15th European Cytogenomics Conference
Leuven, June 29-July 1, 2025
Permanent Working Groups

Sunday June 29 14:30-17:30

14:30-16:30	**Animal, plant, and comparative cytogenetics (P. Heslop-Harrison) Room ALO 05.100**	
14:30-14:35	**Coordinators**	Welcome and foreword by PWG Coordinators
14:35-14:50	Andreas Houben	Does chromoanagenesis play a role in the origin of B chromosomes?
14:50-15:05	Alla Krasikova	Retrotransposable elements drive transcription of tandem repeats
15:05-15:20	Ioana Nicolae	Cytogenetic investigations in Romanian Black and White Spotted cattle
15:20-15:35	Lyubov Malinovskaya	Germline-restricted chromosome during embryogenesis in sand martin (riparia riparia)
15:35-15:50	Ahmet L Tek	A novel model for functional centromere composition in soybean and Glycine soja
15:50-16:05	Alessia Daponte	Unraveling the genetic architecture of centromeres with CENdetectHOR
16:05-16:20	Paulina Tomaszewska	Repetitive DNA sequences mark genome boundaries in the terrestrial orchid epipactis zinn
16:20	**Coordinators**	General discussion and Conclusive remarks
16:30-17:30	**Chromosomes' integrity, stability, and dynamics (J. Garcia-Sagredo - E. Volpi) Room ALO 05.100** ***Exploring new chromosomal paradigms for precision medicine and early disease detection***	
16:30-16:40	**Coordinators**	Welcome and foreword by PWG Coordinators
16:40-16:50	Ulrike Mau-Holzmann	Multiple Variable Chromosomal Aberrations in Primary Fibroblasts: Further Hints to Chromosomal Instability as a Long-Term Effect Even Years After Irradiation
16:50-17:00	Claudia Oliveira	The DEB Test Beyond Fanconi anaemia: A new look into chromosome instability
17:00-17:10	Zuzanna Graczik	Impact of sperm fractioning on chromosome positioning, chromatin integrity and DNA methylation level
17:10-17:20	Radhia M'kacher	Telomere Dysfunction, DNA Breaks, Chromosomal Aberration Formation and the Dark Side of the Centromere
17:20	**Coordinators**	Conclusive remarks and new initiative announcement by PWG Coordinators
15:30-17:30	**Clinical and molecular approaches to cytogenetic syndromes & cytogenomics (J. Vermeesch - A. Lindstrand - D. Sanlaville) Room GA1**	
15:30-15h35	**Coordinators**	J. Vermeesch - A. Lindstrand - D. Sanlaville
15h35-15h45	Paolo Evangelidou	A rare and complex case of a male patient with DiGeorge – like phenotype, carrying three different mosaic copy number variants on chromosome 22
15h45-15h55	Caroline Schluth -Bolard	FGF14 disruption by constitutional chromoanagenesis as a cause of spinocerebellar ataxia
15h55-16h05	Leslie Kulikowski	Resolving the Unresolved: Epigenomic Profiling as a Diagnostic Tool for Copy Number Variants of Uncertain Significance
16h05-16h15	Martine Doco-Fenzy	Invdupdel Or Duptrp Rearrangements Revisited Using Array-CGH And Optical Genome Mapping
16h15-1625	Lusine Nazaryan-petersen	Detection Of Structural Variants By Short Read Whole Genome Sequencing And Interpretation For Genetic Diagnosis
16h25-16h35	Marlene Ek	Long Read Genome Sequencing Enhances Diagnosis Of Pediatric Neurological Disorders
16h35-16h45	Igor Lebedev	X Chromosome Cnv Reclassification Integrating X Inactivation Status For Improved Pathogenicity Assessment
16h45-16h55	Esmee Ten Berk De Boer	Investigating X Chromosome Inactivation Patterns In X Autosome Translocations Using Long Read Sequencing And The T2t Genome Assembly
16:55-17:30	**Coordinators**	General discussion and Conclusive remarks
14:30-16:30	**Neoplasia (H. Rieder - P. Caria) Room ALO 07.100**	
14:30-14:35	**Coordinators**	Welcome and foreword by PWG Coordinators
14:35-14:45	Tadeusz Kałużewski	Evaluation of the Utility of TERT Promoter Mutations in the Early Detection of Urothelial Cancer
14:45-14:55	Marija Dencic Fekete	Distribution of gene aberrations in chronic lymphocytic leukemia by NGS testing in a Serbian patient cohort
14:55-15:05	Marie-Bérengère Troadec	What is wrong with the deletion of chromosome region 5q in myelodysplastic syndrome? Identification of a novel actor of the sensitivity to lenalidomide of MDS with del(5q)
15:05-15:15	Uliana Lykhova	Beyond t(12;21): unveiling the hidden layers in all karyotypes
15:15-15:25	Laura Yissel Rengifo	Dynamic Follow Up Of Tumor Burden In Multiple Myeloma Through Analysis Of Ccfdna Markers
15:25-15:35	Seon Y Kim	Detection of measurable residual disease using fluorescence in situ hybridization compared with multiparametric flow cytometry in patients with B-lymphoblastic leukemia
15:35-15:45	Hila Lederman Nachmias (penc	New Insights Affecting Classification, Prognosis and Treatment of Multiple Myeloma Using Optical Genome Mapping
15:45-15:55	Soumaya Mougou-Zerelli (penc	Mapping Cancer Risk in Constitutional Chromosomal Deletions: A Cytogenetic Analysis
15:55-16:30	**Coordinators**	General discussion and Conclusive remarks
16:30-17:30	**Prenatal diagnosis (R. Pinto Leite - J.-M. Dupont) Room ALO 07.100**	
16:30 -16:35	**R.Pinto Leite**	Introduction
16:35 -16:45	A.Vardanyan	Retrospective analysis of cytogenetic findings in pregnant women at risk following first-trimester screening: insights from NIPT in Armenia
16:45 - 16:55	M.A.Caro Miro	Circuit of prenatal screening with free circulating fetal DNA in the balearic islands
16:55 - 17:10	R.Pinto Leite	NIPT in Europe, Result of the PWG survey
17:10 - 17:20	K.Cassinari	First Prenatal Case of Jumping-like Translocations: Unraveling Complex Chromosomal Rearrangements
17:20 - 17:30	N.Chatron	Comparative Efficacy of cfDNA and aCGH in Detecting Chromosomal Aberrations Post-Miscarriage