



# 12<sup>th</sup> Annual Pediatric Science Days

Saint Louis University School of Medicine  
Department of Pediatrics

April 26 – 27, 2018



SAINT LOUIS  
UNIVERSITY.  
— EST. 1818 —



Visiting Professor

## D. Wade Clapp, MD

Richard L. Schreiner Professor and Chairman  
Department of Pediatrics at Indiana University School of Medicine

Physician-in-Chief, Riley Hospital for Children

Professor of Pediatrics, Microbiology and Immunology  
Indiana University School of Medicine

# Pediatric Science Days 2018

## Schedule of Events

### Thursday, April 26, 2018

Time: 7:45 am – 5:00 pm

Event: Research Symposium

Location: SSM Health Cardinal Glennon Children's Hospital, *Danis Auditorium*

### Friday, April 27, 2018

Time: 7:30 am – 8:30 am

Event: Special Interdepartmental Grand Rounds

- Internal Medicine and Pediatrics

#### **Identification of Molecular Targets to Treat Plexiform Neurofibromas**

Presented by Guest Speaker

#### **D. Wade Clapp, MD**

- Richard L. Schreiner Professor and Chairman  
Department of Pediatrics at Indiana University School of Medicine
- Physician-in-Chief for Riley Hospital for Children
- Professor of Pediatrics, Microbiology and Immunology  
Indiana University School of Medicine

Location: Saint Louis University School of Medicine, Learning Resource Center,  
Pitlyk Auditorium A

### Friday, April 27, 2018

Time: 9:00 am – 10:30 am

Event: Academic Roundtable for Early Career Investigators and Trainees

Location: SSM Health Cardinal Glennon Children's Hospital, Mund Conference  
Room (by registration only)

# PEDIATRIC SCIENCE DAYS 2018

## Research Symposium

*SSM Health Cardinal Glennon Children's Hospital –  
Danis Auditorium*

Thursday, April 26, 2018

**7:30** *Breakfast*

**7:45** **Welcome**

Robert W. Wilmott, MD  
Professor and Vice Dean of Medical Affairs  
Saint Louis University School of Medicine

**Opening Remarks**

Kenneth Olliff  
Vice President for Research

**Introduction**

Joyce Koenig, MD  
Professor, Pediatrics, Molecular Microbiology & Immunology;  
Director, Pediatric Science Days

### ***PLATFORM SESSIONS***

- 8:00 Zand D, Pierce K, Newton J, McNamara D, Lanning N, Jaschek C, Sallee H, Heaney M S. *Readiness to change as a predictor of positive parenting outcomes in primary care pediatric settings.* (Pediatrics, General Academic Pediatrics)
- 8:15 Liburd K, Halloran D. *Maternal safe sleep beliefs.* (Pediatrics, General Academic Pediatrics)
- 8:30 McLaughlin A, Geller T, Prakash V. *Correlation between depression and functional disability due to pain, and assessment of their prevalence in children with neurofibromatosis type 1.* (Neurology)
- 8:45 Badru F, Saxena S, Munoz Abraham A S, Osei H, Starr D, Perry X, Piening N, Breeden R, Greenspon R, Fitzpatrick C, Villalona G, Chatoorgoon, K. *Screening laboratory testing in asymptomatic minor pediatric blunt trauma leads to unnecessary needle sticks.* (Surgery, Plastic Surgery)
- 9:00 Charney R, Rebmann T, Esposito F, Allen N, Schmid K, Chung S. *Separated after a disaster: trust and privacy issues in sharing children's personal information.* (Pediatrics, Pediatric Emergency Medicine)
- 9:15 Puetz J, Johnson L, Hugge C, Buchanan P. *First look at my life our future carrier data from a pilot site.* (Pediatrics, Hematology-Oncology)

9:30 Bourdillon M, Mogalapalli A, Haynes S, Dolatshahi L. *Cardiovascular Abnormalities and determinant factors in children with sickle cell disease.* (Pediatrics, Hematology/Oncology)

9:45 Parrow N, Mammen L, Ali F, George N, Vaicikauskas E, Ginzburg Y, Rivella S, Fleming R. *Regulation of erythropoietin responsiveness by lobe-specific transferrin iron occupancy.* (Pediatrics, Neonatal-Perinatal Medicine)

**10:00 – 10:15 Morning Break**

10:15 Verhaeghe R, George K, Westerman M, Parrow N, Pincus E, Havranek T, Fleming R. *Consequences of breast milk compared with formula feeding on hepcidin status of healthy infants.* (Pediatrics, Neonatal-Perinatal Medicine)

