



UNIVERSIDADE
DE ÉVORA

III International Meeting of the
Portuguese Society of Genetics

27th > 28th June 2022

Scientific Programme

June 27th (Monday)

08:30h - REGISTRATION

09:30h - OPENING SESSION

Paulo Quaresma, Vice-Rector for Research, Innovation and Internationalization, Universidade de Évora

Leonor Cancela, President of the Portuguese Society of Genetics

Manuel Mota, MED-CHANGE, Universidade de Évora

“Miguel Mota and the Portuguese Society of Genetics (SPG)”

09:50h - PLENARY LECTURE: Fixing heterosis in Brassica crops using apomixis

Timothy Sharbel, College of Agriculture and Bioresources, University of Saskatchewan, Canada

10:50h – COFFEE & TEA BREAK and POSTERS SESSION (Plant Genetics and Microbial Genetics)

11:30h – SESSION 1 - PLANT GENETICS (part 1)

Invited Communication: The cis-regulatory code underpinning epigenetic gene regulation

Franziska Turck, Max Planck Institute for Plant Breeding Research, Germany

12:10 - Selected Oral Communications

First initial studies towards the functional characterization of grapevine COP1 homologs

Herlander Azevedo, BIOPOLIS-CIBIO, Universidade do Porto

***Citrus clementine* and *Citrus sinensis* callose synthase and xyloglucan endotransglucosylase gene expression along time in response to *Citrus tristeza virus* infection**

Natália Marques, MeditBio, Universidade do Algarve

Gene expression associated to essential oil production in different ploidal levels of *Lippia alba*

Juliana Lopes, BioISI, Universidade de Trás-os-Montes e Alto Douro

13:00h – LUNCH

14:30h – SESSION 1 - PLANT GENETICS (part 2)

A genome-wide analysis of *Mitochondrial Uncoupling Proteins (UCP)* gene family in *Olea europaea* L. reveals a diversity of transcript patterns during adventitious root formation

Lénia Rodrigues, MED-CHANGE, Universidade de Évora

Identification and characterization of Histone acetylation associated proteins in *Fagaceae*

Sofia Alves, LEAF, Universidade de Lisboa

15:00h – SESSION 2 - MICROBIAL GENETICS

Invited Communication: Evolution and adaptation of *Streptococcus pneumoniae* in the era of expanded conjugate vaccines

Raquel Sá-Leão, ITQB, Universidade Nova de Lisboa

15:40 - Selected Oral Communications

Unveiling the role of Dps and EndoIII for DNA protection and repair in *Deinococcus radiodurans* upon exposure to genotoxic stress

Guilherme Martins, ITQB NOVA, Universidade Nova de Lisboa

Regulatory mechanisms of *yurJ* expression and intra-changeability with MsmX

Inês Gonçalves, i4HB, UCIBIO, Universidade Nova de Lisboa

Development of a OMMV-based vector for gene expression in plants

Carla Varanda, MED-CHANGE, Universidade de Évora

16:25h - COFFEE & TEA BREAK and POSTERS SESSION (Plant Genetics and Microbial Genetics)

17:00h – ROUND TABLE – Genome editing using CRISPR-Cas9

Chair: **José Bessa**, i3S, Universidade do Porto

Tony Nolan, Liverpool School of Tropical Medicine, United Kingdom

Ana Sofia Carvalho, School of Medicine and Biomedical Sciences, Universidade do Porto

Pedro Dias Ramos, i3S, Universidade do Porto

18:45h – WELCOME RECEPTION

20:00h – MEETING'S GALA DINNER

June 28th (Tuesday)

09:00h – SESSION 3 - EVOLUTIONARY GENETICS

Invited Communication: Demographic history using genomic data: can we separate fact from story?

Lounès Chikhi, CNRS Toulouse, France and Instituto Gulbenkian de Ciência

09:40 - Selected Oral Communications

Unraveling the genetic basis of drug resistance in *Candida albicans* strains with non-standard translation

Ana Rita Bezerra, iBiMED, University of Aveiro

Genomic evolution during experimental adaptation of life histories and aging in *Caenorhabditis elegans* with different microbes

Ivo Chelo, 1cE3c, Universidade de Lisboa

10:10h – COFFEE & TEA BREAK and POSTERS SESSION (Evolutionary Genetics, Animal Genetics and Biomedical Genetics)

10:50h – SESSION 4 – ANIMAL GENETICS

Invited Communication: The genome landscape of native Iberian cattle

Catarina Ginja, CIBIO-InBio, Universidade do Porto

11:30 - Selected Oral Communications

Bailundo pigs: whole genome sequencing shows unique regions of selection for metabolism and feed efficiency

Andreia Amaral, CIISA, AI4Animals, Universidade de Lisboa

Cytogenetic analysis of N-Methyl-N-Nitrosourea (MNU) induced mammary tumour in female Wistar Rat

Ana Faustino, CITAB- Ino4gro, CHRC, Universidade de Évora

12:00h - PLENARY LECTURE: Understanding and Targeting the TRIB2-AKT-FOXO axis in human cancer and aging

Wolfgang Link, Instituto de Investigaciones Biomédicas “Alberto Sols” (CSIC-UAM), Spain

13:00h – LUNCH

14:30h – SESSION 5 - BIOMEDICAL GENETICS (part 1)

Invited Communication: CDH1 locus disruption: genome-wide functional impacts

Carla Oliveira, i3S-Ipatimup, Universidade do Porto

15:10 - Selected Oral Communications

Functional characterization of putative miRNA-like sequences encoded in the HIV genome

Carolina Ruivinho, BioISI, Universidade de Lisboa

Epigenetic modulation of oncogenic transformation during epithelial differentiation

Torcato Martins, iBiMED, Universidade de Aveiro

15:40h – COFFEE & TEA BREAK and POSTERS SESSION (Evolutionary Genetics, Animal Genetics and Biomedical Genetics)

16:20h – SESSION 5 - BIOMEDICAL GENETICS (part 2)

The 2020s Tooth Fairy: from loose tooth to neuronal cell cultures, an innovative method for *in vitro* genetic disease modeling of a rare neurological disorder

Sofia Carvalho, INSA, Universidade de Coimbra

Haplotypic determination in Portuguese and Brazilian patients: a founder effect in a rare genetic disorder?

Marisa Encarnação, INSA, Porto

Val142Ile variant in Caucasians with cardiac transthyretin amyloidosis – the more you look the more you find

Catarina da Costa, Centro Hospitalar Universitário de S. João, Porto

17:20h – CLOSING CEREMONY

AWARD FOR BEST ORAL PRESENTATION – PRIZE PROFESSOR AMÂNDIO SAMPAIO
TAVARES

AWARD FOR BEST POSTER PRESENTATION – PRIZE PROFESSOR LUÍS ARCHER