

Program Schedule of PGDIS 2020 Conference

Berlin, May 4-6, 2020

DAY 1- Monday 4th May	
8:15-8:30	Opening and Welcome – <i>D Cram & A Kuliev</i>
8:30-9:00	Plenary lecture: Artificial Intelligence and biomarkers of developmentally competent embryos - <i>D Gardner</i>
9:00-10:30	Session 1. Beyond aneuploidy - adjunct methods to assist identification of developmentally competent euploid embryos – <i>Chairmen: C Simon and D Gardner</i> 9:00-9:30 Transcriptomics: Mapping transcriptional profile and its correlation to embryo developmental competence – <i>RF Gallardo</i> 9:30-10:00 Metabolomics: Potential biomarkers of developmentally competent embryos – <i>S Munne</i> 10:00-10:30 MtDNA: Revisiting its relevance for evaluation of embryo developmental competence - <i>R Scott</i>
10:30-11:00	Coffee Break
11:00-11:30	Plenary lecture: Origins and mechanisms of aneuploidy, sub-chromosomal variations and mosaicism - <i>U Eichenlaub- Ritter</i>
11:30-13:00	Session 2. Identification and transfer of embryos with abnormal copy number variation - <i>Chairmen: S Munne and U Eichenlaub- Ritter</i> 11:30-12:00 -Mosaicism in PGT-A and related PND Experience – <i>FR Grati</i> 12:00-12:30 Sub-chromosomal Variations- Clinical and Biological Significance- <i>M Katz-Jaffe</i> 12:30-13:00 Follow up of Embryos with Mosaicism and Segmental Aneuploidy – <i>M Popovic</i>
13:00-14:00	LUNCH BREAK
14.00-14.30	Plenary Lecture: PGT-A as Standard IVF practice in US – <i>R Scott</i>
14:30-15.30	Session 3. Free communications (selected abstracts related to Clinical PGT-A) – <i>Chairmen: A Thornhill & T Gordon</i>
15:30-16:00	Coffee Break
16:00-16:30	Plenary Lecture: CRISPR-based disease modification as possible extension of PGT- <i>H O’Neill</i>
16:30-18:00	Session 4. Automation for improved IVF and PGT – <i>Chairmen: G Harton & T Strowitzki</i>
16:30-17:00	Automated Embryo Biopsy Procedures - <i>TBA</i>
17:00-17:30	Robotic introduction to NGS procedure – <i>G Harton</i>
17:30-18:00	Application of Artificial Intelligence – <i>C Simon</i>

Day 2 – Tuesday 5th May	
8.30-9.00	Summary of highlights of previous day and introduction to the second day – <i>A Handyside</i>
9:00-10:30	Session 5. New approaches for universal PGT- <i>Chairmen: D Leigh and A Handyside</i>
9:00 - 9:30	Advantages and disadvantages of available technologies for comprehensive PGT - <i>D Wells</i>
9:30-10:00	Practical application of universal PGT - <i>J Vermeesch</i>
10:00-10:30	Third generation sequencing – <i>D Leigh</i>
10:30-11:00	Coffee Break
11:00-13:00	Session 6. Free communications (selected abstracts related to session 5)- <i>Chairmen: K Xu & S Hamamah</i>
13:00-14:00	LUNCH BREAK
14.00-14.30	Plenary Lecture: Expanded Carrier Screening in PGT-M Uptake - <i>JL Simpson</i>
14:30-15:30	Session 7. Current Spectrum of PGT-M application:- <i>Chairmen: S Rechitsky and JL Simpson</i>
14.30-15.00	PGT-M Indications: Classification, Accuracy and Clinical Outcome - <i>S Rechitsky</i>
15.00 -15.30	Pinpointing genes involved in severe infertility- <i>S Kahraman</i>
15.30 -16.00	Coffee Break
16:00-18:00	Session 8. Free communications related to session 7 – <i>Chairmen: S Kahraman & M Katz-Jaffe</i>
Day 3, May 6, 2020	
8:30-9:00	Summary of highlights of previous day and Introduction to the third day- <i>JL Simpson</i>
9.00-10:30	Session 9. Debate: Ethical and Legal Challenges for Modern PGT Advances – <i>Moderator: A Schmutzler</i> Panel: <i>L Gianaroli, C Wiesemann, J Taupitz, J Müller-Jung</i>
10:30- 11:00	Coffee Break
11:00-12:20	Session 10. Progress in Non-invasive PGT and PND: <i>Chairmen: L Gianaroli; C Rubio and F Louwen</i>
11:00-11:20	Potential of blastocoel fluid as an approach for NIPGT - <i>L Gianaroli</i>
11:20-11:40	Spent culture medium based NIPGT: how close for practical application- <i>C Rubio</i>
11:40-12:00	Progress in PGT without IVF - <i>S Munne</i>
12:00-12:20	NIPT using isolated placental cells from cervical swabs - <i>M Fraser</i>
12:20-12:40	Late Breaking News – <i>TBA</i>
12:40-13:00	Closing Remarks - <i>D Cram & A Kuliev</i>