

ISPD 29th International Conference on Prenatal Diagnosis and Therapy
30 October – 2 November 2025, Cape Town, South Africa

Industry Session Details

Friday, 31 October 2025

1:15-2:15 PM: Industry Lunch Symposium sponsored by Illumina; “Expanding Genomic Analysis for Pregnancy Loss and Stillbirth” - Antoni Borrell* (virtual), Michael Talkowski* (virtual). Moderator: Swaroop Aradhya

2:30-3:45 PM: Prenatal Genomics Abstracts:

- Prospective Evaluation of Non-Invasive Prenatal Screening for Dominant Single-Gene Disorders in General-Risk Pregnancies - Dong Liang
- Genetic Determinants of Cell-Free DNA: Insights from GWAS and implications for NIPT - Jasper Linthorst
- Leveraging whole genome sequencing from the All of Us Research Program to identify novel genes and endogenous retroviral loci associated with recurrent pregnancy loss and female infertility - Ignatia Van den Veyver
- Performance Metrics of Non-Invasive Prenatal Testing Panels for Dominant Single Gene Disorders: A Multidimensional Meta-Analysis - Yangyi Liu
- Genome versus exome sequencing and microarray for anomalous pregnancies - Sophie Adams
- Curating the fetal genome: Updated Experience of the ClinGen Prenatal Gene Curation Expert Panel (GCEP) - Stephanie Galloway
- Prevalence and inheritance of recurrent pathogenic and susceptibility CNVs detected by prenatal microarray testing: Experience from a single laboratory in Taiwan - Szu-Yin Cheng*

*indicates industry-affiliated speaker or moderator/chair

Saturday, 1 November 2025

7:30-9:00 AM: Technologies in Reproductive Screening & Diagnosis SIG Meeting; Chairs: Francesca Romana Grati* & Natalie Chandler

11:15 AM-12:00 PM: Lightning Communications 1 Abstracts:

- Cell-based NIPT: One test for the most common prenatal syndromes, including Down syndrome, 22q11 deletion syndrome, and cystic fibrosis - Ida Vogel
- Fetal cell-free DNA screening detects pregnancies at increased risk for genetic conditions linked to uniparental disomy - Xiang Qiu
- Placental cytogenetic analyses provide a glimpse into the black box of early embryogenesis - Simon Horsholt Thomsen
- Data from a cell-based NIPT commercial test – EVITA TEST COMPLETE - Ripudaman Singh*
- Single gene NIPT facilitates early identification and in-utero treatment of fetuses with cystic fibrosis: Two case reports - Aaron Trimble
- Enhanced Detection of Fetal Submicroscopic Pathogenic Copy Number Variants by Single-Cell Sequencing-based screening of Trophoblasts in Maternal Blood - Francesca Romana Grati*
- APPLICATION OF EXOME SEQUENCING IN FETUSES WITH INCREASED NUCHAL TRANSLUCENCY: PROSPECTIVE EXPERIENCE FROM A SINGLE CENTER - Phuong Cao

12:30-1:30 PM: Industry Lunch Symposium sponsored by BillionToOne; topic and speakers* TBD

Sunday, 2 November 2025

- 8:00-9:00 AM: Industry Breakfast Symposium (maybe); sponsor, topic, and speakers* TBD
- 2:00-2:30 PM: Late Breaking Abstracts
- Evaluating Genome Sequencing as the Primary Diagnostic Prenatal Test: A Prospective Blinded Cohort Study - Vaidehi Jobanputra
 - Noninvasive prenatal establishment of fetal genome and disease diagnosis via artificial intelligence - Kaiwen Deng*
 - Prenatal innovative therapy for severe fetal spinal muscular atrophy (SMA) - Ignatia Van den Veyver