6ª Conferência Anual da redeSAÚDE

Multidisciplinary Perspectives and Global Health at ULisboa

Perspectivas Multidisciplinares e Saúde Global na ULisboa

15 nov ´22

11h00	**Pitch presentations of MSc and PhD works submitted to redeSAÚDE ULisboa 2022 awards (Parallel Sessions)**

A. Oncology and Precision Medicine
Salão Nobre

Chairs: Luís Costa (FM ULisboa), Rui Tato Marinho (FM ULisboa)

1. **"Regulatory T cell depletion unleashes an IFN γ + γ δ T cell response in the tumour microenvironment",** André Santos *et al.* (FM ULisboa)
2. **"Histone deacetylase inhibitors as therapeutic candidates against IL-7-responsive acute lymphoblastic leukemia",** João Fontela (FM ULisboa)
3. **"New stimuli-responsive diazaborines",** Rafaela Cavadas (FF ULisboa)
4. **"Exploring the role of HoxA9 in IL7R-mediated B-Cell Leukemogenesis",** Sara Gama (FM ULisboa)
5. **"Influence of culture conditions on the ex-vivo expansion and hematopoietic supportive capacity of human mesenchymal stromal cells",** Maria Catarina Carreira (IST ULisboa)
6. **"Crosstalk between the Circadian Molecular Clock and the CK2-PI3K signaling axis in T-ALL",** Patrícia Amaral (FM ULisboa)
7. **"Metabolic Cues in Cancer Diagnosis and Therapeutics",** Vanda Marques (FF ULisboa)
8. **"Macrophages as allies against cancer: how to instruct them to prevent primary tumour growth",** Carolina Jardim *et al.* (FM ULisboa)
9. **"The blood-brain barrier in brain metastasization of breast cancer: a source of biomarkers, a target for modulation and an obstacle to overcome.",** Joana Godinho-Pereira (FF ULisboa)
10. **"Identification of biomarkers predictive of metastasis development in early-stage colorectal cancer using network-based regularization",** Carolina Peixoto (IST ULisboa)
11. **"Nanoparticle-based (Bio)sensors: Information tailwinds for wellness and healthcare",** Rui Oliveira-Silva (IST ULisboa)
12. **"High-throughput virtual screening to identify non-covalent inhibitors of CRM1 with anti-tumoral potential",** João Sequeira et al. (FC ULisboa)
13. **"A Bridge Between Development and Engineering: Creating Liver Organoids from hiPSCs",** João Cotovio (IST ULisboa)
14. **"Enhanced Digital Breast Tomosynthesis diagnosis using 3D visualization and automatic classification of lesions",** Ana Margarida Motaet al. (FC ULisboa)
15. **"Deep Learning for Lumbar Vertebral Bodies AI-powered Segmentation: MRI multi-modality application",** José-Maria Moreira (IST ULisboa)
16. **"UBE2C promotes leptomeningeal dissemination and is a therapeutic target in brain metastatic disease",** Eunice Paisana (FM ULisboa)

B. Research and Infectious Diseases *Sala de Conferências*
Chairs: Miguel Prudêncio (iMM), Emília Valadas (FM ULisboa)

1. **"Tissue tropism and parasite virulence in recently isolated Trypanosoma brucei strains"**, Marta Narciso (FM ULisboa)
2. **"Improving the worldwide vaccination plans for COVID-19: a comparison of alternative strategies"**, Joana Rodrigues (IST ULisboa)
3. **"Formulation of a carrier system to deliver a CRISPR-Cas-based antiviral"**, Sofia Lopes (FF ULisboa)
4. **"Approaches to Control the COVID-19 pandemic"**, Mónica Lopes (FC ULisboa)
5. **"Spatio-temporal modeling of COVID-19 spread in mainland Portugal: evidence of the importance of geographical factors"**, André Alves (IGOT ULisboa)
6. **"Harnessing the full potential of beta-lactam application in tuberculosis therapy by exploiting genomic patterns of Mycobacterium tuberculosis susceptibility and synergy with conventional agents"**, Francisco Olivença (FF ULisboa)
7. **"Long-term and low-level envelope C2V3 stimulation from highly diverse virus isolates leads to frequent development of broad and elite antibody neutralization in HIV-1 infected individuals"**, Francisco Martin (FF ULisboa)
8. **"Unveiling new pathways of genomic evolution towards azole resistance in Candida glabrata"**, Mónica Galocha (IST ULisboa)
9. **"Development of potent and broadly neutralizing antibodies fragments for COVID-19 derived from domestic cats naturally infected with SARS-CoV-2"**, Isa Moutinho (FMV ULisboa)

