

PROGRAMME

MONDAY

9h00

Welcome

Course organizers

9h30

Introduction

Guidelines for preparation of assignment – Adelaide Fernandes

iMed.U LISboa, Faculty of Pharmacy, Universidade de Lisboa, Lisboa, Portugal

Cognitive and Behavioural Neuroscience

Moderator: Andreia Barateiro, FFULISboa

10h30

Humanized mouse models to study brain disorders

Marja Koskuv

Department of Physiology and Pharmacology, Karolinska Institutet, Stockholm, Sweden

11h30

Break

12h00

Synaptic and Circuit Dysfunction in Neuropsychiatric Disorders

João Peça

Centro de Neurociências e Biologia Celular e Departamento de Ciências da Vida, Universidade de Coimbra, Coimbra, Portugal

13h00

Lunch Break

14h00

Cognition and inflammation: from mice to MS

João Cerqueira

Life and Health Sciences Research Institute (Instituto de Investigação em Ciências da Vida e Saúde), School of Medicine, University of Minho, Braga, Portugal

15h00

Case-study discussion

Moderators: Adelaide Fernandes, Ainhoa Alberro, Ana Rita Vaz, Andreia Barateiro, Dora Brites, Gonçalo Garcia, Maria Alexandra Brito, Rui Silva

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TUESDAY

Neurodegeneration and Neuroregeneration

Moderator: Alexandra Brito, FFULisboa

- 9h30** **Regenerative Approaches in Parkinson's Disease using Stem Cells Secretome**
António Salgado
ICVS, School of Medicine, University of Minho
- 10h30** **Translating Acomys to Mus: identifying the roadmap that enables axon regeneration in mammals**
Monica Sousa
i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal
- 11h30** **Break**
- 12h00** **Human brain disease modelling**
Šárka Lehtonen,
Human Brain Disease Modelling group, University of Eastern Finland | UEF
- 13h00** **Lunch Break**
- 14h00** **Workshop - Advanced models for target discovery and neuropharmaceutic screening assays**
Moderator: Gonçalo Garcia, FFULisboa
- 14h00** **In vitro and in vivo models to study nerve cell interplay**
Ana Rita Vaz
iMed.Ulisboa, Faculty of Pharmacy, Universidade de Lisboa, Lisboa, Portugal
- 15h00** **Applications of induced pluripotent stem cells for neurodegenerative disorders**
Laurent Roybon
Stem Cell Laboratory for CNS Disease Modeling, Department of Experimental Medical Science, Lund University

WEDNESDAY

Neuro-immunology

Moderator: Ana Rita Vaz, iMed.Ulisboa, FFULisboa

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| 9h30 | Neuronal regulation of immune fitness
Henrique Veiga-Fernandes
<i>Champalimaud Foundation, Lisboa, Portugal</i> |
| 10h30 | Compartmentalized inflammation in multiple sclerosis
Roberta Magliozzi
<i>Dept. of Neurosciences, Biomedicine and Movement Sciences,
University of Verona, Italy</i> |
| 11h30 | Break |
| 12h00 | Microbiome in Neurological disorders: A player and a target?
David Otaegui Bichot
<i>Biodonostia Health Research Institute, San Sebastián, Spain</i> |
| 13h00 | Lunch Break |
| 14h00 | Group work
Group discussion with organizing committee and development of students' case-study assignment |

THURSDAY

Central Nervous System targeting

Moderator: Rui Silva, FFULisboa

- 9h30** **Nasal delivery of biopharmaceuticals**
Fabio Sonvico
Department of Food and Drug Science, ADDRes – Advanced Drug Delivery Research Lab, Universita' di Parma
- 10h30** **Nanobiomaterials at the service of neuroregeneration**
Ana Paula Pêgo
i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal
- 11h30** **Break**
- 12h00** **Gene Therapy for brain disorders**
Luis Pereira de Almeida
*CIBB-Centre for Innovative Biomedicine and Biotechnology
Universidade de Coimbra*
- 13h00** **Lunch Break**
- 14h00** **Workshop – Human sample analysis**
Moderator: Ainhoa Alberro, iMed.Ulisboa, FFULisboa
- 14h00** **Using genomics for drug discovery in brain tumors - from patient samples to preclinical trials**
Claudia Faria
Department of Neurosurgery, Centro Hospitalar Universitário Lisboa Norte - Hospital de Santa Maria (CHULN-HSM); Instituto de Medicina Molecular João Lobo Antunes (iMM-Lisboa); Faculdade de Medicina da Universidade de Lisboa, Lisboa, Portugal
- 15h00** **Brain imaging**
Miguel Castelo-Branco
CIBIT - Coimbra Institute for Biomedical Imaging and Translational Research, University of Coimbra, Coimbra, Portugal; Faculty of Medicine, University of Coimbra, Coimbra, Portugal

FRIDAY

Innovation in neuropharmaceutics

Moderator: Adelaide Fernandes, FFULisboa

- 9h30** **Pharma vignettes of neuroscience pipeline/portfolio**
- Biogen
Rita Lau, Biogen - Head of Medical, Western, Central and Eastern Europe and Portugal
- Roche
Diana Ferreira, Medical Manager Neurosciences, Portugal
- 11h00** **Break**
- 11h30** **Round Table**
Academia/Clinical Research
Mamede de Carvalho
Neurologist and Neurophysiologist (CHLN-HSM), Group Leader (IMM)
Full Professor of Physiology, Head of Institute of Physiology (FMUL)
Faculdade de Medicina da Universidade de Lisboa
- Regulatory affairs**
João Rocha
iMed.Ulissboa, Faculty of Pharmacy, Universidade de Lisboa, Lisboa, Portugal
- Patient association**
Alexandre Silva
Sociedade Portuguesa de Esclerose Múltipla, SPEM
- 13h00** **Lunch Break**
- 14h00** **Workshop – Research to Impact Canvas pitch presentation - Students**
Moderators: Adelaide Fernandes, Ainhua Alberro, Ana Rita Vaz, Andreia Barateiro, Gonçalo Garcia, Rui Silva
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