20TH EURON PhD DAYS
Université catholique de Louvain | Brussels

JOINT PHD STUDENT MEETING OF THE INSTITUTE of NEUROSCIENCE (UCL) AND EURON

Venue: Auditorium Maisin, UCL Woluwé Campus, Brussels

Thursday September 13th
8.30 – 9.30 Registration (coffee)
9.30 – 10.00 Welcome
Prof. Pascal Kienlen Campard (director IONS) / Dr. Gunter Kenis (director EURON)

Session 1 The Developing Brain: chairman Prof. Pierre Leprince, ULG
10.00 – 10.30 Polarity in neural development and neurological disorders
Prof. Fadel Tissir, UCL
10.30 – 11.15 Oral presentations of PhD students
Alexia Cossard - RhoA GTPase and Embryonic Apical Neural Stem Cells in the Mammalian Cerebral Cortex (UCL)
Valérie Dion - Cdk7: role in oligodendrocyte differentiation and in remyelination (ULG)
Remy Verhaeghe - Genetic and environmental factors shape the developmental trajectories of glutamatergic and GABAergic transmission in the prefrontal cortex and hippocampus (ULille)
11.15 – 11.45 Break
11.45 – 12.30 Oral presentations of PhD students
Martin Moïse - Deciphering the role of NEDD4-2 in malformations of cortex development (ULG)
Gauhar Masgutova - The Onecut and Pou2f2 transcription factors control differentiation and migration of dorsal interneurons in the developing spinal cord (UCL)
Kyonghwan (Chris) Choe - DNMT3a, an epigenetic regulator implicated in febrile seizures-induced hippocampal epileptogenesis (UM)
12.30 – 13.15 Lunch
13.15 – 14.30 Poster session

Session 2 (Patho) physiology of the mature Brain: chairman Prof. Christophe Lefebvre, Lille
14.30 – 15.00 "Dissecting early sensory information processing in the mature brain using imaging, electrophysiological and optogenetic tools"
Dr. Markus Rothermel, RWTH Aachen University

For up to date information: www.euronschool.eu | secr.euron@maastrichtuniversity.nl

Sponsored by:

Université catholique de Louvain
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Sept. 13-14, 2018

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15.00 – 16.00 Oral presentations of PhD students

Arthur Courtin - Inferring TRP channels expression on thermosensitive primary afferents from brain evoked potentials modulation by topical agonists (UCL)
Maria Elisa Serrano - Epilepsy and the SV2A Protein: new insights about the disease (ULG)
Assia Tiane - Relieving the epigenetic blockade in progressive multiple sclerosis - making remyelination accessible again (UHasselt)
Priyanka Tripathi - Sigma receptors 1 (SigR1) confers neuroprotection and regulates α-motor neurons (α-MNs) excitability at Cholinergic terminals (C-terminals) (RWTH Aachen)

16.00 – 16.15 Break (drinks / fruit / snack)

16.15 – 17.30 Oral presentations of PhD students

Jens Devoght - Glycine alpha 2 receptor depletion promotes excessive dopamine-mediated behavior (UHasselt)
Julien Grandjean - Assessing the reliability of a new double-coil TMS method to measure corticospinal excitability bilaterally (UCL)
Alix Thomson - Modelling human neurons with the SH-SY5Y cell line-an application to noninvasive brain stimulation research (UM)
Inês Belo do Nascimento - Regulation of glutamate uptake by AMPKα1 in brain tumors (UCL)
Ekaterina Veniaminova - Behavioural, molecular and metabolic consequences of Western diet in mice and the role of genetic deficiency of the serotonin transporter (UM)

17.30 – 19.00 Informative open EURON PI meeting (Senior Researchers) / PhD activity

20.00 Get together and dinner
Restaurant “Chez Léon”, rue des Bouchers 18, B-1000 Bruxelles
http://www.chezleon.be/nl/

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Friday September 14th

Session 3  The Aging Brain: chairman Prof. Aleksandar Jankovski, UCL
9.00 – 9.30  “Cognitive Aging: insights from functional and molecular neuroimaging”
Prof. Bernard Hanseeuw, UCL

9.30 – 10.30 Oral presentations of PhD students
Katherine A. Baquero - Degree of Centrality of brain functional connectivity within the motor network for Parkinson’s Disease (ULG)
Yujuan Gui - Identification of novel genetic regulators of the integrity of nigro-striatal circuitry through transcriptomic and epigenomic analyses (ULux)
Justinas Narbutas - Cognitive efficiency in late midlife is linked to cognitive reserve and heart rate variability (ULG)
Maxime Van Egroo - Preserved Neuron Reactivity Dynamics during Prolonged Wakefulness is Linked to Cognitive Fitness in Aging, Independently of Tau Burden, Amyloid Beta Burden, and Cortical Atrophy (ULG)

10.30 – 11.00 Break

11.00 – 12.00 Oral presentations of PhD students
Roy van Hooren - Inter-network connectivity and amyloid- linked to cognitive decline in preclinical Alzheimer’s disease: a longitudinal cohort study (UM)
Dean Poes - Differential PDE4D gene expression regulation in Alzheimer’s disease (UM)
Alfred Yamoah - Altered RNA Binding Protein Homeostasis and ER Chaperonopathy in Granulovacuolar Degeneration of the Alzheimer’s Disease Brain (RWTH Aachen)

12.00 – 13.00 Invited Key Note lecture “Biological mechanisms of mental disorders – new insights from genetics and neuroimaging”
Prof. David Linden, Maastricht University

13.00 – 13.30 Concluding remarks and awards
Lunch (you will get a lunch package)