

FAST FACTS

- In-depth **6-month** course (30 ECTs)
- Taught in **English**
- **Small-scale** interactive education
- Close **interaction with experts** in the field
- Access to cutting edge **research facilities**
- Gain **hands-on experience** with different research techniques

PRACTICAL INFORMATION

- From September 2025 to March 2026
- 2 teaching days per week
- Most courses organized at the Ghent University Hospital Campus
- Tuition fee: €3450
- Application deadline: 09/05/2025
- **Complete the application form** (see 'how to apply'), where you can upload all required documents

*Scan for
more info*



CONTACT INFO

Program director
Prof. Dr. Paul Boon

Department manager
Mrs. Lien Vanhoorne

Course manager
Drs. Emma Lescauwat

Department of Head and Skin
Ghent University
Corneel Heymanslaan 10
9000 Gent

e-mail: GE34.sec@ugent.be
Phone: +32 (0) 9 332 64 72

Supported by



GHALL
GHENT HEALTH ACADEMY
FOR LIFELONG LEARNING
FACULTEIT GENEESKUNDE EN
GEZONDHEIDSWETENSCHAPPEN

The Ghall - UGent
Department of Head and Skin



POSTGRADUATE STUDIES IN NEUROSCIENCE AND BRAIN HEALTH

*"If the human brain were so simple that we
could understand it, we would be so simple
that we couldn't"*

~ Emerson Pugh ~



ABOUT THE COURSE

Worldwide, 43% of the population is affected by a brain disorder. To prevent brain disorders and develop new treatment options, we need a better understanding of the healthy brain, the diseased brain and the drivers influencing our 'brain health'.

This postgraduate course offers broad theoretical knowledge as well as hands-on experience providing you with all requirements to perform state-of-the-art neuroscientific research in the field of brain health.

THE PROGRAM

The healthy brain

- Neuroanatomy
- Neurophysiology
- Brain functions
- Brain health

The diseased brain

- Neuroinflammatory diseases
- Headache and pain
- Dementia
- Stroke
- Epilepsy
- Movement disorders
- Disorders of consciousness
- Brain tumors

Research methods in neuroscience

- EEG
- (f)MRI
- PET/SPECT
- TMS
- Neurogenetics
- Photometry
- Opto- and chemogenetics

Neuromodulation

- Invasive neuromodulation techniques (DBS, VNS)
- Non-invasive neuromodulation techniques (tES, tVNS, PNS, TMS, TUS)

Neuropharmacology

- Radiopharmacology
- Drug development

Applied neurosciences

- Neuro-economics
- Neurotechnology
- AI in neuroscience
- Brain - computer interface (BCI)
- Basic programming
- Health data in the future
- Data management and analysis, statistics
- Science communication
- Awareness, advocacy and fundraising
- Clinical trial development
- Valorisation
- Neuro-ethics and philosophy
- The role of neuroscience in human resources
- Global brain health
- Neuropsychology

ADMISSION REQUIREMENTS

You obtained a Master's degree in:

- Biomedical sciences
- Biochemistry and biotechnology
- Bioscience engineering
- Biomedical engineering
- Pharmaceutical care
- Drug development
- Pharmaceutical engineering
- Biology
- Psychology
- Medicine
- Veterinary medicine
- Speech Language and Hearing Sciences
- Nursing and midwifery
- Rehabilitation Sciences and Physiotherapy

HOW TO APPLY

Complete the application form, where you can upload your **diploma***, **grade transcript**, **CV** and **motivation statement**** before **09/05/25**. Your application will be evaluated and the selection result will be communicated 4 weeks after your submission.



*Scan to
apply*

To ensure close interaction between teachers and students, there is a **numerus fixus** of 15 students. Subscriptions will be closed once this amount is reached.

*if you're still enrolled in your masters, please provide a proof of enrolment and grade transcript.
**describe why you want to enroll in this program, your current motivation and future perspectives in a letter or 5min video.