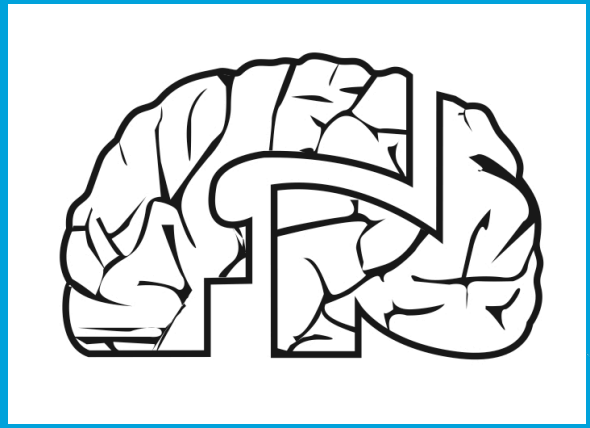
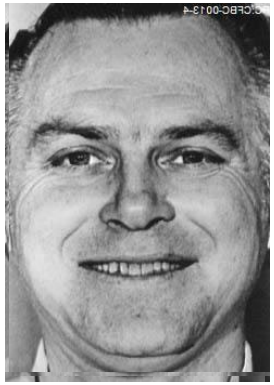
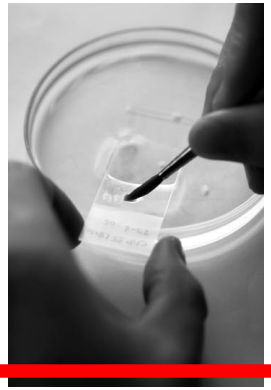
Research Master Fundamental Neuroscience

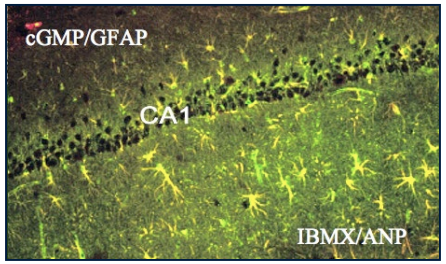
Prof. Dr. Jos Prickaerts
Coördinator
30 November 2019

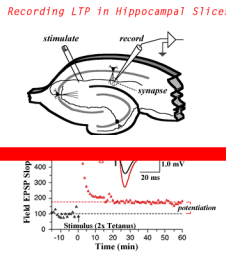


Why study FN?...
… What do you study?

