



Berlin, April 10-13, 2022

PRE CONFERENCE COURSES

Sunday, April 10th – pm

2 PCC

Monday April, 11th

2 PCC

To be confirmed



DAY ONE-MONDAY APRIL, 11TH

- 14:00-14:30** **OPENING AND WELCOME**
- 14:30-15:00** **PLENARY LECTURE:** Current Status of Whole Genome Sequencing - Prospect for Expanding PGT Application
- 15:00-16:30** **SESSION 1. Beyond aneuploidy - adjunct methods to assist identification of developmentally competent euploid embryos**
- 15:00-15:30** Metabolomics: Potential biomarkers of developmentally competent embryos
15:30-16:00 Transcriptomics: Mapping transcriptional profile and its correlation to embryo developmental competence
16:00-16:30 Artificial Intelligence and biomarkers of developmentally competent embryos
- 16:30-17:00** COFFEE BREAK
- 17:00-17:30** **PLENARY LECTURE:** Origins and mechanisms of aneuploidy, sub-chromosomal variations and mosaicism
- 17:30-19:00** **SESSION 2. Identification and transfer of embryos with abnormal copy number variations**
- 17:30-18:00** Mosaicism in PGT-A and related PND Experience
18:00-18:30 Sub-chromosomal Variations- Clinical and Biological Significance
18:30-19:00 Follow up of Embryos with Mosaicism and Segmental Aneuploidy



DAY 2- TUESDAY, APRIL, 12TH

- 8:30-9:00** Summary of highlights of previous day and introduction to the second day
- 09:00-09:30** **PLENARY LECTURE:** PGT-A as Standard in IVF practices
- 09:30-11:00** **SESSION 3. Free communications (selected abstracts related to Clinical PGT-A)**
- 11:00-11:30 COFFEE BREAK
- 11:30-12:00** **PLENARY LECTURE:** Expanded Carrier Screening: Impact on PGT-M Uptake
- 12:00-13:30** **SESSION 4. Towards robotization to standardize PGT procedures**
- 12:00-12:30 Embryo Biopsy
- 12:30-13:00 Spent medium sampling
- 13:00-13:30 NGS
- 13:30-14:30 LUNCH BREAK
- 14:30-16:00** **Session 5. New approaches for universal PGT**
- 14:30-15:00 Advantages and disadvantages of available technologies for comprehensive PGT
- 15:00-15:30 Practical application of universal PGT
- 15:30-16:00 Third generation sequencing
- 16:00-16:30 COFFEE BREAK
- 16:30-18:00** **Session 6. Free communications (selected abstracts related to session 5)**



DAY 3- WEDNESDAY, APRIL, 13TH

- 08:30-09:00** Summary of highlights of previous day and Introduction to the third day
- 09:00-09:30** **PLENARY LECTURE:** Expanding PGT-M Application
- 09:30-11:00** **Session 6. Debate: Ethical and Legal Challenges for Modern PGT Advances**
- 11:00-11:30** COFFEE BREAK
- 11:30-13:00** **Session 7. Free communications**
- 13:00-14:30** **Session 8. Progress in Non-invasive PGT: Screening or Diagnosis**
Panel Discussion
- 14:30** **CLOSING REMARKS**