



Bridging the Gap:

EXPLORING TECHNIQUES FOR NEURODEGENERATIVE DISORDERS

from Preclinical Research to Clinical Application

NOVEMBER 13TH 2025

Final Program (UTC time):

08:30 - 08:45 Opening Session

ELECTROPHYSIOLOGY

Chair: Maria José Diógenes

08:45 - 09:30 Miguel Remondes (ULusófona, PT)

Working Memory Deficits in a Rodent Model of Autism

09:30 - 10:15 Inga Griškova-Bulanova (VU, LT)

Mapping Cortical Dynamics in Health and Disease: EEG Biomarkers for Translational Research

10:15 - 10:30 Selected Short Presentation

10:30 - 11:00 Break

BEHAVIOUR

Chair: Sandra Vaz

11:00 - 11:45 Jan Rodriguez Parkitna (IP-PAS, POL)

Spatial Transcriptomics in Neuroscience

11:45 - 12:30 Luísa Pinto (UMinho, PT)

Adult Hippocampal Cytogenesis as a Mediator of Psilocybin's Antidepressant Effects

12:30 - 12:45 Selected Short Presentation

12:45 - 13:30 Break

EYE AS A MODEL

Chair: Sara Xapelli

13:30 - 14:15 Neil Lagali (LiU, SWE)

Studying Neurodegeneration and Neuroregeneration in the Cornea

14:15 - 15:00 Raquel Santiago (UCoimbra, PT)

Retinal Ganglion Cell Degeneration and Neuroprotection in Glaucoma: Insights from In Vitro and Animal Models

15:00 - 15:15 Selected Short Presentation

15:15 - 15:30 Break

IMAGING

Chair: Cláudia Valente

15:30 - 16:15 Tiago Gil Oliveira (UMinho, PT)

Brain Imaging Signatures of Regional Susceptibility to Co-Pathologies in Alzheimer's Disease

16:15 - 16:30 Selected Short Presentation

16:30 - 16:45 Closing Session