



CYPRUS
SOCIETY OF
HUMAN
GENETICS

10th International Conference

31st OCTOBER - 1st NOVEMBER 2025

Shacolas Educational Center for Clinical Medicine, Nicosia, Cyprus



cshg.org.cy



FRIDAY OCTOBER 31 ST		
(14:00) REGISTRATION & COFFEE		
OPENING		
14:30		Welcome Address CSHG, <i>Marios Ioannides</i> , President of the Cyprus Society of Human Genetics
14:40		Welcome Address, <i>Ministry of Health</i>
14:50	Keynote Lecture	The Genome of Europe: Towards using Genetic Information in Health Care and Prevention <i>André Uitterlinden</i> , Erasmus University Medical Center
	Session 1	Federated analyses of genetic data Chair: <i>Gregory Papagregoriou</i>
15:30	Invited Lecture	The CYPROME Genomics Platform: A Framework for Precision Medicine in Cyprus, <i>Apostolos Malatras</i> , biobank.cy Center of Excellence, University of Cyprus
15:50	Invited Lecture	Bioinformatics Insights into Network Roadmaps Linking EBV to Multiple Sclerosis <i>George Spyrou</i> , The Cyprus Institute of Neurology and Genetics
16:10	Invited Lecture	Cancer and adaptation: What is the evidence? <i>Konstantinos Voskarides</i> , University of Nicosia
16:30	Invited Lecture	Breast cancer risk prediction <i>Kyriaki Michailidou</i> , The Cyprus Institute of Neurology and Genetics
(16:50) COFFEE BREAK		
	Session 2	Cancer Diagnosis, Mechanisms & Therapies Chairs: <i>Panos Papageorgis</i> , <i>Kostas Koufaris</i>
17:10	Invited Lecture	A synergistic approach for modulating the tumor microenvironment to improve therapeutic outcomes in cancer, <i>Fotios Mpekris</i> , The Cyprus Institute of Neurology and Genetics
17:30	Invited Lecture	Liquid Biopsy-Guided Therapy Selection; Insights into Clinical Application in Cancer <i>Chrysa Soteriou</i> , MedicoGenetics
17:50	Invited Lecture	Mapping the Breakome in BRCA1/2 Mutation Carriers Reveals Early DNA Damage Landscapes in Breast Oncogenesis, <i>Rami Aqeilan</i> , Cyprus Cancer Research Institute
18:10	Invited Lecture	Molecular Pathways Driving the Transition from Dormancy to Colonization in Metastatic Breast Cancer, <i>Christiana Neophytou</i> , European University Cyprus
SELECTED ABSTRACT SESSION I		
18:30	Selected Abstract	Improving Risk Prediction through Rare Variant Classification in Breast Cancer Genes <i>Damianos Michaelides</i> , The Cyprus Institute of Neurology and Genetics
18:40	Selected Abstract	Fine-mapping in East Asian-ancestry individuals to refine breast cancer risk loci <i>Maria Zanti</i> , The Cyprus Institute of Neurology and Genetics
18:50	Selected Abstract	An efficient strategy to resolve the structural complexity of the RCCX locus in Congenital Adrenal Hyperplasia, <i>Pavlos Fanis</i> , The Cyprus Institute of Neurology and Genetics
(19:00) COCKTAIL - POSTER VIEWING		



