

PROVISIONAL PROGRAMME

08:30 – 09:00 **Registration**

09:00 – 09:30 **Opening Session**

09:30 – 10:30 **Keynote Speaker:** Maarten IJzerman (University of Twente)
Stimulating interdisciplinary collaboration between biomedical sciences and health outcomes research for personalizing health technologies
Moderator: Mónica Oliveira (IST)

10:30 – 11:00 *Coffee-break and poster session*

Parallel Session 1: Ageing and Development diseases

Moderators: Amélia Rauter (FC) & Cecília Rodrigues (FF)

- Maria José Diógenes (FM) - *Rett Syndrome and Alzheimer's disease: different disorders with common features*
- Adelaide Fernandes (FF) - *Deciphering neuron-microglia secretome and stress-related microRNAs in Alzheimer's disease*
- Ana Matos (FC) - *The Potential of Natural Flavonoids and Synthetic Flavone Analogues against Type 2 Diabetes and Alzheimer's Disease*
- Maria João Gama (FF) - *Neuronal Protection in Parkinson's disease: is there a role for Glutathione-S-transferase pi?*
- Sofia Dias (FMH) - *Moving towards a sustainable management of Parkinson's disease: The i-PROGNOSIS Personalized Game Suite approach*
- Ana Patrícia Antunes (FMH) - *The psychomotor ageing: evaluation and intervention*
- Vera Moniz-Pereira (FMH) - *Biomechanical changes in locomotion and functional loss in the elderly*
- Ana Mourato (FC) - *Centro de Química e Bioquímica activities towards Human Health: from fundamental research to applications and outreach*

Parallel Session 2: Health Outcome Evaluation, Societal Challenges to Health and Big Data

Moderators: Mónica Oliveira (IST) & António Vaz Carneiro (FM)

11:00 – 13:00

- Cristina Simões (FMH) - *The Quality of Life' Personal Outcomes of People with Intellectual Disability*
- Rúben Trindade (FMD) - *HIV-1 impact on Oral Health-Related Quality of Life: a cross-sectional study*
- Ana Vieira (IST) - *Shaping Delphi processes to inform multicriteria decision analysis*
- Sandro Mendonça (ISEG) - *The rate and direction of the Portuguese pharmaceutical industry knowledge base: A bibliometric outlook*
- Érica Viegas (FF/CHLO) - *Implementing a Pharmacovigilance Program in Oncology*
- Marina Vigário (FL) - *Read_MedInsert - A tool for evaluating linguistic complexity/difficulty in medication package inserts*
- Inês Pereira-Figueiredo (FMV) - *Animal-assisted interventions in elderly with dementia in Portugal*
- Cláudia Monge (FD) - *Health Data protection and the Regulation (EU) 2016/679 (General Data Protection Regulation)*

Parallel Session 3: Immunology, Infection and Inflammation

Moderators: Bruno Silva Santos (FM) & Dora Brites (FF)

- Susana Fernandes (FM) - *HIV-1 and HIV-2 differentially impact gut epithelial tight junction integrity*
- Ana Rita Diniz (FF) - *Dolutegravir has a highly potent activity against most primary HIV-2 isolates including those that are resistant to raltegravir*
- Valter Fonseca (FM) - *Human Circulating CXCR5+Foxp3+ T Cells are Peripherally-Induced Follicular Regulatory T Cell Precursors*
- Alexandra Brito (FF) - *Knocking at the blood-brain barrier to colonize the brain: phenotypic changes and signalling molecules involved in brain metastasization of breast cancer*
- Rita Gonçalves-Pereira (FC) - *Novel azide- and carboxamide-containing nucleosides displaying anticancer potency*
- Maria Eduardo Figueira (FF) - *Protective effect of blueberry, raspberry and persimmon in collagen-induced arthritis in the rat*
- Andreia Barateiro (FF) - *Targeting neuroinflammation in Multiple Sclerosis*
- Cláudia Valente (FM) - *Ex vivo model of epileptogenesis – a new tool for drug screening*

13:00 – 14:30 **Lunch Break**

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Parallel Session 4: Regenerative and Precision Medicine

Moderators: Joaquim Sampaio Cabral (IST) & João Forjaz Lacerda (FM)

Susana Solá (FF) - *Driving Mitochondrial Bioenergetics to Improve Adult Neurogenesis*

Sara Xapelli (FM) - *Finding modulators of neural stem cells for brain repair*

Tiago Fernandes (IST) - *Spatial and Temporal Control of Cell Aggregation Efficiently Directs Human Pluripotent Stem Cells towards Neural Commitment*

Marta Costa (IST) - *Small molecules stepping in 3-D cell culture: enhancing the homing and angiogenic potential of mesenchymal stem/stromal cells*

Rita Azevedo (FM) - *TREgeneration: Repair of tissue and organ damage in refractory chronic graft versus host disease after hematopoietic stem cell transplantation by the infusion of purified allogenic donor regulatory T lymphocytes*

Paula de Oliveira (FM) - *Low-dose ionizing radiation induces therapeutic neovascularization in a pre-clinical model of hindlimb ischemia*

Parallel Session 5: Biomedical Devices and Technologies

Moderators: Ana Fred (IST) & Pedro Miranda (FC)

Hugo Silva (IST) - *Recent Advances in Pervasive Electrocardiography (ECG)*

14:30 – 16:00

Rodolfo Abreu (IST) - *EEG synchronization measures predict epilepsy-related BOLD-fMRI fluctuations better than commonly used univariate metrics*

Mariana Alves Pereira (FC) - *Neuromodulation of Lower Limb Motor Circuitry with Transcutaneous Lumbar Spinal Cord Direct Current Stimulation*

Ana Catarina Fonseca (FM) - *Cardiac Magnetic resonance study of the left atrium of ischemic stroke patients with undetermined etiology*

Luís Redinha (FMD) - *Virtual Face Bow – Full Digital Work Flow in Restorative Dentistry*

Isabel Ribeiro (FF) - *Antimicrobial Biosurfactants as a Strategy to Prevent Silicone Catheters Colonization*

Parallel Session 6: Neurons, Brain and Cognition

Moderators: Tiago Maia (FM) & João Sanches (IST)

Sandra Vaz (FM) - *On the role of astrocytes in synaptic plasticity*

Elsa Rodrigues (FF) - *CYP46A1 as a therapeutic target in neurodegenerative disorders with altered brain cholesterol homeostasis*

Ricardo Maximiano (FC) - *Differential diagnosis between Parkinson's Disease and SWEDD using the NeuroPsyCAD platform*

Ana Pinheiro (FP) - *Brain Signatures of Vocal Emotional Perception*

Sónia Frota (FL) - *From sounds to words: an eye-tracking study of infant word learning*

Joana Henriques Calado (FP) - *MentHA project: Mental health and aging*

16:00 – 16:30 *Coffee-break and poster session*

16:30 – 17:30 **Keynote Speaker:** Alexandre Bernardino (IST)
Social Robots: from research to application

Moderator: Amílcar Moreira (ICS)

17:30 – 18:00 **Closing Session**