

Plenary Lecturers

Diana W. Bianchi, M.D.,
Director, NICHD



Found in Translation: Insights Regarding Fetal, Maternal and Placental Biology From Clinical Implementation of Cell-Free DNA Sequencing

Matthew Porteus, M.D.,
Professor, Stanford University



*Genome Editing in Humans:
Where Are We and Should There Be Limits?*

Gavin Kelsey, Ph.D.
Babraham Institute



Single-cell Sequencing Reveals Genetic and Dietary Influences on The Oocyte Epigenome

Kathy Niakan, Ph.D.
The Francis Crick Institute



Regulation of Differentiation During Human Preimplantation Embryo Development

Jeffrey F. Peipert, M.D, Ph.D.
Indiana University School of Medicine



Impact of Long-Acting Reversible Contraception on Public Health Outcomes

Alejandro Sánchez Alvarado, Ph.D.
Stowers Institute for Medical Research



Understanding the Source of Reproductive Plasticity in Planarians

Janet Rossant, PhD, FRS, FRSC
SickKids



Embryos, Stem Cells and Ethical Concerns