

# Programme

July 4th

**9h - 9h30** Opening session by iMed.Ulisboa director (Prof. João Gonçalves) and ipSC (Ana Rita Ribeiro)

**9h30 – 11h15** PhD students oral communications  
**Chairs:** Ainhoa Alberro e André Santos

**9h30-9h50** Joana Rodrigues; Advanced Cell Models for Predictive Toxicology and Cell-Based Therapies (*OC1 - Towards a microphysiological stem cell-based hepatic in vitro model for studying insulin signaling pathway*)

**09h50-10h10** Magda Ferreira; Advanced Technologies for Drug Delivery (*OC2 - Antibiotic liposomal formulations with high specificity to Staphylococcus aureus biofilms*)

**10h10-10h30** Margarida Silva; BioNanoSciences - Drug Delivery and Immunoengineering (*OC3 - Quercetin Liposomes - an Anti-Inflammatory Therapeutic Approach for Hepatic Ischemia and Reperfusion Injury*)

**10h30-10h50** João Rafael Vale; Bioorganic Chemistry (*OC4 - Total synthesis of (-)-agelastatin A via photochemical transformation of pyridinium salt and enzymatic resolution of aziridine*)

**10h50-11h10** Vanda Marques; Cell Function and Therapeutic Targeting (*OC5 - Metabolic cues in cancer diagnosis and therapeutics*)

**11h10 – 11h45** Coffee break

**11h45-12h45** Plenary lecture by Professor Luiz Pedro Carvalho - The Francis Crick Institute, United Kingdom (*PL1 – Antibiotic mechanisms and resistance*)

**Chair:** Professor Pedro Góis

**12h45 – 14h** Lunch

**14h – 15h30 PhD students oral communications**

**Chairs:** Sérgio Camões e Inês Bártolo

**14h-14h20** Ana Rita Ribeiro; Central Nervous System, Blood and Peripheral Inflammation (*OC6 - The impact of age in the in vivo model of Multiple Sclerosis: insights in overall health, spinal cord pathology and gut microbiome*)

**14h20-14h40** Mariama Djaló; Chemical Biology (*OC7 - N-terminal Site-Selective Functionalisation of Peptides with Multivalent NHS-acrylates*)

**14h40-15h00** Luís Sobral; Computational Medicinal Chemistry (*OC8 - Quantum Mechanics in the Modeling of API's Synthesis*)

**15h00-15h20** Susana Tracana; HIV Evolution, Epidemiology and Prevention (*OC9 - Determinants of HIV-2 receptor use and cell tropism are located in the V3 region of the envelope glycoprotein*)

**15h20-15h40** Manoj Mandal; Host-Pathogen Interactions (*OC10 - Manipulation of protease inhibitors for developing therapeutic strategies against Mycobacterium tuberculosis infection*)

**15h40 – 16h30 Poster session and coffee break**

**16h30 – 18h PhD students oral communications**

**Chairs:** Ana Rita Vaz e Paulo Furtado

**16h30-16h50** Paula Barão; Laboratory of Systems Integration Pharmacology, Clinical and Regulatory Sciences (*OC11 - Measuring the effectiveness of risk minimization measures in pregnancy: study cases*)

**16h50-17h10** Carolina Palma; Liver Disease Diagnostics and Therapeutics (*OC12 - Presence of cirrhosis in chronic liver disease patients associates with a lower immune response to COVID-19 vaccines - a multicenter European study*)

**17h10-17h30** Rita Ribeiro; M2B Molecular Microbiology and Biotechnology (*OC13 - Affinity maturation of anti-nucleolin antibody against Triple-Negative Breast Cancer*)

**17h30-17h50** Diogo Silva; Medicinal Chemistry (*OC14 - Iron(II)-triggered tetraoxane-based tumor-activated prodrugs*)

## July 5th

### 9h30 – 11h PhD students oral communications

**Chairs:** Filipa Siopa e Marta Afonso

**9h30-9h50** Catarina Pimpão; Membrane Transporters in Health and Disease (OC15 - *A novel approach to investigate the role of aquaporins as transceptors in cancer*)

**9h50-10h10** Elizabeth Lopes; Medicinal Organic Chemistry (OC16 - *Novel spirooxadiazoline oxindoles with antimalarial properties*)

**10h10-10h30** Shirley Sancha; Natural Products (OC17 - *Natural Amaryllidaceae-type alkaloids and derivatives for targeting multidrug-resistant cancer cells*)

**10h30-10h50** Marta Barbosa; Neuroinflammation, Signaling and Neuroregeneration (OC18 - *Secretome from anti-miR-124-treated ALS motor neurons manifests therapeutic potential after intrathecal injection in the transgenic mice*)

### 10h50 – 11h30 Coffee break

### 11h30 – 13h10 PhD students oral communications

**Chairs:** Patrícia Serra e Claudia Palladino

**11h30-11h50** Joana Pereira; Neurovascular Lab - Blood Brain Barrier in Neuropathology (OC19 - *Disclosing the molecular mechanisms of breast cancer brain metastases development: from biomarkers discovery to prevention*)

**11h50-12h10** Ana Gouveia; PhaBRIC - Phage Biology Research and Infection Control (OC20 - *Deciphering Bacterial Tolerance to the Antimicrobial Activity of Bacteriophage Endolysins*)

**12h10-12h30** Sara Bom; Pharmaceutical Development (OC21 - *3D printing: a new delivery technology to personalize topical vehicles*)

**12h30-12h50** Rute Dias; Pharmaceutical Engineering and Manufacturing (OC22 - *A Quality-by-Design perspective for the production of granules within a continuous manufacturing process*)

**12h50-13h10** Sara Machado; Pharmacy Practice and Health Communication (OC23 - *Documentation and classification of pharmacists' interventions: development and validation of a hospital practice tool*)



**13h10 – 14h30** Lunch

**14h30 – 15h30** Plenary lecture by Professor Nadim Habib - NOVA School of Business and Economics, Portugal (*PL2 - How science, health and economics can help Portugal*)

**Chair:** João Gonçalves

**15h40 – 16h00** Closing session by Professor João Gonçalves (iMed.Ulisboa) and Ana Rita Ribeiro (iPSC)

**16h00** – iMed.Ulisboa executive board & PhD students' reunion

**Check the Book of Abstracts:** [shorturl.at/tySW6](http://shorturl.at/tySW6)

