



**Shu Wu, MD**

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Dr. Shu Wu is a Professor of Clinical Pediatrics in the Department of Pediatrics at the University of Miami School of Medicine (UMSM), Miami, Florida. Dr. Wu received her medical education in China followed by residency training in Obstetrics and Gynecology at Peking Union Medical College. She came to the US in 1989 to pursue research in Gynecologic Oncology at the Duke University Cancer Center. She then had additional research training at the National Institute of Environmental Health Sciences. In 1998, Dr. Wu joined the Pediatric Residency Training Program at the UMSM and subsequently completed a fellowship in Neonatology in 2003. She became a faculty member of the Division of Neonatology at UMSM and has since worked as a physician-scientist for the last 20 years. She has received many internal and extramural funding to support her research in molecular understanding of chronic lung disease in premature infants. More recently, she has expanded her research to identify novel lung-brain crosstalk and lung-eye axis in the pathogenesis of brain injury and retinopathy of prematurity (ROP) using experimental models. One of the focus areas of her research is on the novel roles of lung-derived extracellular vesicle-inflammasomes in mediating lung-brain crosstalk and lung-eye axis in brain injury and ROP. Her current research is supported by an NIH R01 grant and the Batchelor Award from the UMSM.

Dr. Wu has served as a mentor for more than 30 medical students, pediatric residents, neonatology fellows, and junior neonatology faculty in their research projects at the Neonatal Developmental Biology Laboratory. Five of her fellows received Fellow Basic Research Awards and 2 medical students received Student Basic Research Awards at PAS meetings during the last 10 years. Dr. Wu is an attending physician in the neonatal intensive care unit at UMSM where she provides care for the sickest infants and education for medical students, residents, and fellows.

Dr. Wu's leadership is represented by her serving as the Director of the Neonatal Development Biology Laboratory since 2016, the Co-director of the Pediatric Resident Research Track, and a Member of the Policy & Process Committee of the Research Faculty Council at the University of Miami since 2020. Her national recognition is highlighted by serving as an Associate Editor for the Pediatric Pulmonology and Moderator for PAS Annual Meetings.