

## **SPEAKER BIOGRAPHIES**

### **Diana W. Bianchi, MD**

Dr. Diana Bianchi is Director of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD). Dr. Bianchi oversees research on pediatric health and development, maternal and reproductive health, population dynamics, intellectual and developmental disabilities, and medical rehabilitation. With an annual budget of approximately \$1.3 billion, NICHD supports research grants and contracts at universities and other institutions across the country and overseas and an intramural research program of scientists working at NIH. The mission of NICHD is to enhance lives throughout all stages of human development, from preconception through adulthood, and to improve the health of children, adults, families and communities.

A practicing medical geneticist with special expertise in reproductive genetics, Dr. Bianchi's research focuses on prenatal genomics with the goal of advancing noninvasive prenatal DNA screening and diagnosis to develop new therapies for genetic disorders that can be administered prenatally. She is a member of the National Academy of Medicine and is a past president of the Perinatal Research Society and the International Society for Prenatal Diagnosis. Dr. Bianchi has served on the Board of Directors of the American Society of Human Genetics and on the Councils of the American Pediatric Society and Society for Pediatric Research. She has received the Landmark Award from the American Academy of Pediatrics and the Maureen Andrew Mentor award from the Society for Pediatric Research. Prior to joining NICHD as a full-time employee, she served as a member of the NICHD Advisory Council from 2012-2016.

Dr. Bianchi earned her medical degree from Stanford University School of Medicine. Following medical school, she completed her residency training in pediatrics at Boston Children's Hospital and her postdoctoral fellowship training in medical genetics and neonatal-perinatal medicine at Harvard Medical School.

### **Sean Loudin, MD, FAAP**

Dr. Sean Loudin joined the faculty at Marshall University School of Medicine in July 2011, where he is an Associate Professor in the Department of Pediatrics.

He serves as the medical director for both the Neonatal Therapeutic Unit at Hoops Family Children's Hospital and Lily's Place, where they provide specialized care for drug exposed infants. He is an active researcher and continues to provide leadership in the clinical care of complex neonatal withdrawal.

A native of West Virginia, Dr. Loudin attended both medical school and completed his pediatric residency at Marshall University Joan C. Edwards School of Medicine. He continued his training and completed a Neonatal-Perinatal fellowship at the Medical University of South Carolina.

### **Uma M. Reddy, MD, MPH**

Dr. Uma Reddy joined the Pregnancy and Perinatology Branch in September 2003 as a board-certified obstetrician/gynecologist (OB/GYN) and maternal-fetal medicine specialist. Dr. Reddy manages diverse research studies focused on clinical obstetrics, reproductive epidemiology, and prenatal diagnosis. Her scientific responsibilities also include serving as the program

scientist for the Maternal-Fetal Medicine Units Network and for large research studies focused on adverse pregnancy outcomes, such as the Stillbirth Collaborative Research Network and Genomic and Proteomic Network for Preterm Birth Research. She also is the program scientist for the Nulliparous Pregnancy Outcomes Study: Monitoring Mothers-to-Be (nuMoM2b) study, which will examine 10,000 women in their first pregnancies to understand the mechanisms of and to predict poor pregnancy outcomes.

Prior to joining the Branch, Dr. Reddy was on the faculty at the University of Maryland School of Medicine and in the maternal-fetal medicine division at York Hospital, Pennsylvania. Upon joining NICHD, she worked as a maternal-fetal medicine attending physician at National Naval Medical Center. Since 2010, Dr. Reddy has been a maternal-fetal medicine attending physician at Washington Hospital Center and is a professor of OB/GYN at Georgetown University.

Dr. Reddy has published extensively on the topics of stillbirth and preterm birth, including in leading journals such as the New England Journal of Medicine, the Journal of the American Medical Association, and The Lancet. Dr. Reddy is the NICHD liaison for the Society for Maternal-Fetal Medicine (SMFM) Executive Board and the American Congress of Obstetricians and Gynecologists (ACOG) Committee on Obstetric Practice. She is a fellow of ACOG and a member of the SMFM.

After receiving her undergraduate and medical degrees from Brown University, Dr. Reddy completed her residency in OB/GYN at the Johns Hopkins Hospital. Dr. Reddy then obtained her master of public health in biostatistics at the Johns Hopkins Bloomberg School of Public Health and was a Robert Wood Johnson Clinical Scholar. Dr. Reddy completed her maternal-fetal medicine fellowship at Thomas Jefferson University in Philadelphia.