

Carl Bates received his MD degree at the Ohio State University College of Medicine in 1991. He completed a Residency in Pediatrics in 1994 at Nationwide Children's Hospital and then a fellowship in Pediatric Nephrology in 1998 at the University of Texas Southwestern (UTSW) Medical Center in Dallas. After one year as non tenure track faculty at UTSW, Dr. Bates became an Assistant Professor of Pediatrics at The Ohio State University/Nationwide Children's Hospital in 1999. He was tenured and promoted to Associate Professor in 2007. In 2008, Dr. Bates became the Division Chief of Pediatric Nephrology and the Director of the Pediatric Nephrology Fellowship Program at the University of Pittsburgh/Children's Hospital of Pittsburgh of UPMC. He was promoted to Professor of Pediatrics in 2014. In 2016, Dr. Bates assumed the role as Vice Chair of Basic Research in the Department of Pediatrics at the University of Pittsburgh School of Medicine.

Dr. Bates' research is primarily focused on the role of fibroblast growth factor receptors (FGFRs) and their adapter binding proteins in kidney and lower urinary tract development and disease, using mouse models. Utilizing conditional and global knockout approaches to manipulate expression of FGFRs 1 and/or 2 and their adapter proteins, his lab has uncovered many novel roles for the receptors in multiple lineages and at different stages of kidney and lower urinary tract development. These mouse lines often mimic many of the congenital forms of kidney and bladder disease that are leading causes of renal and lower urinary tract disease in children. Recently the lab has identified novel roles for FGFR2 in protecting against bladder urothelial injury and driving early regeneration of outer urothelial layers after Cyclophosphamide infusion.

Dr. Bates was elected to the Society for Pediatric Research in 2002 and was elected to SPR Council in 2016. Since having been on Council, Dr. Bates has been a member of the Mentoring Work Group and the Finance Committee. He is also actively participating in writing an SPR perspectives manuscript that will offer strategies for early stage pediatric clinician scientists (and their institutional leadership) to increase their chances of success in obtaining external funding. Dr. Bates also started a new program under the umbrella of the SPR Peer Mentoring Group entitled "K-Grant 101 for Pediatric Researchers." This 6 month course started in 2017 and selects five applicants from the SPR Junior Member Section who are planning on writing individual K grants (K08 or K23). After an initial face-to-face meeting at the annual spring PAS meeting, Dr. Bates and the participants have monthly teleconferences at which Dr. Bates provides guidance for how to write individual grant sections. The participants then submit grant section drafts for review by Dr. Bates and a peer, after which Dr. Bates and the peers provide oral and written critiques at the follow up meeting. Two classes of participants have completed the course to date and increasing numbers of Junior section members are applying each year. The SPR is tracking past participants successes in obtaining K awards. Dr. Bates intends to continue the course after he completed his term as a Council member in 2019.