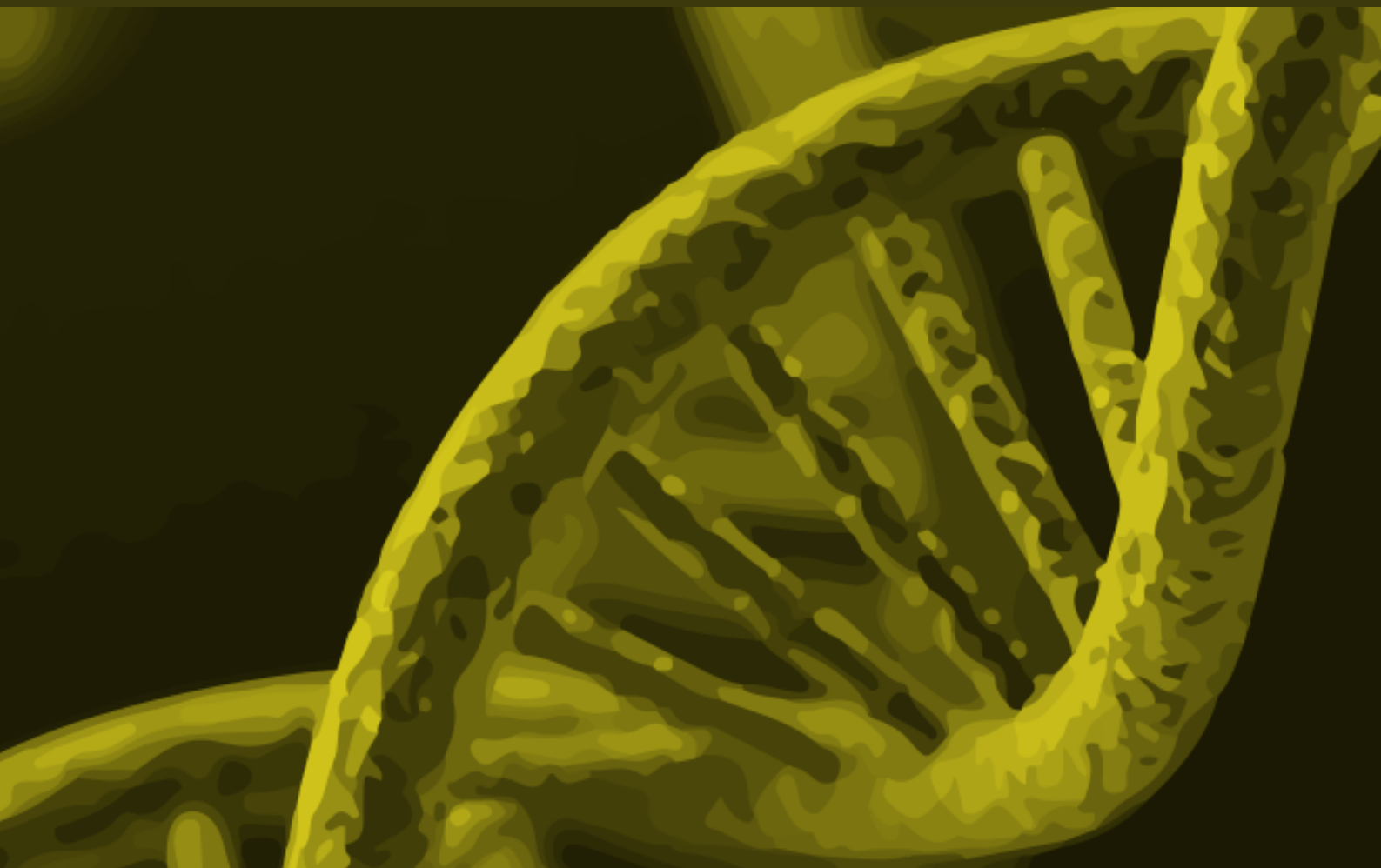


III INTERNATIONAL MEETING OF THE PORTUGUESE SOCIETY OF GENETICS



MONDAY & TUESDAY, 27-28 JUNE 2022

Auditorium of the Colégio Espírito Santo, Universidade de Évora
Largo dos Colegiais 2, 7004-516 Évora

ORGANIZED BY:



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DAY 1

Monday, June 27th

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, *Universidade de Évora*

Presenting **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)

Chair: Sandra Correia, *Center for Functional Ecology, Universidade de Coimbra*

Invited communication

The cis-regulatory code underpinning epigenetic gene regulation

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

12:10H - Selected Oral Communications

First initial studies towards the functional characterization of grapevine *COPI* 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*

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DAY 1

Monday, June 27th

13H - LUNCH

14:30H - SESSION 1 - PLANT GENETICS (PART 2)

Chair: Sandra Correia, Center for Functional Ecology, Universidade de Coimbra

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

Chair: Tânia Caetano, CESAM, Universidade de Aveiro

Invited communication

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

Raquel Sá-Leão, *ITQB, Universidade Nova de Lisboa*

15:40H - 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, Universidade Nova de Lisboa*

Regulatory mechanisms of *zurJ* 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)

SCIENTIFIC PROGRAMME



DAY 1

Monday, June 27th

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

"Alentejo de Honra"

with the performance of the "Grupo Coral Feminino Cantares de Alcáçovas"

20:00H - MEETING'S GALA DINNER

SCIENTIFIC PROGRAMME



DAY 2

Tuesday, June 28th

09:00h – SESSION 3 – EVOLUTIONARY GENETICS

Chair: Luísa Mesquita Pereira, *i3S, Universidade do Porto*

Invited communication

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

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

09:40H - Selected Oral Communications

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

Ana Rita Bezerra, *iBiMED, Universidade de Aveiro*

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

Ivo Chelo, *cE3c, Universidade de Lisboa*

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

10:50H – SESSION 4 – ANIMAL GENETICS

Chair: Diana Lousa, *ITQB NOVA*

Invited communication

The genome landscape of native Iberian cattle

Catarina Ginja, *CIBIO-InBio, Universidade do Porto*

11:30H - Selected Oral Communications

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

Andreia Amaral, *CIISA, A4Animals, 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*

SCIENTIFIC PROGRAMME



DAY 2

Tuesday, June 28th

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*

13H - LUNCH

14:30H - SESSION 5 - BIOMEDICAL GENETICS (PART 1)

Chair: Leonor Cancela, *Faculdade de Medicina e Ciências Biomédicas, Universidade do Algarve*

Invited communication

CDH1 locus disruption: genome-wide functional impacts

Carla Oliveira, *i3S-Ipatimup, Universidade do Porto*

15:10H - 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)

SCIENTIFIC PROGRAMME



DAY 2

Tuesday, June 28th

16:20H – SESSION 5 – BIOMEDICAL GENETICS (PART 2)

Chair: Leonor Cancela, *Faculdade de Medicina e Ciências Biomédicas, Universidade do Algarve*

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*

Haplotype 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