C. Innovation, Health Systems and Digital Transformation *Sala dos Reitores*

Chairs: Manuel Laranja (ISEG ULisboa), Maria Helena Monteiro (ISCSP ULisboa)

1. **"Embedding Problem Structuring Methods within Delphi processes so as to promote Circular Economy Concerns in Medical Devices' Procurement"**, Francisco Viterbo (IST ULisboa)
2. **"Improving Operating Room Schedule in a Portuguese Hospital: A Machine Learning approach to predict Operating Room Time"**, Alice Paulo (FC ULisboa)
3. **"Predicting Imminent Health Outcomes from Common Lab Results"**, Jorge Cerejo (IST ULisboa)
4. **"LAMPSY - A Novel Epilepsy Video Monitoring and Seizure Detection Device"**, Vicente Garção (IST ULisboa)
5. **"Optimization of health surveillance with big data analysis: the impact of the COVID-19 track & tracing public health activities in Portugal"**, Pedro Cardoso (IST ULisboa)
6. **"Augmented Reality Environments for Oncoplastic Breast Surgery"**, Rafaela Timóteo (IST ULisboa)
7. **"Telemedicine Platform for Monitoring and Assessment of Depressive Disorder"**, Diogo Ramalho *et al.* (IST ULisboa)
8. **"An Affective Computing and Image Retrieval Approach to Support Diversified and Emotion-Aware Reminiscence Therapy Sessions"**, Soraia Alarcão (FC ULisboa)
9. **"Repository of Anthropomorphic Models of the Breast Including Normal Tissues, and Benign and Malignant Tumors for Microwave Imaging Research"**, Ana Catarina Pelicano (FC ULisboa)
10. **"Characterization of a new TMEM16A activity enhancer"**, Violeta Railean (FC ULisboa)
11. "Tetraoxane-based ferrous iron-activable drug conjugates (FeADCs) as a novel targeted therapy for cancer", Diogo Magalhães e Silva (FF ULisboa)
12. "Role of CFTR in Airway Epithelial Polarization and Differentiation", Cláudia Rodrigues, (FC ULisboa)

D. Ageing, Cardiology and Neurodegenerative Diseases *Sala de Atos*

Chairs: Dulce Brito (FM ULisboa), Mamede de Carvalho (FM ULisboa), Filomena Carnide (FMH ULisboa)

1. **"Single-Domain Antibodies targeting S100B as tools in Alzheimer's disease"**, Margarida Simões (FC ULisboa)
2. **"Cardiovascular disease morbidity and mortality: a systematic scientific review of risk factors geographical-based"**, João Pedro Marques-Reis (IGOT ULisboa)
3. **"Tetramerization of the synaptic S100B chaperone enhances anti-aggregation activity and client specificity"**, António J. Figueira et al. (FC ULisboa)
4. **"Open-Source Myocardial T1 mapping with Simultaneous Multi-slice acceleration: combining an auto-calibrated blipped-bSSFP readout with VERSE-MB pulses"**, Andreia Gaspar (IST ULisboa)
5. **"The Cognitive and Neural Bases of Semantic Representation and Control in Healthy Ageing"**, Mara Lúcia Alves (FP ULisboa)