



Monday, 21st

9.00 Registration

9.30 **Welcome** (António Amorim)

Health Sciences

Moderators: Diana Saleiro & Fátima Macedo

9.40 **Liver Receptor Homolog-1 (LRH-1) and the control of mitochondrial function**

Lemos, Vera

10.00 **High salt diet increases susceptibility to experimental colitis: a putative role of gut microbiota**

Miranda, Pedro

10.20 **Indoles as microbial pharmaco-metabolites: targets, mechanisms and consequences for obesity and cardiometabolic diseases**

Neves, Ana Luísa

10.40 **Increased iron levels impair lung function and gas exchange in a mouse model of hereditary hemochromatosis**

Neves, Joana

11.00 **COFFEE-BREAK**

Oncobiology

Moderators: Ana Paula Rebocho & Patrícia Oliveira

11.30 **Iron content defines a new population of tumor-associated macrophages**

Costa da Silva, Milene

11.50 **In vivo imaging of the dynamics of the bone marrow perivascular niche in acute leukaemias**

Duarte, Delfim

12.10 **Unveiling molecular mechanisms mediated by tumor-derived exosomes that elicit metastasis to the brain**

Rodrigues, Gonçalo

12.30 **The Myogenic Regulatory Factor Myf5 regulates self-renewal and growth in a subset of Fusion-Negative Rhabdomyosarcomas**

Tenente, Inês

12.50 **LUNCH**

Neurobiology

Moderators: André Sousa, Bruno Fontinha & Hélder Araújo

14.00 **Effects of body continuity on the sense of ownership and agency over a virtual limb**

Brugada, Victòria

14.20 **What is the role of asymmetry in the zebrafish habenula?**

Martinho, Renato



- 14.40 **Exploring the role of AMPK in axon and presynaptic remodelling in the healthy and injured adult brain**
Real, Raquel
- 15.00 **Tutor preference in juvenile zebra finches**
Rodrigues, Diana
- 15.20 **Age-specific susceptibility to neuroinflammation during post-natal development**
Sá Pereira, Inês
- 15.40 **From recent to remote: exploring the mechanisms of memory systems consolidation**
Sousa, André Filipe
- 16.00 **A pinch of salt for honey bees?**
Teixeira-Sousa, Raquel
- 16.20 **COFFEE-BREAK**
- Developmental Biology**
Moderators: Eurico Morais de Sá, Lígia Tavares & Pedro Resende
- 16.50 **Mechanisms of Xist-dependent Polycomb recruitment**
Almeida, Mafalda
- 17.10 **Temporal insulation of mitosis: one more job for positive feedback**
Araújo, Ana Rita
- 17.30 **Muscle-Tendon Interactions: the role of *robo* in myonuclear positioning**
Azevedo, Mafalda
- 17.50 **Polarity in the absorptive epithelial of *Drosophila* gut**
Carvalho, Cátia
- 18.10 **Polar ejection forces and Cdk1 regulate kinetochore-microtubule attachment stability on mono-oriented chromosomes**
Drpic, Danica
- 18.30 **Translational dynamics of germ cell development**
Lima, Ana Cristina
- 20.00 **Social Dinner at *Grande Hotel do Porto***



Tuesday, 22nd

Genetics & Gene Expression

Moderators: Andrea Cruz & João Curado

- 9.20 **Maternal piRNAs are essential for germline development following de-novo establishment of endo-siRNAs in *Caenorhabditis elegans***
Albuquerque, Bruno
- 9.40 **Activity-dependent changes in alternative polyadenylation during hippocampal plasticity**
Fontes, Mariana
- 10.00 **New gene therapy and cellular approaches for the cure of hemoglobinopathies**
Lourenço, Sílvia
- 10.20 **Characterizing CAG repeat instability in Huntington's Disease (HD) patient-derived lymphoblastoid cell lines (LCLs)**
Neto, João
- 10.40 **Modeling neurodevelopment in-a-dish: a look into chromatin regulators**
Seabra, Catarina

11.00 **COFFEE-BREAK**

Immunology & Parasitology

Moderators: Margarida Rei & Rosa Barreira da Silva

- 11.30 **Hepcidin-Induced Hypoferremia Is a Host-Defense Mechanism Against the Siderophilic Bacterium *V. Vulnificus***
Arezes, João
- 11.50 ***Trypanosoma brucei* intrinsic circadian clock regulates its metabolism**
Ferreira, Filipa
- 12.10 **Development of a pregnancy-specific serology test: a path towards a new tool to measure malaria transmission in the context of elimination**
Fonseca, Ana Maria
- 12.30 **The COPII complex and lysosomal VAMP7 determine intracellular *Salmonella* localization and growth**
Santos, José Carlos

12.50 **LUNCH**

Developmental Biology

Moderators: André Rosa, Carlos Filipe Pereira & Nuno Camboa

- 13.40 **Metabolic reprogramming in male offspring in a non-dietary model of liver insulin resistance**
Ferreira de Jesus, Dário
- 14.00 **How to build blood vessels? A study on the role of Yap and Taz**
Neto, Filipa
- 14.20 **Baculovirus as a gene transfer method for the Axolotl**
Oliveira, Catarina
- 14.40 **Mechanotransduction during epithelial cell cytokinesis**
Pinheiro, Diana



- 15.00 ***In vitro* kinetochore reconstitution through CENP-T protein scaffold**
Silva e Sousa, Ricardo
- 15.20 **Relationship between the naïve pluripotent cell identity and X-chromosome status**
Sousa, Elsa
- 15.40 **Mechanisms for symbiont maintenance in the digestive cells of the sea anemone *Aiptasia* - a model system to study coral-algae symbiosis**
Wolfowicz, Iliona
- 16.00 **COFFEE-BREAK**
- ATG - All Time GABBAs 1st Annual Meeting**
- 17.00 **ATG's first year and short-term goals**
Speakers: Andre Sousa e Pedro Resende
- 17.20 **Coming back home (Portugal): What to expect?**
Speakers: Lúgia Tavares, Eurico Morais de Sá, João Barata, Filipe Pereira
Moderator: Carla Oliveira
- 18.10 **What can I do with my PhD?**
Speakers: Sónia Melo, Gonçalo Andrade, Sara Ribeiro, Pedro Beltrão
Moderator: Joana Correia
- 19.00 Goodbye



Posters

Mechanisms of myelin clearance and repair in demyelinating diseases

Cunha, Maria Inês

Transcriptional cis regulation of the FOXM1 coding gene during ageing

Ferreira, Fábio

Understanding the Role of Pseudouridylation in Human Mitochondria

Guiomar, Pedro

Identification and functional relevance of novel tumour-associated cells

Maia, Joana

Effect of chemotherapy on breast carcinoma derived brain metastasis

Margarido, Andreia

Innate immune mechanisms in the control of intestinal homeostasis during autoimmunity

Melo, Pedro

DNA repair in the haploid gamete

Oliveira, Gonçalo

Decoding epithelial organization at mitotic exit

Osswald, Mariana

Cause and Consequence of Parkinson's Disease in the Midbrain Locomotor Command Center

Pinto, Manuel