

## Program Schedule of PGDIS 2020 Conference

Berlin, May 4-6, 2020

<b>DAY 1- Monday 4<sup>th</sup> May</b>	
<b>8:15-8:30</b>	Opening and Welcome – <i>D Cram &amp; A Kuliev</i>
<b>8:30-9:00</b>	Plenary lecture: Artificial Intelligence and biomarkers of developmentally competent embryos - <i>D Gardner</i>
<b>9:00-10:30</b>	<b>Session 1. Beyond aneuploidy - adjunct methods to assist identification of developmentally competent euploid embryos</b> – <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>
<b>10:30-11:00</b>	<b>Coffee Break</b>
<b>11:00-11:30</b>	Plenary lecture: Origins and mechanisms of aneuploidy, sub-chromosomal variations and mosaicism - <i>U Eichenlaub- Ritter</i>
<b>11:30-13:00</b>	<b>Session 2. Identification and transfer of embryos with abnormal copy number variation</b> - <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>
<b>13:00-14:00</b>	<b>LUNCH BREAK</b>
14.00-14.30	Plenary Lecture: PGT-A as Standard IVF practice in US – <i>R Scott</i>
14:30-15.30	<b>Session 3.</b> Free communications (selected abstracts related to Clinical PGT-A) – <i>Chairmen: A Thornhill &amp; T Gordon</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:30</b>	Plenary Lecture: CRISPR-based disease modification as possible extension of PGT- <i>H O’Neill</i>
<b>16:30-18:00</b>	<b>Session 4. Automation for improved IVF and PGT</b> – <i>Chairmen: G Harton &amp; T Strowitzki</i>
16:30-17:00	Automated Embryo Biopsy Procedures - <i>Yu Sun</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>

<b>Day 2 – Tuesday 5<sup>th</sup> May</b>	
<b>8.30-9.00</b>	Summary of highlights of previous day and introduction to the second day – <i>A Handyside</i>
<b>9:00-10:30</b>	<b>Session 5. New approaches for universal PGT-</b> <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>
<b>10:30-11:00</b>	<b>Coffee Break</b>
<b>11:00-13:00</b>	<b>Session 6.</b> Free communications (selected abstracts related to session 5)- <i>Chairmen: K Xu &amp; S Hamamah</i>
<b>13:00-14:00</b>	<b>LUNCH BREAK</b>
<b>14.00-14.30</b>	Plenary Lecture: Expanded Carrier Screening in PGT-M Uptake - <i>JL Simpson</i>
<b>14:30-15:30</b>	<b>Session 7. Current Spectrum of PGT-M application:-</b> <i>Chairmen: S Rechitsky and JL Simpson</i>
<b>14.30-15.00</b>	PGT-M Indications: Classification, Accuracy and Clinical Outcome - <i>S Rechitsky</i>
<b>15.00 -15.30</b>	Pinpointing genes involved in severe infertility- <i>S Kahraman</i>
<b>15.30 -16.00</b>	<b>Coffee Break</b>
<b>16:00-18:00</b>	<b>Session 8. Free communications related to session 7 –</b> <i>Chairmen: S Kahraman &amp; M Katz-Jaffe</i>
<b>Day 3, May 6, 2020</b>	
<b>8:30-9:00</b>	Summary of highlights of previous day and Introduction to the third day- <i>JL Simpson</i>
<b>9.00-10:30</b>	<b>Session 9. Debate: Ethical and Legal Challenges for Modern PGT Advances –</b> <i>Moderator: A Schmutzler</i> <b>Panel:</b> <i>L Gianaroli, C Wiesemann, J Taupitz, J Müller-Jung</i>
<b>10:30- 11:00</b>	<b>Coffee Break</b>
<b>11:00-12:20</b>	<b>Session 10. Progress in Non-invasive PGT and PND:</b> <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>
<b>12:20-12:40</b>	Late Breaking News – <i>TBA</i>
<b>12:40-13:00</b>	<b>Closing Remarks -</b> <i>D Cram &amp; A Kuliev</i>