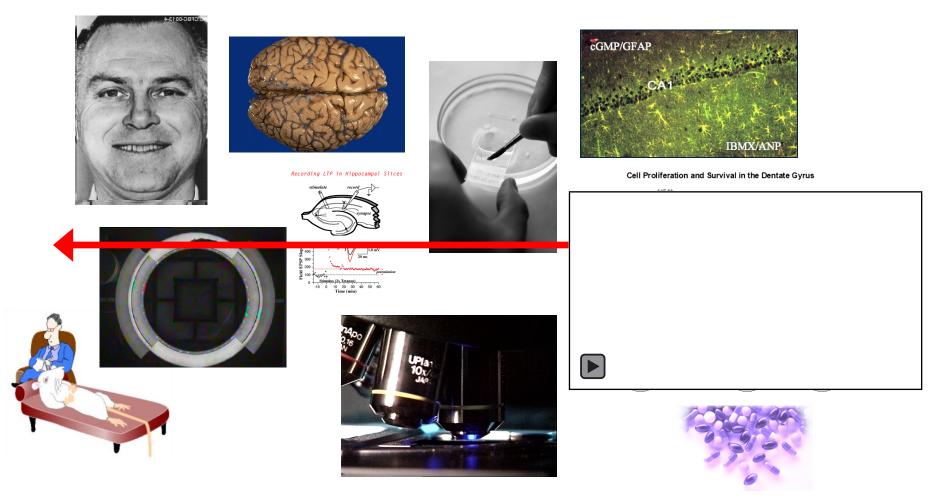
# Research Master Fundamental Neuroscience

Prof. Dr. Jos Prickaerts Coördinator 30 November 2019





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





#### **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
- 21 students started in 2019



#### **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













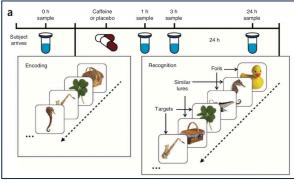






#### **Core Courses**





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

**Maastricht University** 

- 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.

Maastricht University



## Who can apply

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





#### For more information:

	Education	Research	Life@UM	News & events	About UM	Support 👖	MyUM
	/Education / Master's / Fundamental Neuroscience				Find	Find another programme	
	Master				🖹 Fast f	🖹 Fast facts	
> <u>Master's</u>	★ Faculty of Psychology and Neuroscience Research Master in Cognitive and Clinical Neuroscience <b>Fundamental Neuroscience</b> What is the molecular biology behind memory? Which genetic alterations make you more vulnerable to stress and depression? And which cellular targets can be used to treat Alzheimer's disease? If these questions intrigue you, the specialisation Fundamental Neuroscience might be what you are looking for. You'll study the mechanisms that underlie psychological processes, as well as psychiatric and neurological disorders. The courses are organised along the mechanisms and disorders, and include practical training sessions in which you will acquire laboratory skills you'll need to study them. You will also take several courses that focus on improving your academic skills, such as writing papers and research proposals. After you've completed the programme, you will have obtained all the knowledge and skills you need to embark on an academic career in fundamental neuroscience.				<ul> <li>fundamental research at interface biology, psychology, neurology and psychiatry</li> <li>close collaboration with leading</li> </ul>		
> Fundamental Neuroscience					⊘ research inte leading grou	<ul> <li>experts in the field</li> <li>research internship in worldleading groups here and abroad</li> <li>2-year, full-time research master, taught in English</li> <li>starts in September, selective admission (maximum enrolment 24 new students each year)</li> <li>you'll get an MSc in Cognitive and Clinical Neuroscience</li> </ul>	
Why this programme? >					taught in Eng		
Rankings & recognition >					admission (m new student		
Your future > Admission requirements >					- , 0		
Admission & registration >					You can only ap	You can only apply for 1 specialisation.	
Tuition fees >					Apply nov	v!	

<u>https://www.maastrichtuniversity.nl/education/master/research-master-cognitive-</u> <u>and-clinical-neuroscience-specialisation-fundamental</u>

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