



Department of Pediatrics Research Retreat  
April 4, 2025  
18 Rails at STL City Foundry

- 8:00 **Check-in and Badge Pick-up – Foyer**  
(Presenters please hang posters for Poster Session 1)
- 9:00 **Welcome – Main Event Hall**  
**Gary Silverman, MD, PhD**
- Platform 1: Trainee Basic Research– Main Event Hall**  
**Moderator: David Hunstad, MD**
- 9:10 **Shelley Choudhury, MD**  
*Defibrotide Inhibits Thrombin-Induced, PAR-1-Dependent Signaling to Prevent Platelet Aggregation and Provide Endothelial Protection*
- 9:25 **Jesse Pak, BS**  
*A Novel Bacteroides fragilis Toxin Confers an Advantage in Interbacterial Competition*
- 9:40 **Sebastian Boluarte, MD**  
*Kcnn4: A Key Regulator of Neutrophil Function and Development Through Store-Operated Calcium Entry*
- 9:55 **Chatsuda Thamrongsak, MD**  
*Differential Protein Expression in Eosinophils in Allergic Airway Diseases*
- 10:10 **Poster Session 1 – Rear Event Hall**
- 11:10 **Break**
- 11:20 **Keynote Address – Main Event Hall**  
**Stuart Turvey, MBBS, DPhil**  
*Who Knew That Clues to Childhood Asthma Could Be Found in Dirty Diapers? Role of the Gut Microbiome in Pediatric Asthma and Allergies*
- 12:20 **Buffet Lunch and Networking – Main Event Hall**  
(Presenters please take down posters from Poster Session 1 and hang posters for Poster Session 2)

1:10 **Poster Session 2 – Rear Event Hall**

2:10 **Break**

**Platform 2: Trainee Clinical Research – Main Event Hall**

**Moderator: Stephanie Fritz, MD, MSCI**

2:20 **Natasha Lalos, MD**

*Development and Implementation of Restrictive Platelet Transfusion Thresholds in Extremely Low Birth Weight Infants*

2:35 **Callie Marshall, MD**

*Seeing Deeper: Racial Variation in NIRS Monitoring Accuracy in Infants in the Cardiac ICU*

2:50 **Rachel Guess, MD**

*Targeted Needs Assessment on Provider Medical Knowledge Gap for Juvenile Scleroderma: A Mixed Methods Study*

3:05 **Mithra Lakshmi Narasimhan, MD**

*Successful Outcomes of Hematopoietic Cell Transplantation using Radiation-Free Reduced-Intensity Conditioning in Pediatric Severe Aplastic Anemia*

3:20 **Break**

**Platform 3: Early Faculty Research – Main Event Hall**

**Moderator: Laura Schuettpelez, MD, PhD**

3:30 **Lila Nolan, MD**

*Combinatorial Effects of Interferons in Regulating the Pathogenesis of a Virulent Novel Strain of Murine Norovirus*

3:50 **Justin Berger, MD, PhD**

*SGLT2 Inhibitors Act Independently of SGLT2 to Confer Benefit for Heart Failure with Reduced Ejection Fraction in Mice*

4:10 **Sara Greer, MD**

*Validity Argument for the Cognitive Load Assessment Scales in Simulation (CLAS-Sim): Implications for Learning Outcomes*

4:30 **David Butler, MD**

*Directly Reprogrammed Human Neurons Reveal Age-Associated Differences in Mitochondrial Resilience to Hypoxic-Ischemic and Reperfusion Stress*

4:50 **Adjournment**

Please enjoy the food and activities at the Foundry

## Department of Pediatrics 2025 Research Retreat



### **Stuart Turvey, MBBS, DPhil**

*Aubrey J. Tingle Professor of Pediatric Immunology  
Department of Pediatrics  
University of British Columbia*

Stuart Turvey, MBBS, DPhil, FRCPC, is a Professor of Pediatrics at the University of British Columbia, where he holds both the Tier 1 Canada Research Chair in Pediatric Precision Health and the Aubrey J. Tingle Professorship in Pediatric Immunology. He is a pediatric immunologist based at BC Children's Hospital, and Director of Clinical Research at the Child & Family Research Institute.

He holds a medical degree (MB BS) from the University of Sydney, Australia, and a doctorate (DPhil) in Immunology from Oxford University where he was a Rhodes Scholar. Dr. Turvey completed both his Pediatric Residency and Allergy/Immunology Fellowship at Children's Hospital, Harvard Medical School, Boston. Dr. Turvey is a Fellow of the Royal College of Physicians and Surgeons of Canada and a Diplomate of the American Board of Pediatrics.

Dr. Turvey's research focuses on childhood immune deficiency diseases and disorders of immune dysfunction including asthma, allergies, and autoimmunity. Dr. Turvey is internationally recognized for developing precision health-based strategies to address childhood asthma and pediatric immune system disorders, and he is a highly effective mentor for the next generation of child health clinician-scientists.



## Department of Pediatrics 2025 Research Retreat

**Friday, April 4, 2025**

**9:00 am – 4:45 pm**

***18 Rails at STL City Foundry***

### **Keynote Address**



### **Stuart Turvey, MBBS, DPhil**

**Who Knew That Clues to Childhood Asthma  
Could Be Found in Dirty Diapers?  
Role of the Gut Microbiome in Pediatric  
Asthma and Allergies**