

# 6th edition of the U4 Summer School

## “AGEING BRAIN”

### 28/08 – 2/09/2017

Dear young neuroscientist,

After many successful editions, Ghent University will host this year's U4 Summer School “Ageing Brain”.

We have set up an attractive program for senior Master students and junior PhD students who have a specific interest in neuroscience and want to be trained to face the biggest challenge of the century; ageing.

When this sounds appealing to you, you might be interested to apply for participation in our Summer School on the ageing brain. During a 5-day-course, experts in the field will give high level lectures in the morning and in the afternoon you will work on a group assignment that needs to be presented by the end of the week.

Last but not least, we will make sure that besides interesting talks and hard work, you will have the opportunity to discover the beautiful and interesting city of Ghent (<http://www.ugent.be/en/living/everyday/local.htm>).

We hope to inspire you with our program and welcome you this summer in Gent!

Prof. Dr. Paul Boon



Dr. Evelien Carrette



# PROGRAM

6th edition of the U4 Summer School "Ageing Brain"	
Monday August 28th 2017	10.00 - 10.15 Welcome by Prof. Boon
	<b>Theme: Pathologies in the aged brain - Chair Paul Boon</b>
	10.15 - 11.00 Prof. Berry Kremer (Groningen) Healthy Ageing of the Brain
	11.00 - 11.45 Dr. Anne Sieben (Gent) Dementias
	11.45 - 12.30 Prof. Patrick Santens (Gent) Parkinson's disease
	12.30 - 13.45 lunch
	13.45 - 14.30 Prof. Veerle De Herdt (Gent) Stroke and Its' comorbidities
	14.30 - 15.00 Introduction on the assignment
	14.30 - 18.00 Working on the assignment
	18.00 - ... Get together ...
Tuesday August 29th 2017	<b>Theme: Healthy living and active ageing: prevention - Chair Evelien Carrette</b>
	9.00 - 9.45 TBA The impact of food on healthy living
	9.45 - 10.30 Dr. Freja Geysen (Gent) The impact of exercise on healthy living
	10.30 - 11.00 break
	11.00 - 11.45 TBA The impact of stress on healthy living
	11.45 - 12.30 Dr. Stephanie Hödl (Gent) The impact of sleep on healthy living
12.30 - 13.45 lunch	
13.45 - 18.00 Working on the assignment	
Wednesday August 30th 2017	<b>Theme: Early detection and diagnosis - Chair Dr. Van Langenhove</b>
	9.00 - 9.45 Dr. Tim Van Langenhove (Gent) Early detection - clinical aspects and genetics
	9.45 - 10.30 Prof. Dag Sehlin (Uppsala) Preclinical development of PET-tracers for neurodegenerative disorders
	10.30 - 11.00 break
	11.00 - 11.45 Prof. Paul Boon (Gent) Electrophysiology and biomarkers in the field of neuroscience
	11.45 - 12.30 Prof. Bert Aldenkamp (Gent) Newer MR modalities to study ageing
12.30 - 14.00 lunch	
13.45 - 18.00 Working on the assignment	
Thursday August 31st 2017	<b>Theme: Management and rehabilitation - Chair Marijke Miatton</b>
	9.00 - 9.45 Prof. Evert Thiery (Gent) Neuroplasticity and Reorganisation
	9.45 - 10.30 Dr. Kristine Oostra (Gent) Stroke rehabilitation via motor imagery
	10.30 - 11.00 break
	11.00 - 11.45 Dr. Miet De Letter (Gent) To rehabilitate or not to rehabilitate in primary aphasia; that is the question
	11.45 - 12.30 Prof. Marc Leman (Gent) Stimulating the cognitive-motivational brain loop of elderly people with a music-bike: theory and demonstration
12.30 - 13.30 lunch	
13.30 - 16.00 Working on the assignment	
16.00 - 17.00 Q&A assignment mentors	
17.00 - 18.00 Working on the assignment	
Friday September 1st 2017	<b>Theme: Therapeutic development and options in the field of neuroscience - Chair Robrecht Raedt</b>
	9.00 - 9.45 TBA DRUG development: from preclinical to the market
	9.45 - 10.30 Prof. Martin Ingelsson (Uppsala) Immunotherapy and gene therapy for AD or PD
	10.30 - 11.00 break
	11.00 - 11.45 Prof. Robrecht Raedt (Gent) Opto- and chemogenetics in neuroscience
	11.45 - 12.30 Prof. Kristl Vonck (Gent) Neurostimulation in neuroscience
12.30 - 13.30 lunch	
13.30 - 16.00 Assignment presentations	
16.00 - 17.00 Drinks	
Saturday September 2nd 2017	Ghent citytrip

## PRACTICAL INFORMATION

To apply for participation in this year's summerschool please e-mail your CV and motivation letter to [Evelien.Carrette@UGent.be](mailto:Evelien.Carrette@UGent.be) before **June 30<sup>th</sup> 2017**.

**Registration is free for students affiliated with a U4 University**

*(Universiteit Gent – Rijksuniversiteit Groningen – Uppsala Universitet – Georg-August-Universität).*

**Registration-Fee is 250€ for students from other universities.**

By July 15<sup>th</sup>, students that are selected for participation will be informed by e-mail and asked to transfer their payment (if applicable).

Accommodation can be arranged on specific request in the student home "Kantienberg" for 209€ for 7 nights.

For more information on home Kantienberg please visit <http://www.ugent.be/en/facilities/housing/halls/residences/kantienberg.htm> or contact [Evelien.Carrette@ugent.be](mailto:Evelien.Carrette@ugent.be) directly.