

Program C4N PHD day 8 December 2017 (L210 / L217, building L, Campus Etterbeek, 12h30)

12h30-13h30: Lunch + posters

13h30: Welcome Prof. Frank Van Overwalle

13h40- 14h40: Oral presentations Part I (moderator: Prof. Eric Kerckhofs)

13h40: **Bart Aben** (*Cognitive neuropsychology*)

Transient and sustained activity in cognitive control

14h00: **Laura Legat** (*CNS and Blood pressure control*)

GABA-ergic release modulated by α -adrenergic receptor stimulation in the rat nucleus tractus solitarii

14h20: **An Buckinx** (*Target-driven drug discovery approaches for refractory epilepsy*)

The functionality of ghrelin-R:D1R interactions in D1R-mediated kindling

14h40-15h10: Coffee break + posters

15h10-16h10: Oral presentations Part II (moderator: Prof. Ilse Smolders)

15h10: **Jeroen Van Cutsem** (*Exercise and the Brain in Health and Disease*)

Mental fatigue and physical performance

15h30: **Luis Carlo Bulnes** (*The affective brain*)

The effects of Botulinum toxin on the detection of gradual changes in facial emotion

15h50: **Anouk Pierre** (*Neuromodulation and inflammation in stress-related mental disorders*)

Is obesity-induced ghrelin resistance a causal factor in stress-related mental disorders

16h10: Closing Prof. Romain Meeusen

Posters:

Johan Baijot (*Cognition and modelling*)

Biomarker for cognitive deterioration in MS based on Network analysis of fMRI

Laura Walrave (*Target-driven drug discovery approaches for refractory epilepsy*)

Are connexin43 hemichannels involved in gliotransmission?

Andries van Schuerbeek (*Neuromodulation and inflammation in stress-related mental disorders*)

Modulation of neuronal fear circuits through transcranial direct current stimulation

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

Chemogenetic modulation of astrocytes in temporal lobe epilepsy

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

Effect of IGF-1 on microglia cell line BV-2 against Oxygen-Glucose deprivation injury

Lise Verbruggen (*Glutamate Transporters*)

The role of system xc⁻ in (healthy)brain aging

Lauren Deneayer (*Glutamate Transporters*)

The effect of systemic lipopolysaccharide treatment on the nigrostriatal pathway

An De Prins (*Target-driven drug discovery approaches for refractory epilepsy/ Neuromodulation and inflammation in stress-related mental disorders*)

Development of potent and proteolytically stable human neuromedin u receptor agonists

Nina Lefeber (*Neurological Rehabilitation*)

Is the Cardiometabolic Demand of Walking Different Between Walking With and Without Robot-Assistance After Stroke, and Does the Demand Change Between 6, 18 and 30 Minutes?

Giulia Albertini (*Glutamate Transporters / Target-driven drug discovery approaches for refractory epilepsy*)

Genetic and pharmacological manipulation of glutamate transporters in a mouse model of viral-induced epilepsy

Blazej Pedzich (*Neuromodulation and inflammation in stress-related mental disorders*)

Modulation of fear processing by a hallucinogenic 5HT_{2A} receptor agonist

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

Unveiling the role of neuromedin U in the stress response

Hans Stuyck (*Cognitive (neuro) psychology*)

Enhancing Creative Problem Solving: Processes at Work during Incubation and Illumination

Stéphanie Hostenbach (*Multiple Sclerosis*)

Suppression of endothelin-1 expression in reactive astrocytes in vitro