10:30 Buchanan C, Okafor E, Gross G, Vogler C, McQuillan J, Koenig J. *Mother-baby pairs of preterm gestations with histologic chorioamnionitis exhibit enhanced Th17 and gamma delta t cell profiles.* (Pediatrics, Obstetrics & Gynecology, Pathology)

10:45 Kothe B, Sadiq F, Williams H, Burleyson N, Anderson C, Hillman N. *Surfactant and budesonide for treatment of respiratory distress syndrome in very low birthweight preterm infants: a cohort comparison.* (Pediatrics, Neonatal-Perinatal Medicine)

11:00 Kothe B, Royse E, Kemp M, Salomone F, Musk G, Schmidt A, Jobe A, Hillman N. *Surfactant plus budesonide rapidly decreases lung and systemic responses to injurious ventilation in preterm sheep.* (Pediatrics, Neonatal-Perinatal Medicine)

11:15 Saxena S, Ahle S, Badru F, Munoz Abraham A S, Damle R, Osei H, Bathia A, Chatoorgoon K, Gingalewski C, Greenspon J, Hamilton N, Fitzpatrick C, Stitelman D, Strand M, Villalona G. *Spontaneous intestinal perforation: a multicenter retrospective comparison of outcomes between primary peritoneal drain versus primary laparotomy with stoma and evaluation of factors associated with primary peritoneal drain failure.* (Surgery, Pediatric Surgery)

11:30 Guzman M, Korremla N, Price A, Manithody C, Blomenkamp K, Westrich M, Heafner N, Villalona G, Greenspon J, Jain A. *A histopathological, immunohistochemical and ultrastructural study of total parenteral nutrition in an ambulatory neonatal animal model.* (Pathology)

11:45 Rivera-Sepulveda A, Gerard J, Rebmann T, Charney R. *Adherence to bronchiolitis guidelines in pediatric emergency departments.* (Pediatrics, Pediatric Emergency Medicine)

12:00 Kreienkamp R, Graziano S, Coll-Bonfill N, Bedia-Diaz G, Cybulla E, Vindigni A, Dorsett D, Kubben N, Batista L, Gonzalo S. *A cell-intrinsic interferon response links replication stress to cellular aging in Hutchinson-gilford progeria syndrome.* (Biochemistry & Molecular Biology)

**12:15 – 1:00 Lunch Break**

1:00 Flanagan M, Gan Q, Vartanyan A, Srigiri M, Guzmán M, Wang R, Montañó A. *Assessment of heart function in morquio a mice.* (Pediatrics, Medical Genetics)

1:15 Patel A, Forman R, Ladley A, Fisher E, McEnery B, Thakkar D, Waltos A, Arthur J, Kim C, Broom M. *Evaluation of text messaging as an educational method to improve healthcare utilization.* (Pediatrics, General Academic Pediatrics)

- 1:30 Sescleifer A, Osborn T, Rector J, Lin A. *Harnessing the wisdom of the crowd: crowdsourcing demonstrates lip angle more influential than scar level in lay assessment of cleft lip repair aesthetics.* (Surgery, Plastic Surgery)
- 1:45 Teckman J, Buchanan P, Lomas D. *A biomarker predictive of the development of portal hypertension in children with Alpha-1-AT deficiency.* (Pediatrics, Gastroenterology)
- 2:00 Maliakkal J, Selewski D, Rheault M, Seamon M, Nelson R, Misurac J, Tran C, Twombly K, Reyes L, Flynn J, Onder A, Constantinescu A, Singh V, Pan C, Omoloja A, Hicks J, Smoyer W, Hidalgo G, Wenderfer S. *Percentage of crescents predicts renal survival in children with glomerulonephritis.* (Pediatrics, Pediatric Nephrology)
- 2:15 Price A, Blomenkamp K, Manithody C, Saxena S, Ratchford T, Westrich M, Kakarla V, Pochampally S, Phillips W, Heafner N, Greenspon J, Guzman M, Villalona G, Long J, Jain A. *Developing a novel ambulatory total parenteral nutrition dependent short bowel syndrome animal model.* (Pediatrics, Gastroenterology)
- 2:30 Metz R, McGinty J. *Do obese children sustain more severe supracondylar humerus fractures?* (Orthopaedic Surgery)

