

Program C4N PHD day 8 June 2017 (Auditorium 5, Campus Jette 9h-13h)

9h-9h10: Welcome Prof. Eva Swinnen

9h10-9h50: Presentation BrightCore (Nienke Schutte)

9h50-10h30: Oral presentations Part I (moderator: Prof. Guy Nagels)

9h50: **Laura Légat** (CNS and Blood Pressure Controle)

The damping effect of Angiotensin II in the nucleus tractus solitarii on the baroreflex function involves release of GABA in normotensive rats

10h10: **Lisa Goudman** (Neuromodulation of disease)

The association between spinal cord stimulation and top-down nociceptive inhibition in failed back surgery syndrome patients

10h30-11h: Coffee break + posters (A045)

11h-12h: Oral presentations Part II (Moderator: Prof. Ann Massie)

11h: **Sander Groote** (Neuromodulation of disease)

Functional and structural alterations by spinal cord stimulation

11h20: **Stephanie Hostenbach** (Multiple Sclerosis)

In vitro and in vivo modulation of endothelin-1 expression in reactive astrocytes

11h40: **Maarten Naeyaert** (Cognition and Modelling)

Acceleration of Diffusion MRI Using Compressed Sensing: Investigating Undersampling Strategies

12h: Closing (Prof. Ron Kooijman)

12h10: Sandwich lunch (A045)

Posters:

Lars Costers (Cognition and Modelling)

Investigating working memory function in cognitively impaired MS patients using task-related magnetoencephalography (MEG)

Andries Van Schuerbeek (Neuromodulation & inflammation in stress-related mental disorders)

Modulation of fear by transcranial direct current stimulation

Emma De Keersmaecker (Rehabilitation Research Neurological Rehabilitation)

Using Virtual Reality to Improve Gait Function in People with Central Nervous System Movement Disorders

Johan Baijot (Cognition and Modelling)

Biomarker for cognitive deterioration in multiple sclerosis based on Network analysis of fMRI

Yana Van Den Herrewegen (Target-driven drug discovery approaches for refractory epilepsy)

Spatial learning and reference memory impairments in the intrahippocampal kainic acid mouse model

Shabnam Behrouzi (Bioanalytical Research in Neuroscience)

Quantitation of sufentanil in human colostrum-Method development

Wissal Allaoui (Neuromodulation & inflammation in stress-related mental disorders)

Unveiling the role of neuromedin U in the stress response

Olaya Lara (Glutamate Transporters)

Inhibition of system xc⁻: tackling pancreatic cancer from different angles

Lauren Deneyer (Glutamate Transporters)

Peripheral LPS-induced inflammation increases the susceptibility for proteasome inhibition-induced degeneration of the nigrostriatal pathway

Ahmad Serhan (Neuro-inflammation, Neurotrophic Factors and Neuroprotection)

IGF-1 confers neuroprotective effect in aged rats against ischemic stroke

Nina Lefeber (Rehabilitation Research- Neurological Rehabilitation)

Validity and Reproducibility of the Gait Up[©] for Temporospatial Gait Analysis in Subacute Stroke Patients

Jana Bongaerts (Bioanalytical Research in Neuroscience)

Comparison of Unispray and Electrospray for the ionization of neuropeptides