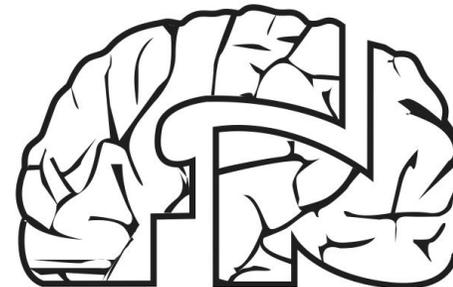


Research Master in Cognitive and Clinical Neuroscience

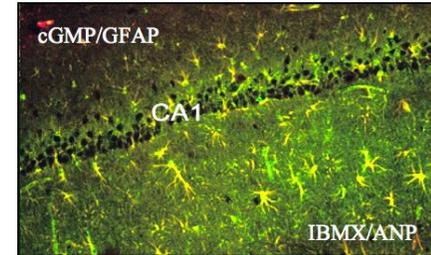
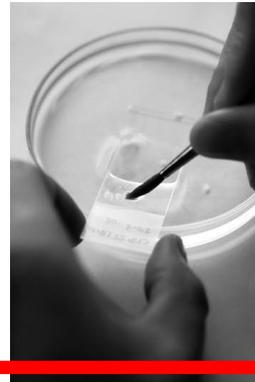
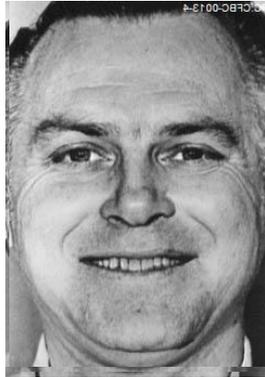
Fundamental Neuroscience Specialisation

Prof. dr. Jos Prickaerts
Specialisation
Coordinator

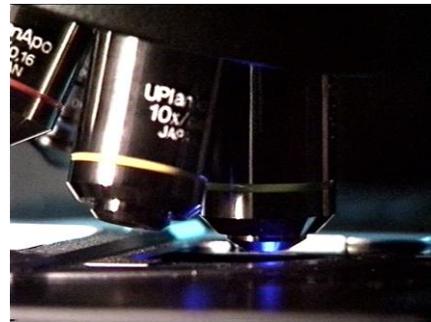
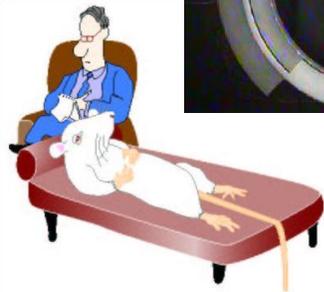
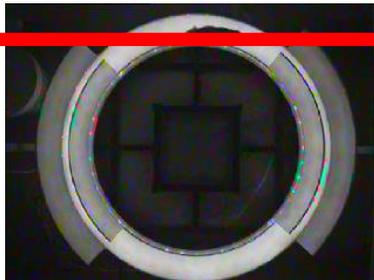
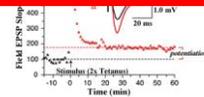
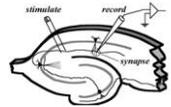


Why study FN?... ... What do you study?

Go
the **extra**
mile



Recording LTP in Hippocampal Slices



FN specialisation - general

- Focus on underlying molecular/biological mechanisms of psychological, psychiatric and neurological disorders
- Topics include cell signalling, brain plasticity, neurodegeneration, regeneration, pain, neuroinflammation and (epi)genetics
- Translational setting: both animal and human research
- Scientific career as a researcher in both academia and industrial setting
- 20 students started in 2018



Curriculum elements (2 years)

- Core courses: *research techniques and topics*
- Skills trainings: *hands-on techniques (mostly included into courses)*
- Workshops: *research designs*
- Advanced statistics: *essential methods*
- Interdisciplinary Research Program: *widening perspectives*
- Individualised Elective: *pursue your own interests*
- Internship: *from theory to practice*
- *Research internship and masters thesis (32 weeks)*

FN Staff

- Specialisation embedded in both
 - Faculty of Psychology and Neuroscience (FPN)
 - Faculty of Health, Medicine and Life Sciences (FHML)
- Professionals
 - Biologists
 - Molecular Biologists
 - Biological Psychologists
 - Neuropsychologists
 - Neurobiologists
 - Neuroanatomists
 - Psychopharmacologists
 - Immunologists
 - Psychiatrists



Core Courses



Individualized Electives (2x)
(e.g. Animal Laboratory Sciences)

- Introduction to (parallel program)
 - Psychology (~biology students)
 - Molecular and Biochemical Techniques (~psychology students)
- Neuroanatomy
- Biopsychological Neuroscience
- Neurodegeneration
- Neuroplasticity and Pain
- Neuroimmunology and Inflammation
- Neurological Neuroscience
- Psychiatric Neuroscience
- Electrophysiology

Internship (32 weeks)

- More than 80% students outside Maastricht at prestigious universities/institutes (e.g. Oxford, Karolinska, Columbia, Salk, MIT, Harvard, Max-Planck, King's College etc.)
- Via international network of FN staff

Career path

- Almost exclusively PhD student
- Industry, foundations, TTO, etc.



Who can apply

- Students with a BA in:
 - Biological Psychology
 - (Molecular) Biology
 - Life Sciences
 - Medicine
 - Bioengineering
 - Chemistry
 - Pharmacy

- ...



For more information:

The screenshot shows the Maastricht University website navigation and content for the 'Fundamental Neuroscience' master's program. The top navigation bar includes 'Education', 'Research', 'Life@UM', 'News & events', 'About UM', 'Support', and 'MyUM'. The breadcrumb trail is '/Education / Master's / Fundamental Neuroscience'. A left sidebar menu lists 'Master's', 'Fundamental Neuroscience', and various program details like 'Why this programme?', 'Courses & curriculum', 'Rankings & recognition', 'Your future', 'Admission requirements', 'Admission & registration', 'Tuition fees', and 'Contact'. The main content area features a 'Master' section with a link to the 'Faculty of Psychology and Neuroscience' and the program title 'Fundamental Neuroscience'. A 'Fast facts' section lists key features: fundamental research at the interface of biology, psychology, neurology, and psychiatry; close collaboration with leading experts; a research internship in world-leading groups; a 2-year, full-time research master taught in English; selective admission (24 new students per year); and an MSc in Cognitive and Clinical Neuroscience. A green button at the bottom of the fast facts section says 'Apply now!'.

<https://www.maastrichtuniversity.nl/fpn/researchmaster/fn>

FN coordinator: Jos Prickaerts
jos.prickaerts@maastrichtuniversity.nl