



<https://pgdis2022.com>

Berlin, April 11-13, 2022

PRE CONFERENCE COURSES

Sunday April, 10th - pm

Workshop on non-invasive preimplantation genetic testing (NIPGT)

Monday April, 11th - am

2 PCC

CONFERENCE

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 – **S. Antonarakis**
- 15:00-16:30 **SESSION 1. Beyond aneuploidy - adjunct methods to assist identification of developmentally competent euploid embryos – Chair A Handyside & D Wells**
- 15:00-15:30 Metabolomics: Potential biomarker of developmentally competent embryos
S Munne
- 15:30-16:00 Transcriptomics: Mapping transcriptional profile and its correlation to embryo developmental competence – **S Madjunkova**
- 16:00-16:30 Emerging technologies to improve embryo developmental competence- **D Wells**
- 16:30-17:00 COFFEE BREAK
- 17:00-17:30 **PLENARY LECTURE:** Origins and mechanisms of aneuploidy, sub-chromosomal variations and mosaicism - **U Eichenlaub- Ritter**
- 17:30-19:00 **SESSION 2. Identification and transfer of embryos with abnormal copy number variations - Chairs – JL Simpson and S Rechitsky**
- 17:30-18:00 Sub-chromosomal Variations- Clinical and Biological Significance – **M Katz-Jaffe**
- 18:00-18:30 Follow- up of Embryos with Mosaicism and Segmental Aneuploidy –
M Viotti
- 18:30-19:00 Importance of genetic canceling in transfer decision of mosaic embryos –
Panel Discussion

DAY 2- TUESDAY, APRIL, 12TH

- 8:30-9:00** Summary of highlights of previous day and introduction to the second day-
A Handyside
- 09:00-09:30** PLENARY LECTURE: PGT-A as Standard in IVF practices – **R Scott**
- 09:30-11:00** SESSION 3. Free communications (selected abstracts related to Genetic Counseling & Clinical PGT-A) Chairs: **S Kahraman and A Thornhill**
- 11:00-11:30** COFFEE BREAK
- 11:30-12:00** PLENARY LECTURE: Expanded Carrier Screening: Impact on PGT-M Uptake-
J Goldberg
- 12:00-13:30** SESSION 4. Towards robotization to standardize PGT procedures
Chair-**M Fraser & T Gordon**
- 12:00-12:30** Sampling - **S Munne**
- 12:30-13:00** NGS – **M Fraser**
- 13:00-13:30** Artificial Intelligence-**J Blazek**
- 13:30-14:30** LUNCH BREAK
- 14:30-16:00** Session 5. New approaches for universal PGT - Chairs **M Hughes & G Harton**
- 14:30-15:00** Practical application of universal PGT – **J Vermeesch**
- 15:00-15:30** Third generation sequencing – **D Cram**
- 15:30-16:00** Whole Embryo Sequencing – **C Gowad**
- 16:00-16:30** COFFEE BREAK
- 16:30-18:00** Session 6. Free communications (selected abstracts related to session 5)
Chairs - **J Vermeesch & K Xu**

DAY 3- WEDNESDAY, APRIL, 13TH

- 08:30-09:00** Summary of highlights of previous day and Introduction to the third day-
JL Simpson
- 09:00-09:30** PLENARY LECTURE: Expanding PGT-M Application- **S Rechitsky**
- 09:30-11:00** Session 6. Debate: Genetic Counseling and Ethical Challenges for Modern PGT
Advances – **A Schmutzler (Moderator)**
- 11:00-11:30** COFFEE BREAK
- 11:30-13:00** Session 7. Free communications – Chairs **M Katz-Jaffe & S Hamamah**
- 13:00-14:30** Session 8. Controversy in Application of Non-invasive PGT: Screening or
Diagnosis: Panel Discussion – Chairs **L Gianaroli & C Rubio**
L. Gianaroli; C Rubio; D Leigh
- 14:30** CLOSING REMARKS