ABSTRACTS COLLECTION

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MEETING ABSTRACTS

Abstracts from the 54th European Society of Human Genetics (ESHG) Conference

European Journal of Human Genetics (2022) 30:1–2; https://doi.org/10.1038/s41431-021-01024-3

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Volume 30 | Supplement S1

Virtual Conference

28–31 August 2021

The ESHG conference delivered the latest findings in the field of human genetics, both basic and applied.

Additional information about the event may be found on the conference website:

https://2021.eshg.org/

Sponsorship: Publication of this supplement was sponsored by the European Society of Human Genetics. All content was reviewed and approved by the ESHG Scientific Programme Committee, which held full responsibility for the abstract selections.

Disclosure Information: In order to help readers, form their own judgments of potential bias in published abstracts, authors are asked to declare any competing financial interests.

Contributions of up to EUR 10 000.- (Ten thousand Euros, or equivalent value in kind) per year per company are considered "Modest". Contributions above EUR 10 000.- per year are considered "Significant".

ABSTRACTS FROM THE 54TH EUROPEAN SOCIETY OF HUMAN GENETICS CONFERENCE: ORAL PRESENTATIONS

Plenary sessions

PL1 Opening Plenary
PL2 What's New? Highlight Session
PL4 Mendel Award Lecture

Concurrent symposia

S01 Machine learning methods for prioritising genetic variants
S02 Spatial omics
S03 Transposons
S04 Impact of GDPR on genomic data sharing
S05 Endogenous and exogenous mutagenesis in cancer
S06 Comparative genomics across species and populations
S07 Mind the gap: Translating genomic advances into clinical care
S08 Single cell genomics in cancer
S09 Biobanks in under-represented populations
S10 Gene-based therapy for inherited liver diseases
S11 Prevention, detection, and therapy in cancer
S12 Functional annotation of genomic variation
S13 Beauty of gametogenesis
S14 Genome architecture
S15 Cells competing cells - mosaicism and cancer
S16 ESHG-ASHG Building Bridges: Global genetics towards a socially just practice
S17 Biases in genetic studies: Estimation and impact
S18 Overgrowth syndromes, from discovery to therapy
S20 Counselling Over Various Informatic Devices: Lessons from Covid-19
S21 Delivering the promise of RNA therapeutics
S22 Integrated approaches for ciliopathies

Educational sessions

E01 New technologies
E02 ESHG-Y: Human organoids as genetic disease models
E03 Translational collaborations in hereditary cancer
E04 Dealing with uncertainty in genomic medicine
E05 Update on imprinting disorders
E06 Pharmacogenomics in the clinic
E08 Variant interpretation in the clinic
E09 What's new in preimplantation genetic testing?

E11 Polygenic risks and me
E12 Bayesian methods applied in clinical settings
E13 Mapping the human body at the cellular level
E14 DNA methylation in Mendelian diseases
E15 Selection and population structure in biobank scale data
E16 Advances in Mendelian randomisation
E17 Chromosomal instability across lifetime
E18 Introduction to statistical analysis of genome-wide association studies (GWAS)
E19 Precision medicine in underserved populations

Concurrent sessions

C01 Developmental disorders & syndromes I
C02 Cardiovascular disorders
C03 Bioinformatics, machine learning and statistical methods
C04 Unraveling the complexity of neuropsychiatric genetics
C05 Reproduction is hot!
C06 COVID-19 Genomics
C07 Novel insights in inherited metabolic diseases
C08 Skeletal and connective tissue disorders
C09 Sensory disorders: multi-omics and long-read sequencing
C10 Genome-wide Association Studies
C11 New technologies and better diagnostics
C12 Counselling, communication and service delivery
C13 Cancer susceptibility: From mechanisms to clinic
C14 Advances in neurogenetics: From diagnosis to treatment
C15 Pleiotropic diseases: diagnosis and mechanisms
C16 Monogenic neurodevelopmental disorders
C17 Population genetics and genetic epidemiology
C18 Functional genomics and transcriptomics
C19 ELSI in genomics
C20 From mechanisms to therapeutic insights in cancer
C21 Clinical immunology and novel therapies of genetic diseases
C22 Developmental disorders & syndromes II
C23 Internal organs - Kidney, bowel, fat
C24 Genome variation and architecture
C25 Using genomics to personalise medicine
C26 Late Breaking

ABSTRACTS FROM THE 54TH EUROPEAN SOCIETY OF HUMAN GENETICS CONFERENCE: E-POSTERS

P01 Reproductive Genetics/Prenatal Genetics
P02 Sensory Disorders (Eye, Ear, Pain)
P03 Internal Organs & Endocrinology (Lung, Kidney, Liver, Gastrointestinal)
P04 Skeletal, Connective Tissue, Ectodermal and Skin Disorders
P05 Cardiovascular Disorders
P06 Metabolic and Mitochondrial Disorders
P07 Immunology and Hematopoietic System
P08 Intellectual Disability
P09 Neurogenetic and Psychiatric Disorders
P10 Neuromuscular Disorders
P11 Multiple Malformation/Anomalies Syndromes
P12 Cancer Genetics
P13 Genome Variation and Architecture
P14 Cytogenetics
P15 New Technologies and Approaches
P16 Diagnostic Improvements and Quality Control
P17 Bioinformatics, Machine Learning and Statistical Methods
P18 Personalised Medicine and Pharmacogenomics
P19 Population Genetics and Evolutionary Genetics
P20 Functional Genomics and Epigenomics
P21 New Treatments for Genetic Disorders
P22 Genetic Counselling/Services/Education
P23 Ethical, Legal and Psychosocial Aspects in Genetics
P24 GWAS
P25 COVID-19