

Programme

Week 1 - September 7th to September 11th 2020

Monday, September 7th

- 09:00 - 09:10 *Course presentation* - Fernanda Marques, Hugo Almeida, Tiago Gil Oliveira [\[Remote Session\]](#)
- 09:10 - 10:30 *The nervous system cells and their origin* - Hugo Almeida [\[Remote Session\]](#)
- 11:00 - 12:30 *Nervous impulse* - Hugo Almeida [\[Remote Session\]](#)
- 14:00 - 19:00 *Brain Anatomy - hands-on* - João Carlos Sousa, Fernanda Marques, Hugo Almeida, Tiago Gil Oliveira [\[Lab I2.04\]](#) (division in small groups)

Tuesday, September 8th

- 09:00 - 10:00 *Brain Anatomy* - Tiago Gil Oliveira [\[Remote Session\]](#)
- 10:00 - 11:00 *Barriers of the brain and brain metabolism* - Fernanda Marques [\[Remote Session\]](#)
- 11:30 - 13:00 *Neurotransmission and neurotransmitters* - João Carlos Sousa [\[Remote Session\]](#)
- 14:00 - 15:00 *Sensory Systems - Visual, Auditive and Olfactive Systems* - João Cerqueira [\[Remote Session\]](#)
- 15:00 - 16:00 *Motor Systems* - João Cerqueira [\[Remote Session\]](#)
- 16:30 - 17:30 *Learning and Memory* - Nuno Sousa [\[Remote Session\]](#)

Wednesday, September 9th

- 09:00 - 10:00 *Behavioral Flexibility and decision-making* - Pedro Morgado [\[Remote Session\]](#)
- 10:30 - 11:30 *Regulatory Systems - neuroendocrinology* - Joana Palha [\[Remote Session\]](#)
- 14:00 - 18:00 *Mini-workshop: A Primer on Brain Imaging* - Tiago Gil Oliveira, Neuroimaging team [\[Remote Session\]](#)

Thursday, September 10th

- 09:00 - 12:00 *Brain Anatomy / Histology - hands-on* - Fernanda Marques, Hugo Almeida, Tiago Gil Oliveira [\[Remote Session\]](#)
- Afternoon Self-study

Friday, September 11th

- 09:00 - 11:00 *Electrophysiology: Basic Background* - Luis Jacinto, Patrícia Monteiro [\[Remote Session\]](#)
- 11:30 - 13:30 *Electrophysiology: Remote Hands-on Demonstration* - Luis Jacinto, Patrícia Monteiro [\[Remote Session\]](#)
- Afternoon Self-study

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Week 2 - September 14th to September 18th 2020

Self-paced learning on brain basics: anatomy, histology and neurotransmission

Monday, September 14th

10:30 - 11:30 *Guidance for the self-paced learning week* - Distribution of projects for posters - Tiago Gil Oliveira, Fernanda Marques, Hugo Almeida [[Remote Session](#)]

Wednesday, September 16th

14:30 - 16:00 *Mid-week self-paced learning process assurance* - Tiago Gil Oliveira, Fernanda Marques, Hugo Almeida [[Remote Session](#)]

NOTE: *The presence in the above indicated sessions is facultative, thus not mandatory for the completion of the course*

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Week 3 - September 21st to September 25th 2020

Monday, September 21st

- 09:30 - 10:30 Written Assessment [\[Remote Quiz\]](#)
- 11:00 - 12:30 *Animal models, animal behaviour and behavioural analysis* - Hugo Almeida, Tiago Gil Oliveira [\[Remote Session\]](#)
- 14:00 - 15:30 *Cognitive Behavior* - Hugo Almeida [\[Remote Session\]](#)
- 15:30 - 16:30 *Motor Behavior* - Sara Silva, Marta Costa [\[Remote Session\]](#)

Tuesday, September 22nd

- 09:00 - 10:00 *Of brain cells genesis (and cell death)* - Luísa Pinto [\[Remote Session\]](#)
- 10:30 - 11:30 *Stem Cells and Brain Repair* - Susana Monteiro [\[Remote Session\]](#)
- 14:00 - 15:00 *Glia and gliotransmission: the other brain* - João Oliveira [\[Remote Session\]](#)
- 15:00 - 16:00 *Neurooncology and glioblastomas* - Bruno Costa [\[Remote Session\]](#)
- 16:30 - 17:30 *The Neural Basis of Reward and Motivation: Impact of Early Life Stress* - Ana João Rodrigues [\[Remote Session\]](#)

Wednesday, September 23rd

- 09:00 - 10:00 *Synaptic and circuitry mechanisms of basal ganglia dysfunction* - Patrícia Monteiro [\[Remote Session\]](#)
- 10:00 - 11:00 *Modulation of Pain* - Hugo Almeida [\[Remote Session\]](#)
- 11:30 - 12:30 *Multiple Sclerosis - disease mechanisms* - Fernanda Marques [\[Remote Session\]](#)
- 12:30 - 13:30 *Machado-Joseph disease: toward therapies through disease mechanisms and protein function* - Patrícia Maciel, Andreia Castro, Andreia Carvalho [\[Remote Session\]](#)
- 14:30 - 15:30 *Neurodegenerative disorders - lipid metabolism and membrane trafficking* - Tiago Gil Oliveira, André Miguel Miranda [\[Remote Session\]](#)
- 15h30 - 17:00 Self-study
- 17h00 - 17:15 Quiz 1 [\[Remote Quiz\]](#)

Thursday, September 24th

- 09:00 - 10:00 *Some do it, some don't: exploring executive function* - João Cerqueira [\[Remote Session\]](#)
- 10:00 - 11:00 *Neurobiology of Depression* - João Bessa [\[Remote Session\]](#)
- 16:00 - 17:00 *Alzheimer's disease and Stress* - Ioannis Sotiropoulos, Joana Silva [\[Remote Session\]](#)

Friday, September 25th

- 09:00 - 10:00 *Neuroscience in Population Health - Part I* - Margarida Correia-Neves, Susana Roque [\[Remote Session\]](#)
- 10:30 - 12:00 *Neuroscience in Population Health - Part II* - Margarida Correia-Neves, Susana Roque [\[Remote Session\]](#)
- 14:00 - 14:15 Quiz 2 [\[Remote Quiz\]](#)
- Afternoon Project Preparation

Project delivery date deadline: September 25th 2019 - 23:00

Project presentation: September 28th 2019 - 14:00 [\[Remote Session\]](#)