



EPIGENETICS - FROM MECHANISMS TO DISEASE

April 18-22, 2016*

Life and Health Sciences Research Institute (ICVS)
School of Health Sciences
University of Minho

PROGRAMME

Monday, April 18th 2016 :: Introduction and Epigenetics in Neuroscience

- 09:15 - 09:30 Registration at the ICVS/ECS hall
- 09:30 - 09:45 Introduction and Objectives [**Luísa Pinto**]
- 09:45 - 10:30 T1: Introduction to Epigenetics [**Joana Marques**]
- 10:30 - 11:00 Coffee-break
- 11:00 - 11:30 T2: Methodologies to study Epigenetics [**Joana Marques**]
- 11:30 - 13:00 Lunch
- 13:00 - 14:00 **“Ciência Falada”- Gonçalo Castelo-Branco (Karolinska Institute)**
- 14:00 - 15:00 T3: MiRNA deregulation in dementia: epigenetic tools, biomarkers and therapeutic targets [**Ana Luísa Cardoso**]
- 15:00 - 16:00 T4: Stress and the reward circuit: from genes to neurons to behaviour [**Ana João Rodrigues**]
- 16:00 - 16:30 Coffee-break
- 16:30 - 18:00 T5: Epigenetic factors that modulate neuro- and glio-plasticity in depression [**Luísa Pinto**]

Tuesday, April 19th 2016 :: Epigenetics in Cancer

- 09:30 - 10:45 T6: Genetic and epigenetic players in brain tumors: mechanistic and prognostic insights [**Bruno Costa**]
- 10:45 - 11:15 Coffee-break
- 11:15 - 12:00 T7: Deciphering the role of the tumor suppressor gene SPINT2 in solid tumors [**Marta Viana-Pereira**]
- 12:30 - 14:00 Lunch
- 14:00 - 15:45 T8: MiRNAs deregulation in Prostate cancer [**Carmen Jerónimo**]
- 15:45 - 16:15 Coffee-break
- 16:15 - 18:00 T9: Epigenetic mechanisms of gene expression regulation in gastric cancer [**Carla Oliveira**]

Wednesday, April 20th 2016 :: Epigenetics in Developmental Biology

- 10:00 - 10:45 T10: Epigenetic regulation of neural differentiation [**Joana Marques**]
- 10:45 - 11:15 Coffee-break
- 11:15 - 12:30 T11: Early programming of the oocyte epigenome temporally controls late prophase I transcription and chromatin remodeling [**Rui Martinho**]
- 12:30 - 14:00 Lunch
- 14:00 - 15:45 T12: Safeguarding the integrity of genetic information [**Sérgio Almeida**]
- 15:45 - 16:15 Coffee-break
- 16:15 - 18:00 T13: Principles of epigenetic inheritance [**Lars Jansen**]

Thursday, April 21st 2016 :: Genomic Imprinting / Epigenetics in Intellectual Disabilities

- 09:30 - 12:30 T14: Genomic Imprinting in mammals [**Philippe Arnaud**]
- 12:30 - 14:00 Lunch
- 14:00 - 15:30 T15: X-Chromosome inactivation [**Simão Teixeira da Rocha**]
- 15:30 - 16:00 Coffee-break
- 16:00 - 18:00 T16: Genomic imprinting and Assisted Reproduction Techniques [**Joana Marques**]

Friday, April 22nd 2016 :: Epigenetics, Reprogramming and Cellular Memory

- 09:30 - 10:30 T17: The genetics of epigenetics in neurodevelopmental disorders [**Patrícia Maciel**]
- 10:30 - 11:00 Coffee-break
- 11:00 - 12:00 T18: Programming Definitive Hematopoiesis [**Filipe Pereira**]
- 12:00 - 13:00 Lunch
- 13:00 - 14:30 T19: SEMINAR :: Epigenetic mechanisms in preimplantation development [**Miguel Branco**]
- 14:30 - 15:00 Scientific discussion with Seminar Presenter
- 15:00 - 16:00 T20: The mystique of Epigenetics [**Vasco Barreto**]
- 16:00 - 16:30 Coffee-break
- 16:30 - 17:30 T21: Programming Mental Healthspan [**Osborne Almeida**]
- 17:30 - 18:00 Final Remarks/ Quiz

April 26th to 29th 2016 :: Only for internal MSc and PhD program students

All day Individual/Tutorial training

**This course will be held from April 18th to 22nd 2016 but internal MSc and PhD program students will have an extra week (April 26-29, 2016).*