

DIGITAL AND IMAGING BIOMARKERS

Identification, Validation and Clinical Application

 **September, 12th**

 **Auditorium 1, Sub-Unit 1, FMUC, Coimbra**



- 08:30 Registration
- 09:00 EATRIS PT- Opening Session | **Helena Baião** - Infarmed
- [remote] 09:15 EATRIS Digital HUB | **Florence Bietrix** - EATRIS
- 09:30 The role of Image Biomarkers in Management of AMD | **Rufino Silva** - ULS Coimbra
- 09:45 The role of Image Biomarkers in Ophthalmology within AI Revolution | **Luís Mendes** - AIBILI
- 10:00 Characterization of the progression of Diabetes Retinopathy | **José Cunha-Vaz** - AIBILI
- 10:15 New Trends in Ophthalmology Imaging and their Relevance in the AI Era | **Conceição Lobo** - AIBILI
- 10:30 Discussion
- 10:45 *Coffee break and Networking*
- 11:15 Multimodal Biomarkers for AI Development Useful for Early Diagnosis of Pancreatic Cancer | **Laura Bermejo** - Ramon & Cajal Health Research Institute (IRYCIS)
- [remote] 11:45 CAIDX – A Clinical AI Pathway Toolbox | **Carina Østervig Byskov**: Project Management of the CAIDX project
- 12:15 Observatories for Diabetes | **João Filipe Raposo** - Associação Protectora dos Diabéticos de Portugal
- 12:45 *Lunch and Networking*
- 14:00 Biomarkers in Neurodevelopmental Disorders: the case of AIMS-2-TRIALS | **Ana Pina Rodrigues** - CIBIT
- 14:15 The relevance of Imaging Biomarkers in Translational Research | **Miguel Castelo-Branco** - CIBIT
- 14:30 Challenges of Deep Learning Approaches in Biomarker Research | **Pedro Guimarães** - CIBIT
- 14:45 Predicting Conversion of Mild Cognitive Deficits to Alzheimer's Disease | **Daniel Agostinho** - CIBIT
- 15:00 Biomarkers for Neurodevelopmental Disorders | **Stewart Mostofsky** - Johns Hopkins University
- 15:30 Discussion
- 15:45 *Coffee break and Networking*
- 16:00 Clinical and Research Applications of Biomarkers in Nuclear Medicine | **Francisco Oliveira** - Champalimaud Foundation
- 16:15 CLaP: A Transformer-based Approach to Model non-coding DNA across Biological Contexts | **Panos Firbas** - Champalimaud Foundation
- 16:30 AI & Robotics-based Medical Devices Design and Development | **João Quintas** - IPN
- 16:45 Validation Pathways for Digital and Robotic Health Technologies | **Maria Nascimento** - IPN
- 17:00 Use-case TimeUp: Client Perspective | **Igor Tiago** - TimeUp
- 17:15 Discussion
- 17:30 Closing Session | **Helena Baião** - Infarmed

Registration

