Wilbur A. Lam, MD, PhD is Professor of Pediatrics and Biomedical Engineering at Emory and Georgia Tech as well as a clinical pediatric hematologist/oncologist at Children's Healthcare of Atlanta. The Lam Laboratory's overall research interests involve developing and applying micro/nanosystems and microfluidic technologies to advance biomedical research with a specific focus on the cellular biophysics of hematologic processes and diseases. Accordingly, Dr. Lam takes a multidisciplinary approach spanning medicine, cellular biology, physics, chemistry, and engineering to develop new microsystems-based tools to answer questions in hematology that are technologically infeasible with current methods. In addition, his laboratory has pioneered the development of novel single cell assays of platelet function and "endothelialized" microfluidic systems as physiologic *in vitro* models of hematologic diseases. Dr. Lam is also Chief Innovation Officer of the Pediatric Technology Center at Children's and Georgia Tech and principal investigator of the NIH-funded Atlanta Center for Microsystems Engineered Point-of-Care Technologies.