular Microbiology & Immunology;
Director, Pediatric Science Days 2017

PLATFORM SESSIONS - Pitlyk A

1. Basic Sciences
Moderator: Adriana Montano, PhD (Medical Genetics)
8:00 Treatment of Acute Leukemia by Small Molecule Modulation of the G Protein Estrogen Receptor, Gper (Gpr30)
C. DeLeon, M. Wilhelm, C. Arnat
8:15 Preserved Gut Microbial Diversity Accompanies Upregulation of TGR5 and Hepatobiliary Transporters in Bile Acid Treated Animals on Parenteral Nutrition
A. Jain
8:30 Controlling T Cell Development and Function via Innate Toll-Like Receptor Signaling for Autoimmune Therapy
8:45 Mucopolysaccharidosis IVA: Cardiovascular Disease and Outcomes After Enzyme Replacement Therapy
A. Montano, V. Wall, N. Movsesyan, D. Dangel, N. Evanoff, R. Garrett, R. Christensen, D. Boylan, S. Bradbock, Q. Gan, R. Wang
9:00 Enteral Iron Supplementation Increases Erythropoiesis in Preweaning Wild Type and Tmprss6 Knockout Mice
9:15 PO and ID BCG Vaccination in Humans Induce Distinct Mucosal and Systemic Immune Response and CD4+ T Cell Transcriptional Molecular Signatures
9:30 Characterization of a Mycobacteria-Specific T Memory Cell with a Naive Phenotype
J. Yuen, C. Eickhoff, A. Blazevic, D. Hoft, S. Chatterjee

2. Clinical
Moderator: Noah Hillman, MD (Neonatology)
10:00 Surfactant Plus Budesonide Effects on Lung Injury and Maturation in Preterm, Fetal Lambs
10:15 The Cost and Resource Burden of Infections with Rhinovirus/Enterovirus, Influenza, and Respiratory Syncytial Virus in Children
J. Fine, A. Bray-Ashendenner, H. Williams, J. Werner
10:30 Inclusive Development of a Clinic to Community Model to Identify and Address Food Insecurity Within a Pediatric Clinical Setting
E. Barnidge, N. LaBarge, J. Arthur, K. Krupsky
10:45 Individual Health Plan - A Simplifying Tool for Medically Complex Patients
S. Skokien, E. Bergamini, D. Halloran, A. Tanios
11:00 A Xenograft Model of Facioacapulohumeral Muscular Dystrophy
S. Tai, J. Oliva, M. Campbell, F. Sverdlov
11:15 Improving HPV Vaccination Rates in the Adolescent Population
R. Han, S. Kopyas, S. Rohe, S. Heaney
11:30 Activation of a Cell Intrinsic Immune Response in Progeria
E. Cybulsky, R. Kreienkamp, G. Bedía-Díaz, S. Graziano, A. Vindigni, S. Gonzalo

3. Outcomes/Epidemiology/Other
Moderator: Robert Fleming, MD (Neonatology)
12:45 Life Satisfaction as a Predictor of Alcohol, Tobacco, and Marijuana Use in School-Aged Children
D. Lew, H. Xian
1:00 Charge Syndrome: The Importance of Inner Ear MRI and CHD7 Testing for Diagnosis as the Dysmorphology is Not Always Obvious
M. Hefner
1:15 Maternal Attitudes on Consent for Neonatal Delivery Room Studies
J. Strand, C. Miller, R. Carriere, C. Carter, K. Matthews
1:30 Evaluation of Text Messaging as an Educational Method to Improve Healthcare Utilization
1:45 Poverty and Preconception Health Care: What are the Barriers?
C. Xaverius, D. Scharff, M. Dorsey
2:00 Dental Visits in Women at Various Levels of Risk for Unintended Pregnancy
B. Tobo, P. Xaverius, L. Hinyard, M. Vaughn, M. Schootman
2:15 A New Classification of Three-Dimensional Printing Technologies: Systematic Review of 3DP for Patient-Specific Cranioaxifacial Surgery
C. Jacobs, A. Lin

2:30 – 2:45 PM Coffee Break

Award presentation for Best Trainee and Best Overall Presentation at 4:00 pm in Pitlyk Auditorium.

2:45 – 4:00 PM POSTER PRESENTATIONS
Facilitators:
Robert Brooker, MD (Neonatology)
Aaron Miller, MD (Infectious Disease)
Anthony Scalzo, MD (Toxicology)
Barbara Whitman, PhD, MSW (Pediatrics)

1. Twenty-One Year Trends in the Treatment of Pediatric Acute Severe Asthma by Pediatric Emergency Medicine and Critical Care Program Directors

2. Clinical Tool to Predict Prolonged Hospital Stay in Pediatric Patients with Appendicitis
F. Badru, Y. Puckett, N. Pieing, E. Chang, G. Spinner, J. Greentizon, C. Fitzpatrick, G. Villalona, D. Vane, K. Chattoorong

3. Imaging for Acute Appendicitis at Non-Pediatric Centers
Exposes Children to Excess Radiation
F. Badru, Y. Puckett, N. Pieing, J. To, P. Xu, C. Fitzpatrick, K. Chattoorong, G. Villalona, J. Greenspoon

4. Complicated Appendicitis Outcomes in Children: Timing of Appendectomy and Complications
F. Badru, Y. Puckett, N. Pieing, J. Greenspoon, K. Chattoorong, C. Fitzpatrick, G. Villalona

