Elpida Fragouli, MSc, PhD, FRSB, FIBMS

IVI RMA Global, Oxford, and Nuffield Department of Women's and Reproductive Health, University of Oxford, Oxford, UK

Elpida Fragouli is currently the Laboratory Director of IVI-RMA Global's Basic Research Laboratory in Oxford, UK, and holds a research position at the University of Oxford, Oxford, UK. She earned her Master's degree in Prenatal Genetics and Fetal Medicine from University College London (UCL; London, UK), followed by a PhD in Human Oocyte and Embryo Genetics. She later held research positions at the UCL Centre for Preimplantation Genetic Diagnosis (PGD) and Yale University Medical School (New Haven, CT, USA) and was Laboratory Director at Reprogenetics UK in Oxford.

The genesis of chromosome abnormalities in human gametes, design and application of novel methodologies aimed to improve embryological parameters, outcomes after in vitro fertilization, and identification of patient characteristic traits that could affect fertility and infertility are Dr. Fragouli's main research interests. Her research into finding biomarkers of embryo competence identified several target genes with differential expression in cumulus cells surrounding aneuploid oocytes. Moreover, Dr. Fragouli and her research group were the first to identify the possible role of mitochondrial DNA as a predictor of embryo implantation potential. Dr. Fragouli also played a key role in the development, validation, and clinical application of comparative genomic hybridization, a method which formed the basis of preimplantation genetic testing of aneuploidy via comprehensive chromosome screening.

Dr. Fragouli has published more than 150 peer-reviewed papers, abstracts, and book chapters. She is currently a member of the editorial boards of *Human Reproduction, Fertility and Sterility,* and *Reproductive BioMedicine Online* and a reviewer for a number of journals, including those mentioned above. Dr. Fragouli has received multiple awards for her work, including the New England Fertility Society-PCRS Exchange Prize (2007), the ESHRE Basic Science Prize (2011), and the ASRM SART Prize (2015). She is also a frequently invited speaker at national and international conferences on subjects related to reproductive biology and the genetics of early human development.