

Symposium Agenda

May 17, 2018 - Mission Bay Conference Center, San Francisco, CA

8:00 - 8:30	Registration & Breakfast		
8:30 – 8:45	Opening Remarks Hanmin Lee, MD Surgeon-in-Chief, UCSF Benioff Children's Hospital, Professor & Chief, UCSF Division of Pediatric Surgery Bertram Lubin, MD Associate Dean of Children's Health, UCSF		
Part I	Fetal Therapy & Diagnostic Technologies		
8:45 – 9:00	Maternal Fetal Rejection in the Pathogenesis of Preterm Labor Tippi MacKenzie, MD Associate Professor, UCSF Division of Pediatric Surgery		
9:00 – 9:15	Prenatal Diagnosis to Improve Infant Outcomes Mary Norton, MD Professor, UCSF Department of Obstetrics, Gynecology & Reproductive Science		
9:15 – 9:30	Acoustic Based Digital Bio-Markers for Asthma and Pneumonia Assessment Aaron Kornblith, MD Assistant Clinical Professor, UCSF Departments of Emergency Medicine & Pediatrics Adam Rao MD/PhD candidate, UCSF, Founder, Tabla		
9:30 – 9:45	Trans-Abdominal Fetal Oximetry for Labor and Delivery Neil Ray, MD Founder & CEO, Raydiant Oximetry, Inc. Mark Rosen, MD Professor Emeritus, UCSF Department of Anesthesia, Chief Medical Officer, Raydiant Oximetry, Inc.		
9:45 – 10:15	Break & Demos*		
Part II 10:15 – 10:30			
10:30 - 10:45	Engineering Nanoscale Materials for Therapeutic Delivery Tejal Desai, PhD Professor & Chair, UCSF Department of Bioengineering & Therapeutic Sciences		
10:45 – 11:00	Safer ECLS Through Engineering Peter Oishi, MD Associate Professor, UCSF Department of Pediatrics		
11:00 – 11:15	Neocare Peritoneal Dialysis Machine Paul Brakeman, MD, PhD Associate Professor, UCSF Department of Pediatrics		
11:15 – 11:30	Innovation in Dialysis Access Shant Vartanian, MD Assistant Professor, UCSF Division of Vascular & Endovascular Surgery		

11:30 – 12:45	Design Workshop: The Pediatric Patient Experience The Better Lab			
12:45 – 1:30	Lunch & Demos*			
Part III 1:30 – 1:45	AR/VR & Emerging Technologies Emerging Molecular-MRI Approaches for Non-Invasive Multiplex Tissue Characterization Moriel Vandsburger, PhD Assistant Professor, UC Berkeley Department of Bioengineering			
1:45 – 2:00	Magnetic Particle Imaging as a Non-Invasive Method for Early Detection of Gut Bleeds, Pulmonary Embolisms, Stroke, Atherosclerosis, and Cancer Steve Conolly, PhD Professor, UC Berkeley Departments of Bioengineering & Electrical Engineering & Computer Sciences			
2:00 – 2:15	Exploring New Augmented Reality Solutions for Children's Healthcare Allen Yang, PhD Executive Director, UC Berkeley Center for Augmented Cognition			
2:15 – 2:30	Virtual Reality for Pediatric Oncology Procedures, Sickle Cell Disease Pain, and MRI Preparation Simon Robertson Founder & Lead VR Developer, KindVR			
2:30 – 2:45	A Bioartificial Pancreas for Type 1 Diabetes Treatment Shuvo Roy, PhD Professor, UCSF Department of Bioengineering & Therapeutic Sciences			
2:45 - 3:30	Break & Demos*			
Part IV 3:30 – 4:15	Panel Discussion Incentivizing Pediatric Device Development Michael Billig Co-Founder & CEO, Experien Group Andrew Cleeland CEO, Fogarty Institute for Innovation Donna Ferriero, MD, MS Professor, UCSF Department of Pediatrics Michael Harrison, MD Professor Emeritus, UCSF Departments of Surgery, Pediatrics, Obstetrics, Gynecology & Reproductive Sciences Robert Matheny, MD Co-Founder, Director & Chief Medical Officer, CorMatrix Cardiovascular, Inc. Vasum Peiris, MD, MPH Chief Medical Officer, Pediatrics & Special Populations, FDA Center for Devices & Radiological Health			
Part V 4:15 – 5:00	Closing Keynote Aligning Innovation for Pediatric Public Health Vasum Peiris, MD, MPH Chief Medical Officer, Pediatrics & Special Populations, FDA Center for Devices & Radiological Health			
5:00 - 6:00	Cocktail Hour			
*Demos by:	Asphyxi-Alert KindVR Tabla	Breastfeeding Appliance Piccolo Medical UCSF Pediatric Device Consortium	Gravitas Medical SuitX Exoskeletons UC Berkeley-UCSF MTM program	