

*Cambridge Healthtech Institute's Advances in Reproductive Genetic Diagnostics,  
Boston, USA 2017*

**Oral Presentation Title**

**Quantifying Mitochondrial DNA to Predict Implantation: Myth or Reality**

**Presentation Summary (70 words max)**

**The quantity of mitochondrial DNA in an embryo has been proposed as a biomarker of implantation, but recent studies have challenged this concept. Why is there discordance between different reports, and should it be used as a predictive tool in the clinic?**

**Short Bio (1-2 paragraphs – please do not provide bio in CV format)**

**Manuel Viotti completed a PhD in developmental biology at Weill Cornell. He conducted studies on cell movements and fates in early mammalian embryos, which were published in Nature Cell Biology, Plos Biology, and others. Afterwards he completed a postdoctoral program at Genentech, focusing on cell identity changes in organoids and cancer. Currently, he heads the research efforts at the Zouves Foundation, focusing on molecular and cell biology methods to improve IVF outcomes.**