

JOIN US

For a panel discussion Thursday:
August 12, 2021 | 2:00 – 3:30 pm ET

REGISTER

Come join us for a conversation with ISPI members from Children's Healthcare of Atlanta, Dr. Wilbur Lam and Dr. Kevin Maher. They will discuss trials and triumphs in pediatric healthcare and share how innovation is fostered between clinicians, Children's Healthcare of Atlanta at Pediatric Technology Center of the Georgia Institute of Technology, and Dr. Evan Goldberg will be speaking about how innovation is accelerated through Global Center for Medical Innovation.

PRESENTERS:



DR. WILBUR LAM, MD, PHD

Pediatric Hematologist/
Oncologist,
Chief Innovation Officer,
Pediatric Technology Center

Aflac Cancer & Blood
Disorders Center

Children's Healthcare of Atlanta
Associate Professor of Pediatrics,
Wallace H. Coulter Department of
Biomedical Engineering
Emory University School of
Medicine and Georgia Institute
of Technology

Dr. Lam is a tenured Associate Professor of Pediatrics and Biomedical Engineering at Emory and Georgia Institute of Technology, and has a unique background as a physician-scientist-engineer. Dr. Lam obtained his bachelor's from Rice University, medical doctorate from Baylor College of Medicine and doctorate in bioengineering from the University of California, Berkeley and University of California, San Francisco, where he also completed his clinical training in pediatrics and pediatric hematology/oncology. Dr. Lam's interdisciplinary laboratory comprises of bioengineers, mechanical engineers, electrical engineers, biologists, chemists and physicians. His laboratory serves as a unique "one-stop shop" in which in vitro microsystems are developed to study the biophysics of hematologic processes in both health and disease, and then translated to the patient bedside. Specifically, Dr. Lam's lab's research interests involve the development and application of microsystems to enable research in the biophysical mechanisms of hematologic diseases, such as sickle cell disease, and bleeding and thrombotic disorders, as well as further developing those systems into novel therapeutics and diagnostic devices.

As a bioengineering laboratory with interests in device development, Dr. Lam's Lab has also developed diagnostic tools for hematologic and pediatric diseases that are inexpensive, simple to operate and can be used in resource-poor settings or as home-based, patient-operated self-tests. A particular interest of Dr. Lam's is to couple these inexpensive diagnostics with smartphones to enable automated diagnosis and remote data transmission. To those ends, Dr. Lam has co-founded two companies focused on point-of-care diagnostics based on his laboratory's research and one of their products, a color-based, disposable point-of-care anemia diagnostic was recently awarded U.S. Food and Drug Association clearance for commercialization. Dr. Lam is also the principal investigator of the Atlanta Center for Microsystems Engineering Point-Of-Care Technologies (ACME POCT) Pediatric Device Consortium, which is one of the five funded centers of the Nation Institutes of Health's (NIH) Point-of-Care Technologies Research Network charged to facilitate the invention, development, clinical translation and commercialization of point-of-care diagnostics. Among other honors, Dr. Lam has been elected into the American Society of Clinical Investigation, named an Emerging Investigator by the journal *Lab on a chip* published by the Royal Society of Chemistry, and is recipient of a National Science Fair Career Award, as well as the American Society of Pediatric Hematology/Oncology's Frank A. Oski Memorial Lectureship Award.



DR. KEVIN MAHER, MD

Co-Director Center for
Pediatric Innovation

Director, Pediatric Cardiac
Nanomedicine

Associate Director, Atlanta
Pediatric Device Consortium

Pediatric Cardiologist
Sibley Heart Center Cardiology

Dr Kevin Maher graduated from the University of Maryland School of Medicine in 1991. He completed a residency and chief residency in Pediatrics at Maryland and then went on the University of Michigan for a Fellowship in Pediatric Cardiology. In 2004, Dr Maher joined the Sibley Heart Center Pediatric Cardiology group at Children's Healthcare of Atlanta, Emory University School of Medicine. His primary clinical responsibilities are in the pediatric cardiac intensive care unit at Children's. A significant amount of time is devoted to teaching and research. Dr Maher's research activities include neonatal CPR, cardiac biomarkers in children, and device development. Dr Maher works to further collaborations with Georgia Tech, aiming to bring engineers into the field of pediatric cardiac research and device development. To this end he is the associate director of the Pediatric Nanomedicine Center, the CHOA director of the Center for Pediatric Innovation and the associate director of the Atlantic Pediatric Device Consortium. He is a member of the Faculty Council at Children's, advancing Georgia Tech-CHOA-Emory research collaborations. He is an adjunct associate professor of Biomedical Engineering at Georgia Tech.

Dr Maher has been an active member the American Heart Association, serving as the Atlanta Metro AHA Board president, and is currently on the national AHA Board.

Dr Maher resides with his wife and three children in Atlanta.



EVAN GOLDBERG, PHD

Director, Scientific Affairs
at GCMI

Interim Director, Program
Leadership at GCMI

Fellow, VIC Technology
Venture Development

Evan Goldberg serves as the Director of Scientific Affairs for GCMI. He works with academic faculty to help commercialize their early-stage technology and works with industry partners to expand their academic collaborations. He also leads program leadership and business development for preclinical testing at GCMI. With over ten years of experience as a Study Director, he has managed hundreds of preclinical research projects for medical device, pharmaceutical and biologics companies of varying complexity ranging from model development and initial prototype testing to GLP safety and efficacy studies in many therapeutic areas. Prior to joining GCMI, he served as a Research Engineer at the UCLA Center for Cerebral Palsy, where he managed a clinical laboratory serving patients with musculoskeletal disorders. In addition to his role with GCMI, he serves as a Fellow for VIC Technology Venture Development. In this role, he is a member of the VIC Opportunity Assessment team to evaluate life science technologies, perform due diligence and make recommendations for licensing of university-based intellectual property. He also serves as a liaison between the VIC team and regional universities to source candidate technologies that fit the VIC model. Evan holds a BS and MS from the University of Texas at Austin in Mechanical Engineering and an MS and PhD from the University of California, Los Angeles, in Biomedical Engineering.



Children's™
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About Children's Healthcare of Atlanta:

Trusted by families, respected by physicians. For more than 100 years, Children's Healthcare of Atlanta has been a leading pediatric healthcare provider. Our mission is to make kids better today and healthier tomorrow. Our specialized care helps children get better faster and live healthier lives. With three hospitals, 26 neighborhood locations and more than 600 beds, Children's is the largest healthcare provider for children in Georgia and one of the largest pediatric clinical care providers in the country.



Children's™
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Pediatric Technology Center

About Children's Healthcare of Atlanta Pediatric Technology Center at the Georgia Institute of Technology:

The Children's Healthcare of Atlanta Pediatric Technology Center is part of the Georgia Institute of Technology. The center facilitates collaboration between Children's Healthcare of Atlanta clinicians, doctors, and researchers conducting fundamental and translational research to advance children's health and delivery of pediatric services in a broad range of research areas.



About Global Center for Medical Innovation:

The Global Center for Medical Innovation (GCM) is an affiliate of the Georgia Institute of Technology and is the Southeast's first and only comprehensive medical device innovation center, dedicated to accelerating development, building businesses and improving health. GCM opened its doors in April 2012 and to date has worked with over 50 different startups, clinician innovators, university tech transfer offices and academic researchers to design, engineer, prototype, and facilitate commercialization of a broad range of innovative medical devices.