

# CoGEN 2020 Program

## THURSDAY, November 5, 2020 – Pre Congress Courses

### CooperSurgical Fertility and Genomic Solutions Pre Congress Course

- 14:00-18:30**     **Preimplantation genetic testing (PGT): Latest insights**  
**Chair: Avner Hershlag, USA**
- 14:00-14:10     Welcome and opening remarks: **Avner Hershlag, USA**
- 14:10-14:40     Genetics for the non-geneticist  
**Yuval Yaron, Israel**
- 14:40-15:10     PGT-A shifting technology  
**TBA**
- 15:10-15:40     Evidence-based approach to PGT-A (to include Mosaicism)  
**TBA**

**15:40-16:00**     ***Coffee Break***

- 16:00-16:30     PGT-M for single gene mutations  
**TBA**
- 16:30-17:00     Ethical and Legal Issues with PGT  
**TBA**
- 17:00-17:30     Where is PGT going next? : a look to the future  
**Dagan Wells, UK**
- 17:30-18:30     **Q&A and Panel Discussion**

**18:30**     **Welcome Reception**

## FRIDAY, November 6, 2020

**08:30-10:05**     **Session 1: The Origins of Aneuploidy**  
**Chairs: Simon Fishel, UK; Yuval Yaron, Israel; Alexandra Benachi, France; Terry Hassold, USA**

- 08:30-08:35     Welcome Note  
**Alexandra Benachi, France**
- 08:35-08:50     Introduction  
**Terry Hassold, USA**
- 08:50-09:15     Deconstruction of asymmetric cytokinesis human oocytes: a determinant of embryonic aneuploidy  
**David Albertini, USA**
- 09:15-09:40     Origins of aneuploidy  
**Lina Wartosch, Germany**
- 09:35-10:05     TBA  
**Christian Ottolini, UK**

**10:05-10:30**     ***Coffee Break and Poster Viewing***

**10:30-12:00**     **Session 2: Molecular advances in Prenatal Diagnosis**  
**Chairs: TBA**

- 10:30-11:00     Modern approach to laboratory workup of congenital anomalies  
**Brynn Levy, USA**
- 11:00-11:30     Update on exome sequencing in prenatally identified fetal anomalies  
**Lyn Chitty, UK**
- 11:30-12:00     The future of cell free DNA in prenatal diagnosis  
**Rossa Chiu, Hong Kong**
- 12:00-12:15     **Technical break**

**12:15-13:15**     **Industry Supported Symposium**

**13:15-14:00**     ***Lunch Break***

<b>14:00-16:00</b>	<b>Session 3: Non-invasive prenatal testing and diagnosis (NIPT/NIPD)</b> <b>Chairs: Rossa Chiu, Hong Kong; Mark Pertile, Australia</b>
14:00-14:30	The TRIDENT study and genome wide cfDNA testing <b>Diane Van Opstal, Netherlands</b>
14:30-15:00	The importance of detecting rare autosomal trisomies (RATs) in NIPS <b>Mark Pertile, Australia</b>
15:00-15:30	Single circulating trophoblast testing for noninvasive prenatal diagnosis <b>Art Beaudet, USA</b>
15:30-16:00	TBA <b>Maria del Mar Gil, Spain</b>

**16:00-16:30** *Coffee Break & Poster Viewing*

<b>16:30-18:00</b>	<b>Session 4: Invasive testing versus screening for all pregnant women</b>
16:30-17:05	<b>For Invasive: Neeta Vora, USA</b>
17:05-17:40	<b>For Screening: Maria del Mar Gil, Spain</b>
17:40-18:00	<b>Discussion</b>

**SATURDAY, November 7, 2020**

**08:30-10:30** **Session 5: Preimplantation genetic testing (PGT)**

08:30-09:00	Expanded Carrier screening <b>TBA</b>
09:00-09:30	PGT-M for single gene mutations <b>TBA</b>
09:30-10:00	Utilization of PGT for polygenic disease risk reduction: an update <b>Nathan Treff, USA</b>
10:00-10:30	Noninvasive PGT <b>Svetlana Madjunkova, Canada</b>

**10:30-11:00** *Coffee Break and Poster Viewing*

**11:00-13:00** **Session 6: Preimplantation genetic testing (PGT)**

11:00-11:30	Update of PGT-A <b>Dagan Wells, UK</b>
11:30-12:00	Origins of embryonic chromosomal anomalies and clinical consequences <b>Joris Vermeesch, Belgium</b>
12:00-12:30	TBA <b>Santiago Munne, Spain</b>
12:30-13:00	Relevance of assessing the uterine microbiota in infertility. <b>Immaculada Moreno, Spain</b>

**13:00-13:45** *Lunch Break*

**13:45-15:45** **Session 7: TBA**

**15:45-16:00** *Coffee Break & Poster Viewing*

**16:00-17:30** **Session 8: Debate:**

17:30-17:40	Closing remarks <b>Yuval Yaron, Israel</b>
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