

Benjamin, John

Dr. Benjamin did his medical training at Lokmanya Tilak Medical College in Mumbai, India. After medical school, he obtained a Masters in Public Health at the University of South Carolina. Following a residency in Pediatrics at the University of South Alabama, Dr. Benjamin then completed a Neonatal-Perinatal medicine fellowship at the University of Alabama at Birmingham. He is currently an Assistant Professor in the Department of Pediatrics, Division of Neonatology at Vanderbilt University Medical Center.

Dr. Benjamin's research interests are in determining the role of perinatal inflammation in altered lung development and bronchopulmonary dysplasia, a major cause of pulmonary disease in premature infants. Using mouse models and tracheal aspirate samples from preterm infants, Dr. Benjamin's laboratory is investigating the mechanisms by which innate immune signaling disrupt crucial epithelial-mesenchymal interactions in the preterm lung. Current work in his laboratory is focused on understanding how assembly of the critical extracellular matrix scaffold protein, elastin, is modulated by inflammation in the immature saccular stage lung.