

**16th International Conference in Preimplantation Genetic
Diagnosis March 26-29, 2017. Valencia, Spain**

PROVISIONAL SCIENTIFIC PROGRAM

PRE-CONFERENCE COURSES

SUNDAY 26TH March

- PCC:10:00-14:00
- PCC: 15:00-18:00
- 18:00-19:30 PGDIS Board Meeting

MAIN SCIENTIFIC PROGRAM

DAY 1- Monday 27 th March		
8:15-8:30	Opening and welcome of PGDIS 2017. <i>PGDIS Executive Director, Local Organizer (Anver Kuliev, Carlos Simón)</i>	
Plenary lectures		
9:00-9:30	The end of the sex: "Easy PGD-A"	<i>Henk T Greely (USA)</i>
Session 1:	Understanding the genetic risk of the couple	
9:30-10:00	Personalized vs. Extended panels	<i>Santiago Munné (USA)</i>
10:00-10:30	Should we be testing all sperm/egg donors	<i>Julio Martin (Spain)</i>
10:30-11:00	Coffee Break	
Session 2:	Intrinsic factor contributing to embryo aneuploidy	
11:00-11:30	Common variants associated with mitotic-origin of aneuploidy in human embryos	<i>Mc Coy (Science, Stanford, USA)</i>
11:30-12:00	Relationships between cancer and aneuploidy	<i>DePamphilis ML (USA)</i>
12:00-12:30	Implications of <i>MTHFR</i> gene polymorphisms in embryo viability and aneuploidy	<i>Dagan Wells (UK)</i>
12:30-13:00	Embryo aneuploidy induced by the sperm.	<i>Benkhalifa M (France)</i>
13:00-14:00	Lunch break	
Session 3:	Free communications (related to carrier screening and PGD)	
14:00-15:30	6 communications-15 mins each	
15:30-16:00	Coffee Break	
Session 4:	Extrinsic factors contributing to embryo aneuploidy	
16:00-16:30	Controlled Ovarian Stimulation	<i>Richard Scott (USA)</i>
16:30-17:00	Embryo culture conditions and more	<i>McCullough (USA)</i>
17:00-17:30	Lifestyle and Environment	<i>Pat Hunt (USA)</i>

*Speakers dinner

DAY 2- Tuesday 28th March

8:00-8:15	Summary of highlights previous day and Introduction to second day Member of PGDIS Board (Svetlana Rechistky)	
Session 5:	Challenging PGD-A diagnosis. Mosaicism	
8:15-8:45	Plenary Lecture Mouse model of chromosome mosaicism reveals lineage-specific depletion of aneuploid cells and normal developmental potential	<i>Magdalena Zernicka-Jones (UK)</i>
8.45-9:00	How to report and counsel mosaicism and segmentals in PGD-A	Don Leigh (Australia)
9:00-9:15	Mosaicism and segmentals in POCs and prenatal diagnosis	David Cram (China)
9:15-10:00	Specific Views (from abstracts)	
10:00- 10:30	Conclusion Joe Leigh Simpson	
10:30-11:00	Coffee Break	
Session 6:	How to improve clinical outcome in PGD-A	
11:00-11:30	Laboratory conditions/biopsy strategies	<i>Swain (USA)</i>
11:30-12:00	When to transfer? Fresh vs. deferred transfer	<i>Kahraman (Turkey)</i>
12:00-12:30	Review of the clinical evidence of MtDNA for embryo viability	<i>Gianaroli (Italy)</i>
12:30-13:00	What about the maternal endometrium. The search for the personalized WOI and Microbiota	<i>C Simon (Spain)</i>
13:00-14:00	Lunch break	
Session 7:	Free communications (related to PGD-A, mosaicism, biopsy)	
14:00-15:30	6 communications-15 mins each	
15:30-16:00	Coffee Break	
Session 8:	Border-line indications for PGD	
16:00-16:30	PGD for HLA (ESHRE data collection)	<i>Trager-</i>

		<i>Synodinos (PGD consortium)</i>
16:30-17:00	Experience in PGD for Cancer	<i>Svetlana Rechistky (USA)</i>
17:00-17:30	Current limitations of Karyomapping	<i>Alan Handyside (UK)</i>

***Congress dinner**

DAY 3- Wednesday 29th March		
8:00-8:15	Summary of highlights previous day and Introduction to third day Member of PGDIS Board (Alan Handyside)	
8:15-8.45	Plenary Session Gene editing for nuclear and mitochondrial DNA mutations (Juan Carlos Izpizua, Salk Institute, La Jolla,USA)	
Session 9:	Free communications (related to new technologies, non invasive, etc)	
8:45-10:30	7 communications-15 mins each	
10:30-11:00	Coffee Break	
Session 10:	The near future	
11:00-11:30	Cumulus cells RNA sequencing from individual oocytes related to euploid oocyte competence	<i>Katz-Jaffe (USA)</i>
11:30-12:00	Ovarian rejuvenation. Is that for real	<i>A Pellicer (Spain)</i>
12:00-12:30	Label Free DNA imaging in vivo with stimulated Raman scattering microscopy	<i>Fa-Ke Lu (PNAs Harvard, MA)</i>
12:30-13:00	Concurrent preimplantation genetic diagnosis for single gene disorders and comprehensive chromosomal aneuploidy testing without whole genome amplification.	<i>N Treff (USA)</i>
13:00-14:00	Lunch break	
Session 11:	Removing barriers to adopt genetic test in Reproductive Medicine	
14:00-14:30	Carrier Screening. Disease prevention vs cost-effectiveness	<i>TBA</i>

14:30-15:00	Obstacles to implement PGD-A in ART	<i>David Jimenez (Spain)</i>
15:00-15:30	How are we perceived by our clinical fellows? Critical review of SART and ESHRE data	K, Xu
15:30-16:30	Late-breaking session RCTs/ Non- invasive PGD	
16:30-17:00	Closing Remarks and presentation of next meeting	