**2:45 – 4:15 POSTER SESSION**

1. Aleshire J, Carroll A, Heller K, Wathen, D. *A case of macrophage activation syndrome in atypical kawasaki's disease.* (Pediatrics)
2. Forrester K, Gupta N, Karumuri M, Thomas S, Gerard J. *Frequency of repeat ketamine dosing in children undergoing emergency department procedural sedation.* (Pediatrics, Pediatric Emergency Medicine)
3. Gruenkemeyer K, Belsha C, Wood E, Beck A. *Successful use of hizentra to address BK viremia in pediatric transplant population k.* (Pediatrics, Pediatric Nephrology)
4. Henson B, Hemmann B, Lubsch L, Hillman N, Buchanan P, Williams H, Josephsen J. *Adrenal suppression in neonates treated with corticosteroids for prevention of bronchopulmonary dysplasia.* (Pediatrics, Neonatal-Perinatal Medicine)
5. Buehler J, Scalzo A, Meyer C. *Dermonecrotic lesion and systemic loxoscelism in a liver transplant patient of immunosuppression.* (Pediatrics, Toxicology, Gastroenterology)
6. Karimnejad K, Nelson E, Rohde R, Costa D. *Pediatric external auditory canal foreign body extraction outcomes.* (Otolaryngology)
7. Hamilton A, Hanson J, Arthur J, Shaw L. *Expanding the world of reach out and read.* (Pediatrics, General Academic Pediatrics, Child Protection)
8. Munoz Abraham S, Price A, Blomenkamp K, Manithody C, Saxena S, Ratchford T, Westrich M, Kakarla V, Pochampally S, Phillips W, Heafner N, Greenspon J, Guzman M, Villalona G, Long J, Jain A. *Developing a novel ambulatory total parenteral nutrition dependent short bowel syndrome animal model.* (Pediatrics, Gastroenterology)
9. Kothe B, Royse E, Kemp M, Salomone F, Musk G, Schmidt A, Jobe A, Hillman N. *Surfactant plus budesonide decreases lung and systemic inflammation over 24 hours of mechanical ventilation in preterm sheep.* (Pediatrics, Neonatal-Perinatal Medicine)

10. Lee R, Yildiz Atar H, King M, Miller A. *Not every picture tells a story.* (Pediatrics)
11. Mani D, Wathen D. *Constipation as a symptom, not a diagnosis.* (Pediatrics)
12. Oriaifo I, Gerard J, Ferguson W, Thomas S. *Diagnostic value of lactate dehydrogenase and uric acid as screening tools for malignancies in children.* (Pediatrics, Pediatric Emergency Medicine)
13. Powell S, Teckman J, Becker B. *Eating disorders are prominent among the comorbidities of eosinophilic esophagitis in a us Midwestern children's hospital.* (Pediatrics, Allergy and Immunology, Gastroenterology)
14. Rozier M, Buehler J, Karumuri M, Olson N, Tanios A. *Accessible teaching tools for pediatric residents.* (Pediatrics)
15. Sabic D, Salehi J, Strand M. *Resuscitation needs for infants with congenital heart disease.* (Pediatrics, Neonatal-Perinatal Medicine)
16. Sabic D, Barenkamp S, LaBarge G. *Rash, rhinitis and transaminitis in an infant.* (Pediatrics, Infectious Diseases)
17. Sabic D, Heller, K. *Status dystonicus leading to rhabdomyolysis and acute renal injury.* (Pediatrics)
18. Sallee H, Pierce K, Newton J, McNamara D, Lanning N, Jaschek C, Heaney M S, Zand D. *Feasibility of implementing a positive parenting program in pediatric primary care.* (Pediatrics, General Academic Pediatrics)
19. Saxena S, Munoz Abraham A S, Damle R, Badru F, Osei H, Gibbons M, Chatoorgoon K, Greenspon J, Fitzpatrick C, Villalona G. *Implementation of a new clinical practice guideline for acute appendicitis in a children's hospital: the impact on short-term outcomes and postoperative resource utilization in complicated appendicitis.* (Surgery, Pediatric Surgery)
20. Singareddy A, Sweeney P, Lee A, Buchanan P, Williams H, Hillman N, Koenig J. *Elevated circulating neutrophil-lymphocyte ratios identify preterm neonates exposed to histologic chorioamnionitis and early-onset sepsis.* (Pediatrics, Neonatal-Perinatal Medicine)
21. Thornton K, Tanios A, Denton C. *Larger legs, lighter weight.* (Pediatrics)
22. Vashi H. *Weak foot on the gas (group a streptococcus).* (Pediatrics)
23. Vashi H. *It's just a pet. Oh rats!* (Pediatrics)
24. Wilson-Flewelling S, Farmakis, S. *Does contrast-enhanced magnetic resonance imaging leave behind gadolinium deposits within the tissue of pediatric patients?* (Pediatric Radiology)
25. Yarholar L, Haight J, Plikaitis C. *Paravertebral block in elective pediatric breast surgery.* (Plastic Surgery)
26. Yarholar L, Lin A. *Monobloc frontofacial advancement: systematic review of complications with pooled analysis.* (Plastic Surgery)