15th INTERNATIONAL PGD CONFERENCE, BOLOGNA, MAY 8-11, 2016

SCIENTIFIC PROGRAM

Sunday, 8th May, 2016

Pre-Congress Workshop: PGD based on Next Generation Technologies (In collaboration with Illumina)

DAY 1 - Monday, 9th May 2016

Session 1 - The impact of genetic diseases on mankind

Making better babies: pros and cons

Genetic counseling before and after PGD

Medical supervision for genetic tests

Germ-line genetic modification: what is wrong with it?

Interpretation of trials and data analysis for introduction of new techniques (Roundtable)

Session 2 - Novelties in PGD

Introduction of new technologies in the lab: When and How?

Next Generation Sequencing

Potential relevance of segmental aneuploidies in PGD

Simultaneous detection of monogenic and chromosomal disorders

Karyomapping

Blastocentesis: Innovation in embryo biopsy

SELECTED ORAL COMMUNICATIONS

DAY 2 - Tuesday, 10th May 2016

Session 3 - Clinical impact of PGD for aneuploidy

PGD for aneuploidy: Results from a metanalysis

Selection of PGD patients according to their ovarian reserve

PGD for aneuploidy: when it's necessary?

Lifestyle and aneuploidy: is there a correlation?

New perspectives on embryo biopsy: not how, but when and why

PGD for aneuploidy: on day 3 embryos or on blastocysts? (Debate)

Session 4 - PGD as a tool for a better understanding of Embryology/Reproductive Biology

Sperm contribution to aneuploidy

Oocyte contribution to aneuploidy Genetic and epigenetic determinants of human embryos Optimal conditions for the best clinical outcome Extreme IVF Aneuploidies: Embryos' point of view vs. Uterus' point of view (Back to Back Lectures) SELECTED ORAL COMMUNICATIONS DAY 3 - Wednesday 11th May 2015 Session 5 - From Non invasive PGD to NIPT Analysis of the cumulus cells DNA in culture media The impact of low fetal fracture on NIPT results From detection of fetal DNA in maternal blood to NIPT Reliability of aneuploidy screening by NIPT Incidental consequences of NIPT NIPT of fetal aneuploidies: A dream become reality How to improve availability and affordability (Roundtable) Session 6 Translocations and segmental abnormalities Evolution of PGD for translocations Inter-chromosomal effects MPS for translocations Benefits and drawbacks of PGD for translocations Session 7 Mitochondria and Beyond Mitochondria: the engine of the oocytes Preferential segregation of mitochondrial DNA mutation in human oocytes Levels of Mitochondrial DNA and embryonic implantation potential Mitoscore: Myth or reality? Mitochondrial replacement: from ART to stem cells CLOSING LECTURE: 95% success rate in human ART

May 13-15, 2016-Post-Congress Hand-On Workshop on PGD by Blastocyst Biopsy, Istanbul, Turkey