



Pathogenesis of Neurodegenerative Diseases: finding a common ground – 4th edition

26-30 April 2021, **Virtual course**

School of Medicine, University of Minho, Braga, Portugal

Programme

Monday - 26 April

09:15-09:30	Welcome reception – course targets and evaluation	Faculty members
09:30-09:45	Neurodegenerative pathology with/out borders	H. Leite-Almeida and I. Sotiropoulos
09:45-10:45	Basic mechanisms of disease (I): Inflammation	Sheela Vyas, Uni Sorbonne, CNRS, FR
10:45-11:15	<i>Remote “coffee”- meeting the faculty</i>	
11:15-12:15	Basic mechanisms of disease (II): Sorting machinery of the cell	N. Vieira, Uni Minho, PT
12:15-13:30	<i>Lunch break</i>	
13:30-14:30	Basic mechanisms of disease (III): Axonal and synaptic trafficking	C. Waites, Columbia Univ, USA
14:30-15:30	Basic mechanisms of disease (IV): Cell-to-cell transmissibility and exosomes	D. Kapogiannis, John Hopkins Uni, USA
15:30-16:00	<i>Remote “coffee”- meeting the faculty</i>	
16:00-17:00	Basic mechanisms of disease (V): RNA-Protein granules in neurodegeneration	B. Wolozin, Boston Uni, USA

Tuesday - 27 April

09:30-10:30	Basic mechanisms of disease (VI): Lipid signaling and membrane trafficking	T. G. Oliveira, Uni Minho, Portugal
10:30-11:30	Basic mechanisms of disease (VII): Imbalance of protein homeostasis	H. Kampinga, Uni Groningen, Netherlands
11:30-12:00	<i>Remote “coffee”- meeting the faculty</i>	
12:00-13:00	Basic mechanisms of disease (VIII): Wallerian degeneration	H. Leite-Almeida, Uni Minho, PT
13:00-14:30	<i>Lunch break</i>	

Disease theme I. Alzheimer’s disease

14:30-16:00	Alzheimer’s disease: basic mechanisms revisited	I. Sotiropoulos (chair) I. Sotiropoulos, Uni Minho, PT
16:00-16:30	<i>Remote “coffee”- meeting the faculty</i>	
16:30-18:00	Alzheimer’s disease: clinical presentation/current and future therapeutics	B. Wolozin, Boston Uni, USA

Wednesday - 28 April

Disease theme II. Polyglutamine diseases: Huntington and MJD/SCA3

09:30-10:30	Polyglutamine diseases: basic mechanisms revisited	A. Teixeira-Castro (chair) H. Kampinga, Uni Groningen, NL
10:30-11:00	<i>Remote “coffee”- meeting the faculty</i>	
11:00-12:00	Polyglutamine diseases: clinical presentation/current and future therapeutics	P. Maciel, Uni Minho, PT
12:00-13:30	<i>Lunch Break</i>	

Disease theme III. Trauma, injury and neuropathic pain

13:30-14:30	Neuropathic pain	H. Leite-Almeida (chair) Annabelle Réaux-Le Goazigo, ISERM, FR
14:30-15:00	<i>Remote “coffee”- meeting the faculty</i>	
15:00-16:00	Spinal cord injury	A. Salgado, Uni Minho, PT
16:00-17:00	Brain trauma	J. Crary, Mount Sinai School of Medicine, USA
17:00-17:15	Work proposal - teams/theme assessment	

Thursday - 29 April

Disease theme IV. Parkinson’s disease

09:30-10:30	Parkinson’s disease: clinical presentation and current therapeutics	N. Lamas (chair) F. Teixeira/M. Gago, Uni Minho, PT
10:30-11:00	<i>Remote “coffee”- meeting the faculty</i>	
11:00-12:00	Induced pluripotent stem cells based model in Parkinson’s disease	Jens Schwamborn, Uni Luxembourg, LU
12:00-13:30	<i>Lunch Break</i>	

Disease theme V. CNS Inflammatory diseases (Multiple Sclerosis)

13:30-14:30	Multiple sclerosis: basic mechanisms revisited	F. Marques (chair) F. Marques, Uni Minho, PT
14:30-15:30	Multiple sclerosis: clinical presentation/current and future therapeutics	J. Cerqueira, Uni Minho, PT
15:30-16:00	<i>Remote “coffee”- meeting the faculty</i>	
16:00 -17:00	Task analysis – Discussion with participants	Faculty members

Friday - 30 April

Disease theme VI. Motor disease - Amyotrophic Lateral Sclerosis (ALS)

09:30-10:30	ALS: basic mechanisms revisited	A. Salgado (chair) C. Raoul, Uni Montpellier, FR
10:30-11:00	<i>Remote “coffee”- meeting the faculty</i>	
11:00-12:00	ALS: clinical presentation/current and future therapeutics	N. Lamas, Uni Minho, PT
12:00-13:30	<i>Lunch break</i>	
13:30-15:00	Novel therapeutic approaches: an overview	I. Sotiropoulos/A. Salgado, Uni Minho, PT
15:00-16:30	Wrap-up session: finding a common ground	All faculty
16:30-17:30	What lies ahead? Closing session	All faculty

Only for University of Minho students:

19 April Monday 10:00am – Meeting with students for:

- course organization & tasks
- Task assignment (attribution of the essay topic + papers/reviews of general mechanism of Neurodegeneration)

21 April Wednesday 15:00 – meeting with students for:

- check points
- doubts /clarifications

4 May Tuesday – 10:00a.m. Multi-choice examination

11:30 a.m. New Check-point of their essay

7 May - Friday - 10:00 a.m. Students Assay presentation