5. Imaging Review of Interrupted Aortic Arch: A Pictorial Review
J. Bassuner, N. Moritz, N. Parkar, S. Farmakis

6. Enhancing Morning Report at a Pediatric Academic Institution
J. Buehler, E. Bergamini, M. Shildt, P. Buchanan, D. Halloran, A. Tanios

7. Donor Management Goals Used by High-Performing Organ Procurement Organizations During Pediatric Organ Donor Management
M. Clark, R. Ream, E. Armbrecht

8. Determinants of Decision-Making of Illicit Drug Screens in Pregnant Women and Differences by Race
J. Faust, J. Schroeder, S. Mais, P. Xaverius, D. Halloran

9. The Relationships of Early Class Start Times on Sleepiness and Driving Behaviors in a Teenage College Student Population
J. Fry, N. Weaver

10. When the Well Child Doesn’t Show for the Well Visit
A. Hamilton, G. LaBarge

11. A Vegan Diet Causing Intensive Care Unit Admissions
A. Heard, A. Tanios

12. Charge Syndrome Clinical Database Project (CSCDP): ENT Findings are Common and Affect Development
M. Hefner

13. Parent Opinions on Venipuncture and Patient Distress in Children with Neurodevelopmental Disorders
J. Holbud, D. Smith, K. Tympan

14. Characteristics of Parental Refusal of Newborn Vitamin K Administration
H. Williams, C. Salle, D. Halloran

15. Energy Flow in Youth Baseball Players in Relation to Pitching Performance and Efficiency
J. Howenstein, K. Kipp, M. Sabick

16. Reality Unraveled Through Camera Lenses: Environment as a Key Is the Increased Infant Mortality in St. Louis City
V. Kakarla, A. Nyigena, P. Xaverius, D. Kiel, E. Banard

17. Improving Food Insecurity Screening Methods in a Primary Care Setting
L. Lambeth, K. Krupsky, J. Arthur

18. Hypoglycemia and Altered Mental Status- An Atypical Presentation
N. Le, J. Gerard, A. Scalzo

19. Prospective Evaluation of Guardian & Staff Satisfaction with the Use of an Emergency Department Subcutaneous Rehydration Clinical Practice Guideline
N. Le, J. Gerard, A. Nakanishi
20. Evans Syndrome, Systemic Lupus Erythematosus, and Neurofibromatosis: An Unusual Combination in Pediatric Case
   A. Lindley, A. Dalrymple, L. Dolatshahi

21. Three Cases of Severe Infantile Kawasaki Disease and Review of Extra-Cardiac Sequelae C. Maguire

22. Utility of Chest Radiographs in Pediatric Patients Presenting to a Pediatric Emergency Department with Acute Asthma Exacerbation and Chest Pain C. Majerus, J. Gerard, T. Tredway

23. Cryogel Scaffolds from Patient-Specific 3D-Printed Molds for Personalized Tissue Engineered Bone Regeneration in Pediatric Cleft-Craniofacial Defects K. Hixon, A. Melvin, A. Lin, A. Hall, S. Sell


25. Early vs. Late 23 Week Gestation Neonatal Outcomes B. Montavon, E. Armbrecht, M. Al-Hosni


27. Pediatric Traumatic Aortic Dissection I. Oriaifo, N. Qureshi

28. Bartonella Endocarditis in a Child with Tetralogy of Fallot Complicated by PR3-ANCA Positive Serology, Autoimmune Hemolytic Anemia, and Acute Kidney Injury M. Parimi, J. Williams


32. The Great Mimicker S. Rohe, C. Sallee

33. Interventional Procedure for Limb Ischemia Present at Birth in the Neonate B. Salerno, B. Tallman, K. Pereira W. Waruingi

34. Antibiotic Duration for Complicated Appendicitis Prior to Interval Appendectomy in Children P. Badru, S. Saxena, N. Pleining, Y. Greenspon, K. Chatooroccan, C. Fitzpatrick, D. Vane, G. Villalona


36. Pediatric Juxta-Epiphyseal Phalangeal Fractures are Distinct from Salter-Harris Fractures and More Frequently Need Operative Fixation K. Xu, A. Posorske, A. Lin, C. Plikaitis

37. Feeding Tube PH Measurements in Extreme Preterm Infants N. Yun, E. Ambrecht, M. Al-Hosni

38. Clinical Outcome of Fetuses and Newborns with Alloinmunization Who Received Intrauterine Transfusion in SSM/St. Louis M. Noisette, L. Dolatshahi


40. TEXT4PEDS C. Brownsworth, T. Kaniecki, M. Broom

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Friday, May 19

7:30 AM

Interdepartmental Grand Rounds:
Focus on Pediatric Vaccine Development

Department of Internal Medicine and Molecular Microbiology & Immunology and Department of Pediatrics

Pitlyk Auditorium A, Learning Resource Center

Guest Speaker: Ofer Levy, MD, PhD

9:00 AM - 10:30 AM

Academic Roundtable
Mund Conference Room, SSM CGCH
(By Registration Only)

Moderated by: Ofer Levy, MD, PhD and Sharon Levy, MD, MPH

Drs. Ofer Levy and Sharon Levy will jointly facilitate an informal discussion of issues related to academic career development and relate these to their own career paths.

We thank the following for their valued and continued support of Pediatric Science Days

SSM Health Cardinal Glennon Children's Hospital

Steven Burghart, President

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Congratulations to all Presenters & Mentors!