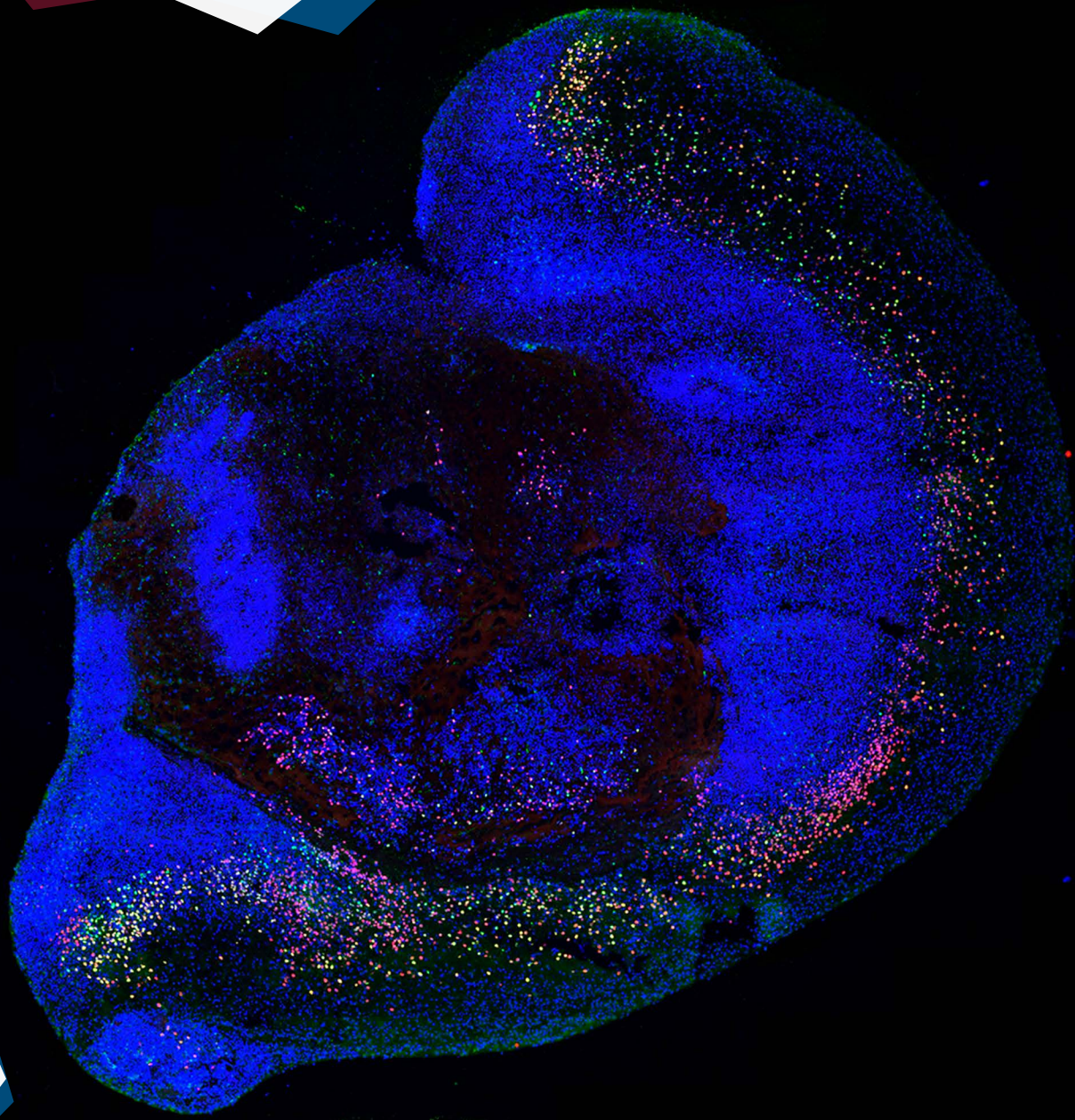


CIBB Neuroscience and Disease

2020 Online Retreat

JULY 8, 2020



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

9:30-9:40 Opening: welcome to All (A. Cristina Rego, Ana Paula Silva, João Peça)

9:40-10:20 SESSION I | NEURONAL CIRCUITS AND BRAIN-PERIPHERY INTERACTIONS CHAIR: CARLOS B. DUARTE

“Constitutive ghrelin receptor activity modulates AMPA receptor traffic and supports memory formation”

