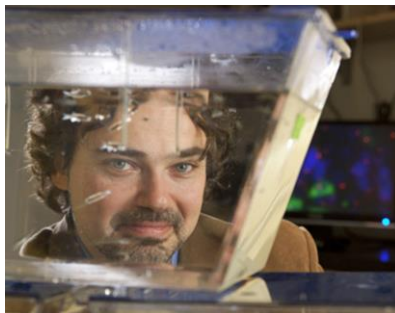# *Environmental Health Sciences Seminar*

"Sequencing Neonates with Suspected Genetic Disorders: Challenges and Benefits"

Nicholas Katsanis, Ph.D.
Director
Center for Human Disease Modeling
Brumley Distinguished Professor of Pediatrics
Duke University

Nicolas Katsanis is Director of the Duke University Center for Human Disease Modeling, which aims to facilitate collaboration across disciplines and to develop physiologically relevant tools to study variation found in human patient genomes. As part of that effort, Dr. Katsanis leads the Taskforce for Neonatal Genomics. This multidisciplinary group of physicians and basic scientists strives to synthesize genomic and biological data for the faster diagnosis, improved/focused clinical care, and potential therapeutic paradigms, for infants and neonates with genetic conditions. In parallel, the Katsanis lab pursues questions centered on the signaling roles of vertebrate cilia, the translation of signaling pathway defects on the causality and possible treatment of ciliary disorders, and the dissection of second-site modification phenomena as a consequece of genetic load in a functional system. In recognition of his work, Dr. Katsanis was awarded the Young Investigator Award from the American Society of Nephrology in 2009, the E. Mead Johnson Award from the Society for Pediatric Research in 2012. Dr Katsanis is a Professor in the Departments of Cell Biology and Pediatrics. He has published over 220 research papers, reviews, and book chapters, serves on several advisory, editorial, and organizational boards and has delivered over 150 lectures in 20 countries.

12:00 p.m. Wednesday, April 8, 2015

60 College Street, LEPH 101

*pizza lunch