



15th European Cytogenomics Conference

Leuven, June 29 - July 1, 2025

Sunday June 29

9:30-12:45	Hands-on workshops: UCSC, Illumina, Bionano, Nanopore (http://www.biologia.uniba.it/SEC/Workshops.html)
14:00-17:50	Permanent Working Groups
18:00-19:00	Opening lecture - Evan E. Eichler: Complete chromosomes and complex genomes

Monday June 30

8:30-10:15	Plenary session 1 - Structural variation in health and disease	
8:30-9:00	Alexander Reymond	The pleiotropic spectrum of proximal 16p11.2 CNVs
9:00-9:30	David Porubsky	Structural variation of 22q11.2 region in normal and diseased human population
9:30-10:00	Tobias Marschall	Mapping structural variation in the pangenome
10:00-10:15	<i>Selected abstracts</i>	
Coffee break		
10:45-12:00	Plenary session 2 - Complexity of cancer genomes	
10:45-11:15	Jonas Demeulemeester	Multimic long-read sequencing to improve diagnosis and care of genomically complex sarcomas
11:15-11:45	Stefano Santaguida	Mechanistic insights into the consequences of chromosome segregation errors on cell physiology
11:45-12:15	<i>Selected abstracts (2)</i>	
Poster session		
14:30-15:45	Concurrent Session 1 - Meiosis and Mitosis	
14:30-15:00	Marta De Ruijter-Villani	Meiosis/mitosis transition
15:00-15:30	Carolina Villarroja-Beltri	Mosaic variegated aneuploidy in development, ageing and cancer
14:30-15:45	Concurrent Session 2 - Automation and AI in Clinical Genetics	
14:30-15:00	Claudia Haferlach	Application of AI in hematological diagnostics
15:00-15:30	Robert Kuhn	Online resources at UCSC
Coffee break		
15:45-17:30	Plenary Session 3 - Clinical Cytogenomics	
15:45-16:15	Thomas Bourgeron	Contribution of the SV/SNV in the genetic architecture of autism and beyond
16:15-16:45	Jesper Eisfeldt	Long read genome sequencing in clinical cytogenomics
16:45-17:15	Andrea Ciolfi	DNA methylation profiling as a diagnostic tool
17:15-17:30	<i>Selected abstracts</i>	
17:30-18:30	Poster session	

Tuesday July 1

8:30-10:30	Plenary Session 4 - Animal, Plant and Comparative Cytogenomics	
8:30-9:00	Aurora Ruiz-Herrera	Evolution and function of 3D chromatin folding
9:00-9:30	Julie Sardos	Diversity and diversification in banana: how in silico chromosome painting opens new perspectives for the conservation and use of an iconic fruit
9:30-10:00	Pat Heslop-Harrison	What cytogenomics has done, and is doing, for agriculture in our world
10:00-10:30	<i>Selected abstracts (2)</i>	
Coffee break		
11:00-12:15	Concurrent Session 3 - Nuclear organisation and disease	
11:00-11:30	Martin Mensah	Nucleolar dysfunction in rare genetic diseases
11:30-12:00	Cristina Cardoso	Epigenetic reprogramming and disease
12:00-12:15	<i>Selected abstracts</i>	
11:00-12:15	Concurrent Session 4 - Clonal correction of constitutional chromosome imbalances	
11:00-11:30	Diane Van Opstal	Confined placental mosaicism
11:30-12:00	Alfredo Brusco	Somatic recombination and the removal of the structural variant: any phenotypic outcome?
12:00-12:15	<i>Selected abstracts</i>	
Poster session		
14:00 - 15:45	Concurrent Session 5 - Accreditation and workshop on ISCN	
14:00 - 14:30	Konstantin Miller	ISO15189 and cytogenetic laboratories
14:30-15:45	Jean-Michel Dupont	Workshop on ISCN 2024
14:00 - 15:45	Concurrent Session 6 - Applied Cytogenotoxicity	
14:00 - 14:30	Alba Hernandez Bonilla	Genotoxicity and carcinogenicity of long-term micro- & nanoplastics exposure: current understanding and future directions
14:30-15:00	Ans Baeyens	Chromosomal radiosensitivity testing for inborn errors of immunity
15:00-15:15	<i>Selected abstracts</i>	
Coffee break		
16:15-17:30	Plenary Session 5 - Prenatal Diagnosis and Preimplantation	
16:15-16:45	Alan Handyside	PGT, with a focus on aneuploidies
16:45-17:15	Nathalie Janel	Prenatal treatment of chromosomal anomalies
17:15-17:30	<i>Selected abstracts</i>	
17:30-18:30	Closing keynote - Joris Vermeesch: Cytogenomics, where we are and where we are heading	
18:30:00	Closing ceremony	