

# 3<sup>RD</sup> CIBB NEUROSCIENCE AND DISEASE RETREAT

## Online via Zoom

### May 24 - 25, 2021

ORGANIZING COMMITTEE:

ANA LEDO, ANA RAQUEL SANTIAGO, PAULO PINHEIRO



CENTRE FOR INNOVATIVE  
BIOMEDICINE  
AND BIOTECHNOLOGY



CENTER FOR NEUROSCIENCE  
AND CELL BIOLOGY  
UNIVERSITY OF COIMBRA  
PORTUGAL

ICBR Coimbra Institute for Clinical  
and Biomedical Research

# PROGRAMME

## DAY 1

9h15 Opening session

9h30 PLENARY TALK

*Chair: João Laranjinha*

Martin Lauritzen, Department of Neuroscience, University of Copenhagen, Denmark

*BRAIN MICROVASCULAR FLOW CONTROL BY VASCULAR SMOOTH MUSCLE CELLS, PRECAPILLARY SPHINCTERS AND CAPILLARY PERICYTES.*

10h30 Break

10h40 Session I

*Chairs: Carla Lopes and Francisco Ambrósio*

Edna Soares

*MOOD EXERsOMES - THE POSSIBLE ROLE OF EXERsOMES IN ANIMAL MODELS OF DEPRESSION.*

Ivan Lalanda

*NOVEL CEREBROSPINAL FLUID AND SERUM BIOMARKERS FOR MULTIPLE SCLEROSIS*

Lígia Fão

*AUGMENTED C-SRC/FYN DEGRADATION THROUGH AUTOPHAGY IN HUNTINGTON'S DISEASE — IMPACT ON NMDAR AND MITOCHONDRIAL FUNCTION*

Paula Canas

*THERAPEUTIC POTENTIAL OF TARGETING ADENOSINE A2A RECEPTORS IN A MOUSE MODEL OF ANGELMAN SYNDROME*

Questions to speakers

11h50 Session II

*Chairs: Mário Carvalho and Ana Paula Silva*

Cátia Marques

*MODULATION OF CEREBROVASCULAR FUNCTION AND MEMORY PERFORMANCE IN VASCULAR DEMENTIA BY DIETARY NITRATE.*

Rita Gaspar

*MICROGLIA MORPHOLOGY AND SUSCEPTIBILITY TO DEPRESSION - IMPACT OF SEX DIFFERENCES*

Questions to speakers

12h30 Closing

## DAY 2

10h00 Rui Nobre

CORE FACILITY VIRAVECTOR

*Research Infrastructure at UC dedicated to the production of viral vectors for the in vitro and in vivo applications.*

### 10h30 Session II

*Chairs: Mário Carvalho and Ana Paula Silva*

Mariana Laranjo

*DISSECTING THE ROLE OF PARVALBUMIN-POSITIVE INHIBITORY NEURONS IN THE CELLULAR AND BEHAVIOURAL PHENOTYPES ASSOCIATED WITH GPRASP2 DELETION*

Elisa Campos

*THE ACTIN-BINDING PROTEIN A-ADDUCIN IMPACTS ON THE RETINAL STRUCTURE BUT FUNCTION IS ONLY MILDLY HAMPERED*

Questions to speakers

11h15 Break

### 11h45 Session III

*Chairs: Filipa Baptista and Ricardo Rodrigues*

Marina Rodrigues

*STARGAZIN AS A REGULATOR OF THE M-CHANNEL IN THE CENTRAL NERVOUS SYSTEM*

Patrícia Simões

*A2A RECEPTORS IN THE AMYGDALA ARE NECESSARY AND SUFFICIENT FOR THE EXPRESSION OF MOOD DYSFUNCTION UPON CHRONIC STRESS*

Inês Aires

*RESIDENT RETINAL MICROGLIA AMPLIFY THE NEUROINFLAMMATORY RESPONSE INITIATED BY EXOSOMES DERIVED FROM REACTIVE MICROGLIA*

Célia Aveleira

*A NEW NEUROENDOCRINE STRATEGY TO DELAY AGING IN HUTCHINSON-GILFORD PROGERIA SYNDROME*

Questions to speakers

13h00 Ana Luísa Carvalho

*A YEAR IN REVIEW AND FUTURE PERSPECTIVES*

13h15 Ted Dobie – Scientific Editor, Neuron

13h45 Closing session

wrap up session

next meeting and announcement of the future organizers