*Luís F. Ribeiro**, *Tatiana Catarino**, *Mário Carvalho**, *Sandra D. Santos*, *Luísa Cortes*, *Patricio O. Opazo*, *Lyn Rosenbrier Ribeiro*, *Daniel Choquet*, *José A. Esteban*, *João Peça*, *Ana Luísa Carvalho*

“IL-4 skews the microglial development program during cerebellar development”

*Joana Guedes**, *Pedro Ferreira**, *Jéssica Costa*, *Marta Pereira*, *Ana Luísa Cardoso*, *João Peça*

“The impact of hypothalamic ataxin-2 on metabolism”

Sara Carmo-Silva, *Clévio Nóbrega*, *Marisa Ferreira-Marques*, *Mariana Botelho*, *Célia A. Aveleira*, *Stefan M. Pulst*, *Luís Pereira de Almeida*, *Claudia Cavadas*

“Crosstalk between cannabinoid CB1 and Insulin-like growth factor-1 receptors opposingly shapes the activity of hippocampal CA3-CA1 synapses in fasted and fed rats”

Carla S. Santos-Silva, *Carolina Xavier*, *Paula Valente-Silva*, *Inês Dinis*, *Cláudia Ferreira*, *Paula Canas*, *Henrique B. Silva*, *Rodrigo A. Cunha*, *Attila Köfalvi*

10:20- 10:30 Questions to Session I speakers

10:30-11:10 SESSION II | MECHANISMS OF NEURONAL (DYS)FUNCTION CHAIR: FRANCISCO AMBRÓSIO

“Modulation of Brain Functions by Small Biological Oxidants: a Case for Hydrogen Peroxide”

Ana Ledo, *Eliana Fernandes*, *João Laranjinha*, *Rui M. Barbosa*

“Mercury toxicity in neuroinflammation and neurogenesis”

João Novo, *Beatriz Martins*, *Frederico Pereira*, *Carlos Fontes Ribeiro*, *João O. Malva*

“Interplay between the Ubiquitin-Proteasome System and calpains under ischemic conditions”

Ivan L. Salazar, *Simone Frisari*, *Margarida V. Caldeira*, *Carlos B. Duarte*

“Linking altered SAPAP3 with mitochondrial (dys)function in Huntington’s disease”

Patrícia Coelho, *Bruno J. Moraes*, *Lígia Fão*, *Ildete Luísa Ferreira*, *Rui Nobre*, *Luís P. Almeida*, *João Peça*, *A. Cristina Rego*

11:10-11:20 Questions to Session II speakers

11:20-11:50 SESSION III | CLINICAL-BASED RESEARCH CHAIR: CATARINA R. OLIVEIRA

“The acute inflammatory response to systemic infection and its relation to delirium: a case-control study”

Joaquim Cerejeira, *Patrícia Regueira*, *Ana Rita Silva*, *Fabiana Ventura*, *Mário Carneiro*, *Ana Luísa Cardoso*, *Inês Baldeiras*, *Isabel Santana*

“Neuropeptide response in traumatic brain injury”

José Luís Alves, *Ricardo A. Leitão*, *João Mendes*, *Ana Paula Silva*, *Anabela Mota Pinto*

“Static And Dynamic Ocular Motor Asymmetries As Potential Biomarkers In Spinocerebellar Ataxia Type 3”

João Lemos, Ana Novo, Cristina Duque, Joana Ribeiro, Cristina Januário

11:50-12:00 Questions to Session III speakers

12:00-12:30 **SESSION IV | TECHNOLOGY AND THERAPEUTICS**

CHAIR: LUIS PEREIRA DE ALMEIDA

“Coupling gene edition with optogenetics by a near-infrared activatable protein-conjugated nanoparticle”

Catarina Rebelo, Tiago Reis, Joana Guedes, Cláudia Saraiva, Liliana Bernardino, João Peça, Sónia Pinho, Lino Ferreira

“CRB1-inherited retinal dystrophies: Milestones towards a gene therapy treatment for Retinitis Pigmentosa”

Henrique Alves, Peter M. J. Quinn, Thilo Buck, Lucie Pellissier, Rogier Vos, Jan Wijnholds

“Ultra sensitive single molecule array (SiMoA) technology for detection of circulating proteins- unique potential in research and clinics”

Maria João Leitão, Anuschka Silva-Spínola, Isabel Santana, Inês Baldeiras

12:30- 12:40 Questions to Session IV speakers

12:40-12:50 “A near-future perspective of the area of Neuroscience and Disease”

Ana Luísa Carvalho

12:50-13:00 Questions

13:00 *Terminus of CIBB Neuroscience and Disease - 2020 Online Retreat*

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