

**The 9th World Congress on Controversies in
Preconception, Preimplantation and Prenatal Genetic Diagnosis (CoGEN)**
November 4, 2022, 10:25-16:00 (CET)
November 5, 2022, 10:30-14:30 (CET)

Friday November 4, 2022

10:25-16:00 Central European Time (CET)

| | |
|--------------------|---|
| 10:25 | Welcome Note Yuval Yaron , Israel |
| 10:30-11:00 | Clinical use cases of Prenatal Genome Sequencing <i>Sponsored symposium- Illumina</i> |
| 10:30-10:45 | From prenatal exome sequencing to prenatal genome sequencing: takeaways from >1500 cases Peter Bauer , Centogene, Germany |
| 10:45-11:00 | Clinical application of prenatal WGS with an in silico gene panel for detecting genetic causes to non-immune hydrops fetalis Eini Westenius , Sweden |
| 11:00-12:30 | Session 1: Advances in Prenatal Diagnosis |
| 11:00-11:30 | Prenatal ES for the investigation of congenital malformations: the UK experience Mark Kilby , UK |
| 11:30-12:00 | Prenatal exome and genome sequencing in pregnancy Neeta Vora , USA |
| 12:00-12:30 | Genetics of fetal growth restriction Toni Borrell , Catalunya |
| 12:30-13:30 | Developments in Rolling Circle Amplification for Prenatal Screening <i>Sponsored symposium- Perkin Elmer</i> |
| | Introduction Tarja Ahola , Finland |
| | Screening for main aneuploidies with Rolling Circle Amplification in twin pregnancies Alexandre Vivanti , France |
| | Evaluation of a simplified cfDNA screening method for common autosomal trisomies: Issues and updates Geralyn Lambert-Messerlian , USA |
| | Prenatal screening performance of the RCA methodology Glenn E. Palomaki , USA |
| | Live Q&A Session Alexandre Vivanti , France Geralyn Lambert-Messerlian , USA Glenn E. Palomaki , USA Olof Karlberg , Sweden |
| 13:30-16:00 | Session 2: Non-Invasive Prenatal testing |
| 13:30-14:00 | CLIA lab experience with a non-invasive cell-based prenatal genetic test Art Beaudet , LunaGenetics, USA |
| 14:00-14:30 | Cell-based NIPT: a new approach for prenatal testing Francesca Romana Grati , Menarini Biomarkers, Italy |
| 14:30-15:00 | Cell based NIPT – Special focus on screening for cystic fibrosis by detecting the 50 most common variants in the CFTR gene Line Dahl Jeppesen , ARCEDI, Denmark |
| 15:00-15:30 | cfDNA testing: the more the better? Liona Poon , Hong Kong |
| 15:30-16:00 | The NIPT model implemented in England Pranav P Pandya , UK |

Saturday, November 5, 2022
10:30-14:30 Central European Time (CET)

| | |
|--------------------|--|
| 10:30-11:30 | A CE-marked IVDD Preimplantation Genetic Analysis Solution of Aneuploidies in Embryos <i>Sponsored symposium- Thermo Fisher Scientific</i> Alain Rico , Sr. Manager, market Development, Thermo Fisher Scientific, France |
| | <ol style="list-style-type: none">1. Introduction to Preimplantation Genetic Testing (PGT)2. EU MD Regulation3. Ion ReproSeq PGS Reagents (GPR) and GeneStudio S5 Systems (GLE)4. Ion Reporter Software Aneuploidy Dx Workflows |
| 11:30-14:30 | Session 3: Preimplantation genetic testing (PGT) Moderator: Avner Hershlag, USA |
| 11:30-12:00 | The developmental and chromosomal landscape of human embryonic arrest Christian Ottolini, UK |
| 12:00-12:30 | Is PGT always right? Tony Gordon, UK |
| 12:30-13:00 | Cell-free PGTa – better genomic accuracy? Svetlana Madjunkova, Canada |
| 13:00-13:30 | PGT for 'de novo' aberrations Martine De Rycke, Belgium |
| 13:30-14:00 | Misconceptions of polygenic risk scoring for embryo selection (PGTP) Nathan Treff, USA |
| 14:00-14:30 | Congress summary and Highlights Yuval Yaron, Israel |