Pediatric Science Days 2015 Program
Saint Louis University Department of Pediatrics/Cardinal Glennon Children's Medical Center

Thursday, April 16
Research Symposium
Learning Resource Center (LRC)
7:30 AM Continental Breakfast

8:00 Welcome: Robert W. Wilmott, MD
IMMUNO Professor and Chair
Opening Remarks: Joyce Marie Koenig, MD
Professor, Pediatrics and Molecular Microbiology & Immunology
Director, Pediatric Science Days 2014

PLATFORM SESSIONS LRC (Pitlyk A)

1. Outcomes I
Moderator: Noah Hillman, MD
(Neonatology)
8:15 Level of Perinatal Care as a Predictor of Neonatal Survival in Placental Abnormalities. Justin Jossephsen, Donna Halloran, Camellia Guld, Marya Strand
8:30 Protective Effect of Oleanolic Acid on TPN induced Gut Atrophy. Aiyar Kumain Jain, JI Kun, Victor Liou Jung Wen, Keith Bloomkamp, Monta Sharma, Sumit Arora, John Long, Jeffrey Teckman
8:45 Physicians and Physician Trainees Rarely Identify Or Address Overweight/Obesity in Hospitalized Children. Marta King, Flori Nkoy, Chris Maloney, Nicole Miahopoulos
9:00 Futility of Continued Resuscitation with Low Heart Rate at Ten Minutes. Hayley Friedman, Marya Strand
9:15 Imaging Prior to Transfer to Designated Pediatric Trauma Centers (PTCs) Exposes Children to Unnecessary Radiation. Yana Puckett, Matthew Caley, Shannon Farmakis, Louis Bonacorsi, Colleen Fitzpatrick, Kaveer Chatoogoong, Jose Greenspon, Dennis Vane
9:30 Obesity and Loss of Reduction in Pediatric both-Bone Forearm Fractures. Ugochi Okorofer, Heidi Israel, Jasmin McGinty
9:45 Prevalence of Non-Feburile Seizures in Children with Idiopathic Autism Spectrum Disorder and their Unaffected Siblings: A Retrospective Cohort Study. Lenna McCue, Louise Flick, Kimberly Twyman, Hong Xian, Thomas Conturo

10:00 POSTER PRESENTATIONS and Coffee Break

2. Clinical & Basic Research
Moderator: Adriana Montano, PhD
(Medical Genetics)
11:00 Suppression of Liver Hepcidin Expression in Response to Exogenous Transferin in Mice with Iron Deficiency Anemia is Associated with Elevated Expression of Marrow Erythropoetin. Yihang Li, Ian Miller, Princy Prasad, Robert Fleming
11:15 Salt1-Nurd Regulates Renal Progenitor Cell Fate. Jeannine Basta, Lynn Robbins, Michael Rauchman
11:30 Distending Pressure, without Volume Recruitment, Did Not Activate Acute Phase or Inflammatory Responses in the Lungs of Fetal, Preterm Lambs. Rebecca Peterson, Matthew Kemp, Andres Noe, Alan Jobe, Noah Hillman
11:45 Vitamin D Receptor Loss: A Key Player in the Pathology of Hutchinson-Gilford Progeria Syndrome. Ray Kreienkamp, Martin Neumann, Susanna Gonzalez

12:00 PM Symposium Luncheon
(Registrants only)
12:45 Correlation of Acute Generalized Exanthematous Pustulosis and Hemolysis in Brown Recluse Spider Bites. Muyahida Baram, James Gerard, Anthony Scalzo
1:00 Creating a 3D Model of Aortopulmonary Collaterals using Rotational Angiography for Preoperative Planning. John Buelter, Saar Danon, Sridhar Condour, Nadeem Parkar, Wilson King
1:15 BMP-2 Use in Alveolar Cleft Repair Results in Higher Rates of Postoperative Nasal Stenosis. Jeremy Goss, Margie Hunter, Eric Amsbretch, Alexander Lin

1:30 PM Coffee Break

3. Outcomes II
Moderator: Donna Halloran, MD
(Genral Academic Pediatrics)
1:45 Associations of Family, Parent, and Child Psychological Factors with Post-Traumatic Growth and Burden In Pediatric Cancer. Zach Wilson, Joseph Cumming, William Ferguson, Donna Marin, Katherinne Maxwell, Shermini Saini, John Chibnal
2:00 Timing of Surfactant Administration Does Not Affect Death or BPD in Premature Infants. Shalini Voothkar, Daniel Rito, Luke Viehl, Joyce Marie Koenig
2:15 Very Low Birth Weight Births In Missouri, 2010-2012: The Impact of Birth at A Level III NICU on Neonatal Mortality. Pamela Xaverius, Louise Flick, Candice Woolfolk, Nicole Ackermann, Beth Tobi
2:30 Medicaid Expenditures for Children with Complex Healthcare needs: A Care Coordination Model Evaluation. Steven Howard, Zidong Zhang, Christine Buet, Paula Buchanan, Eric Amsbretch, Samantha Rissler, Lindsey Pearson, Roy Lantry, Brittany Coryell, Mathew Dietz
2:45: Do Mothers Who Use Drugs during Pregnancy Choose to Breastfeed? Elizabeth Rhyne, Donna Halloran, Leslie Hinyard