SATURDAY NOVEMBER 1 ST		
(09:00-10:00) REGISTRATION & COFFEE		
10:00	Keynote Lecture	New genetic syndromes in Endocrine Oncology: from the clinic to the lab & back <i>Konstantinos Stratakis</i> (virtual), ASTREA Health
	Session 3	Therapies for Inherited Disorders Chairs: <i>Paschalis Nicolaou, Petros Patsalis</i>
10:40	Invited Lecture	Treatment with 4-phenylbutyrate improves the kidney phenotype in a mouse model of Alport syndrome with a pathogenic variant in Col4a3 <i>Christoforos Odiatis</i> , biobank.cy Center of Excellence, University of Cyprus
11:00	Invited Lecture	Advanced Therapies for Genetic Blood Disorders <i>Panayiota Papassava</i> , The Cyprus Institute of Neurology and Genetics
11:20	Invited Lecture	Emerging Therapeutic Approaches for Myotonic Dystrophy Type 1 <i>Andrie Koutsoulidou</i> , The Cyprus Institute of Neurology and Genetics
11:40	Invited Lecture	Gene therapies for rare neuromuscular disorders <i>Kleopas Kleopa</i> , The Cyprus Institute of Neurology and Genetics
SELECTED ABSTRACT SESSION II		
12:00	Selected Abstract	EDIT-4-IRON: Genome Editing Strategies for Iron Regulation in Hereditary and Acquired Hematological Disorders, <i>Mohamed Azzam</i> , The Cyprus Institute of Neurology and Genetics
12:10	Selected Abstract	Widespread tissue delivery of antagomiRs via intramuscular administration <i>Christodoulos Messios</i> , The Cyprus Institute of Neurology and Genetics
12:20	Selected Abstract	From basic research to pre-clinical studies, a 25-year journey <i>Constantinos Deltas</i> , biobank.cy Center of Excellence, University of Cyprus
12:30	Selected Abstract	Importance of clinical interpretation in the era of massive genomic data, <i>Sophia Ourani</i> , Makarios III Hospital
(12:40-13:40) LUNCH BREAK – POSTER VIEWING		
	Session 4	Advances in Sequencing Technologies
13:40	Sponsored talk	Driving the multiomics revolution, the latest innovations from illumina, <i>Sciontronics</i>
14:00	Sponsored talk	Rapid NGS testing in medical research, <i>C.Georgiou Lab Supplies</i>
14:20	Sponsored talk	Nanopore sequencing: Novelty without compromise, <i>Elta90MGR</i>
	Session 5	Reproductive genetics, Chairs: <i>Carolina Sismani, Elena Kypri</i>
14:40	Invited Lecture	Prevalence and inheritance of susceptibility loci with incomplete penetrance and variable expressivity detected by prenatal and postnatal microarray testing, <i>Vasiliki Chini</i> , Medicovert Genetics
15:00	Invited Lecture	Refining Embryo Selection: Is Preimplantation Genetic Testing (PGT) enough? <i>Nicole Salameh</i> , The Cyprus Institute of Neurology and Genetics
15:20	Invited Lecture	Preimplantation Genetic Testing for Monogenic Disorders (PGT-M): Current Practices and Emerging Developments, <i>Thesallia Papasavva</i> , The Cyprus Institute of Neurology and Genetics
15:40	Invited Lecture	Optical genome mapping offers precise cytogenomic analysis and reproductive guidance for families with cryptic or complex chromosomal rearrangements <i>Constantia Aristidou</i> , The Cyprus Institute of Neurology and Genetics



SATURDAY NOVEMBER 1 ST		
(16:00) COFFEE BREAK		
	Session 6	Large data, machine learning and AI in health and disease Chairs: <i>Kyriaki Michailidou, Chrysovalantis Voutouri</i>
16:20	Invited Lecture	AI-Driven Molecular Prescreening in Digital Pathology: From Morphology to Molecular Signatures, <i>Andreas Mamilos</i> , German Medical Institute
16:40	Invited Lecture	Machine learning analyses for identification of causal variants in breast cancer <i>Denise O'Mahony</i> , The Cyprus Institute of Neurology and Genetics
17:00	Invited Lecture	A digital kidney tubule twin for ADTKD-MUC1: Bridging multi-omics and mechanistic translation <i>Andrea Kakouri</i> , biobank.cy Center of Excellence, University of Cyprus
SELECTED ABSTRACT SESSION III		
17:20	Selected Abstract	ChatMDV: Democratising Bioinformatics Analysis Using Large Language Models <i>Maria Kiourlappou</i> , University of Oxford
17:30	Selected Abstract	SCA27B is the first dominant ataxia type identified in the Cypriot population <i>Ioannis Livanos</i> , The Cyprus Institute of Neurology and Genetic
17:40	Selected Abstract	Altered serum microRNA expression profiles in female patients with central precocious puberty <i>Maria Morrou</i> , The Cyprus Institute of Neurology and Genetics
17:50	Selected Abstract	Proteomic insights into SCAR10: Engineering and analysis of CRISPR-edited ANO10-mutant SH-SY5Y cell lines, <i>Androniki Chrysanthou</i> , The Cyprus Institute of Neurology and Genetics
(18:00) CLOSING REMARKS		
(18:30) ANNOUNCEMENT OF BEST POSTER AND BEST ORAL PRESENTATION AWARDS		

