Pediatric Innovation Retreat
“Advancing pediatric research, technology development, and commercial translation”

Friday, July 13, 2018, 8 am to 3:30 pm
University of Pittsburgh—Alumni Hall, Connolly Ballroom
Pittsburgh, Pennsylvania

7:00 am - 8:00 am  Registration and Continental Breakfast

8:00 am - 8:15 am  Welcome and Introductions
William R. Wagner, Director, McGowan Institute, Professor of Surgery, Bioengineering and Chemical Engineering, University of Pittsburgh

8:15 am - 11:30 am  Session #1 - Game Changing Innovations
Moderator: George Gittes, MD Benjamin R. Fisher Chair of Pediatric Surgery and Surgeon-in-Chief, Director, Pediatric Surgical Research, Professor, Department of Surgery, University of Pittsburgh School of Medicine

8:15 am - 8:40 am  Inhibiting Distal Biochemical Pathway Reactions: A Novel Therapeutic Chaperone Strategy for Inherited Metabolic Disorders
Al-Walid Mohsen, PhD, Department of Pediatrics, Children's Hospital of Pittsburgh of UPMC

8:40 am - 9:05 am  Biosensors to Detect Bloodstream Infections in Infants
Neal J. Thomas, MD MSc, Associate Dean for Clinical Research, Pennsylvania State University College of Medicine, Professor of Pediatrics and Public Health Sciences, Division of Pediatric Critical Care Medicine, Penn State Children's Hospital and
Pak Kin Wong, PhD, Fellow of RSC, SLAS and AIMBE; Professor of Biomedical Engineering, Mechanical Engineering and Surgery; Director, BME Program, The Pennsylvania State University

9:05 am - 9:30 am  Surgical Magnification for Pediatric Blindness
Matt Maltese, PhD, Director of Biomechanics Research, Department of Anesthesiology and Critical Care Medicine, Children’s Hospital of Philadelphia (CHOP) and Senior Fellow, CHOP’s Center for Injury Research and Prevention

9:45 am - 10:00 am  Refreshment Break

10:00 am - 10:25 am  Beta Blockers to Treat Congenital Heart Defects in Children

Technology Teaser  Genetic Engineering of Breast Milk Cells for Infant Therapy
Katie Whitehead, PhD, Assistant Professor, Department of Chemical Engineering< Carnegie Mellon University
Biological temporary extracorporeal live support for new born children with liver under function
Joerg Gerlach, MD, PhD, Professor, Department of Surgery, University of Pittsburgh
To simplify the comprehension of the document, here is the plain text representation:

**Session #2 - Technology Spotlight**

10:25 am - 10:50 am  **Lymphangiography and Lymphatic Duct Embolization**

*Yoav Dori, MD, PhD, Pediatric Cardiologist and Director of Pediatric Lymphatic Imaging and Interventions and Lymphatic Research, Children’s Hospital of Philadelphia*

10:50 am - 11:15 am  **Whole Child Program**

*Erika Fink, MD, Associate Professor, Critical Care Medicine, Pediatrics, and Clinical and Translational Science Institute, University of Pittsburgh School of Medicine*

11:20 am - 12:15 pm  **Keynote Presentation - The FDA’s perspective on the current status and future of Pediatric Technology Regulation, Funding, and Commercialization**

*Vasum Peiris, MD, MPH, FAAP, FACC, FASE, Chief Medical Officer - Pediatrics and Special Populations, Center for Devices and Radiological Health, US Food and Drug Administration*

12:15 pm - 1:00 pm  **Lunch**

1:00 pm - 1:45 pm  **Session #3 - Bringing Dreams to Reality**

*Det Ansinn, President and CEO, Brick Simple*

ARiA (AR in ACTION) is convening some of the top minds in Augmented Reality to accelerate conversation and collaboration amongst industry innovators, thought leaders, investors and corporations, who are working to implement real-world AR Solutions.

1:45 pm - 3:15 pm  **Concluding Comments**

*Shaharim Hejazi, PhD, Partner BioAdvance*