3:00: Factors Impacting Medication Adherence among Adolescents Post Kidney Transplant. Verna L. Hendricks-Ferguson, Lisa McCleave, S. Paul Hmiel

3:45 PM Awards Presentations
POSTERS
Facilitators: Robert Fleming, MD (Neonatology)
David Ford, PhD (Biochemistry)
Michael Rauchman, MD, PhD (Internal Medicine)
1. NorUDCA Ameliorates Alpha-1 Anti-Trypsin Deficiency Disease by Activating Ampk-Autophagy Pathway. Youcai Tang, Keith Blomenkamp, Jeffrey Teckman
2. A New Functional Relationship Between Ras, Vitamin D/VDR Axis, and DNA Repair Factors during Senescence. Simona Graziano, Susana Gonzalez
5. Hypoferremia of Fasting in Mice is Associated with Increased Hepatic Hepcidin and Decreased Marrow Erythropoetin. Yihang Li, Ian Miller, Princy Prasad, Robert Fleming
11. Improving Community-Acquired Pneumonia (iCAP): A Need to Optimize Care. Katherine Forrester, Lauren Hayes, Aline Tanios
12. Who Are Our Breastfeeding Mothers? Anne Marie Christensen, Elizabeth Ryhne, Donna Halloran, Leslie Hinyard
14. Early Outcomes from a National Faculty Development Program for Pediatric Hospitalist Clinical Educators. Marta King, Michele Long, Nicole Paradise-Black, Jennifer Maniscalco, Becky Blankenburg, Mary Ottolini, Erik Black, Barrett Fromme
15. Incidence of Hospital-Based Procedures in Infants with Trisomies 13 and 18: A 24-Year, Single-Center Review. Justin Josephsen, Catherine Cibulsikis

10:00 POSTER PRESENTATIONS and Coffee Break
16. Factors Associated with Neonatal Death in Severely Depressed Infants. Brittnae Adcock, Marya Strand, Donna Halloran, Camelia Guild, Justin Josephsen
17. Who Are Our New Mothers? Corinne Becker, Elizabeth Rhyne, Leslie Hinyard, Donna R Halloran
18. Do Mothers on Methadone during Pregnancy Choose to Breast Feed? Ashley Borawski, Elizabeth Rhyne, Donna Halloran, Leslie Hinyard
19. Gleevac Use to Treat Plexiform Neurofibromas in a Patient with Neurofibromatosis-1 and Cystic Fibrosis. Mary Dougherty, Nukl Patel, Emily Kountzman, Lindsay Brefeld, Mohamed Abdel-Baki
20. Validity of the Birth Certificate Record Based on Maternal Interview. John Fu, Donna Halloran
25. Implementation of a Feeding Protocol Decreases the Weight Percentile Reduction at Discharge in VLBW Infants – A Quality Improvement Initiative. Catherine Cibulskis
26. Assessment of Medical Knowledge and Texting Preferences following a Prolonged Educational Texting Program in a Pediatric Residency. Cadence Kuftinski, Lauren Draper, Amy Ladley, Gregory Adamson, Matt Broom
27. Evaluation of a Pediatric Diabetes Camp Experience. Margaret Bullas, Ashley Schmuke, Vicki Morani, John Taylor
29. Development and Multicenter Validation of a Written Pediatric History and Physical Exam Evaluation (P-Hapee) Rubric. Marta King, Carrie Phillipi, Stuart Slavin, Paula Buchanan, Linda Lewin
31. Economic Evaluation of a Pediatric Neurocritical Care Program for Traumatic Brain Injury: A Retrospective Cohort Study of the Cost of Care. Steven Howard, Paula Buchanan, Zidong Zhang, Christine Williams, Lindsey Pearson, Michael Huettsch, Jeff Gill, Jose Pineda
33. Severe Nutritional Rickets in a 22 Month Old African American Toddler. Amy Lindley, Aline Tanios
34. A Twist and New Observation in a Case of Persistent Neonatal Hyperuricosuria. Amol Purandare, Matthew Broom
35. Just Iron Deficiency Anemia? Amol Purandare, Marta King
36. The Girl Who Cried Spider. Margaret Rozziar, Marta King
37. A, D, E, What? Arjun Sarin, Marta King

Congratulations to all Presenters & Mentors!