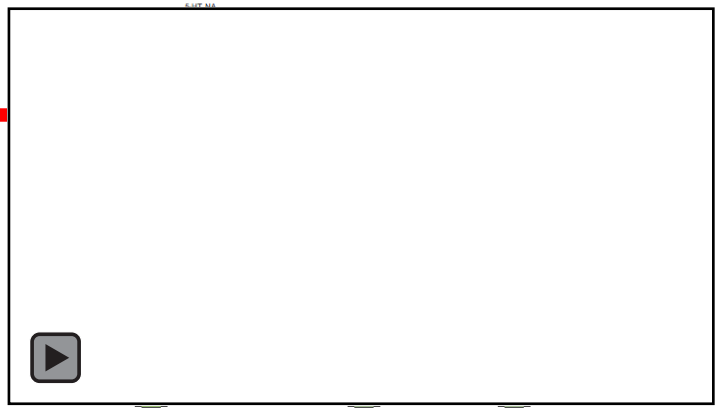


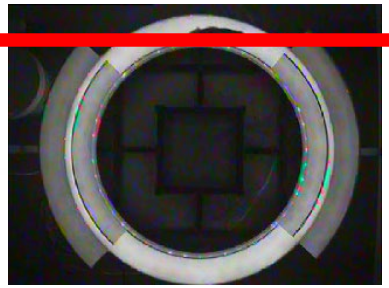


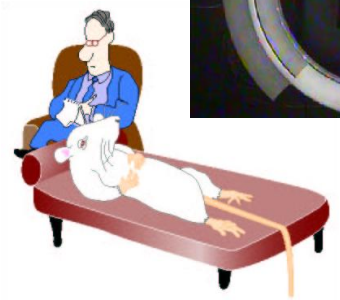


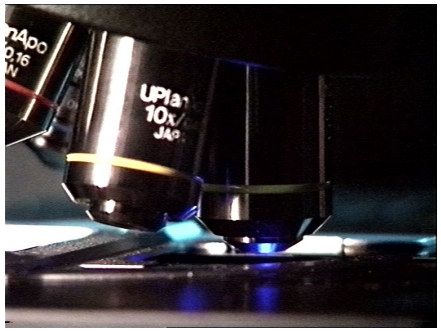


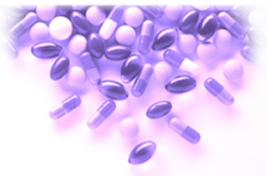
Cell Proliferation and Survival in the Dentate Gyrus











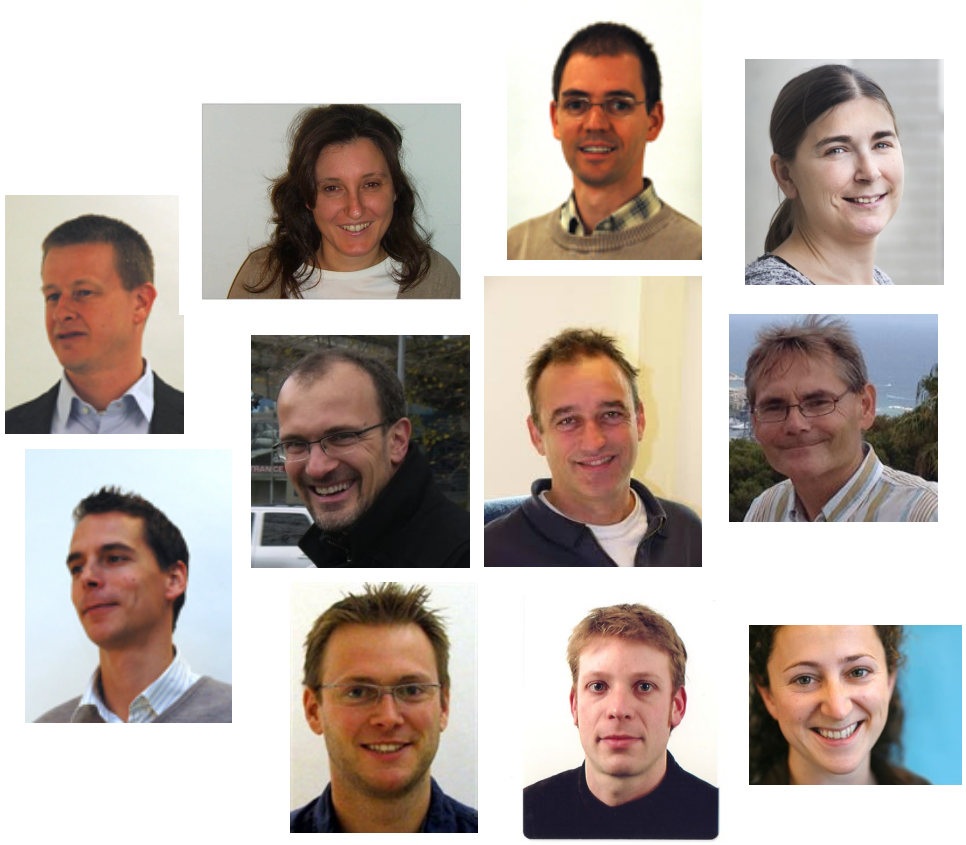
FN specialisation - general

- 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

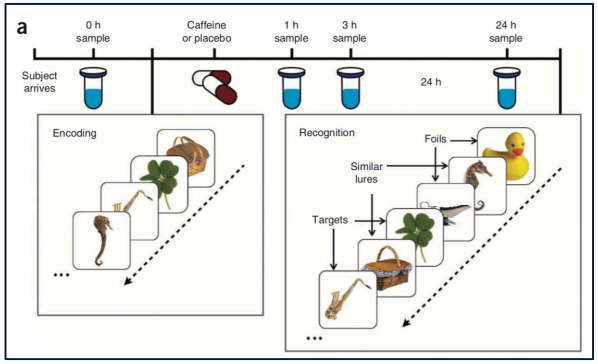
FN Staff

- 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



- 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

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

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

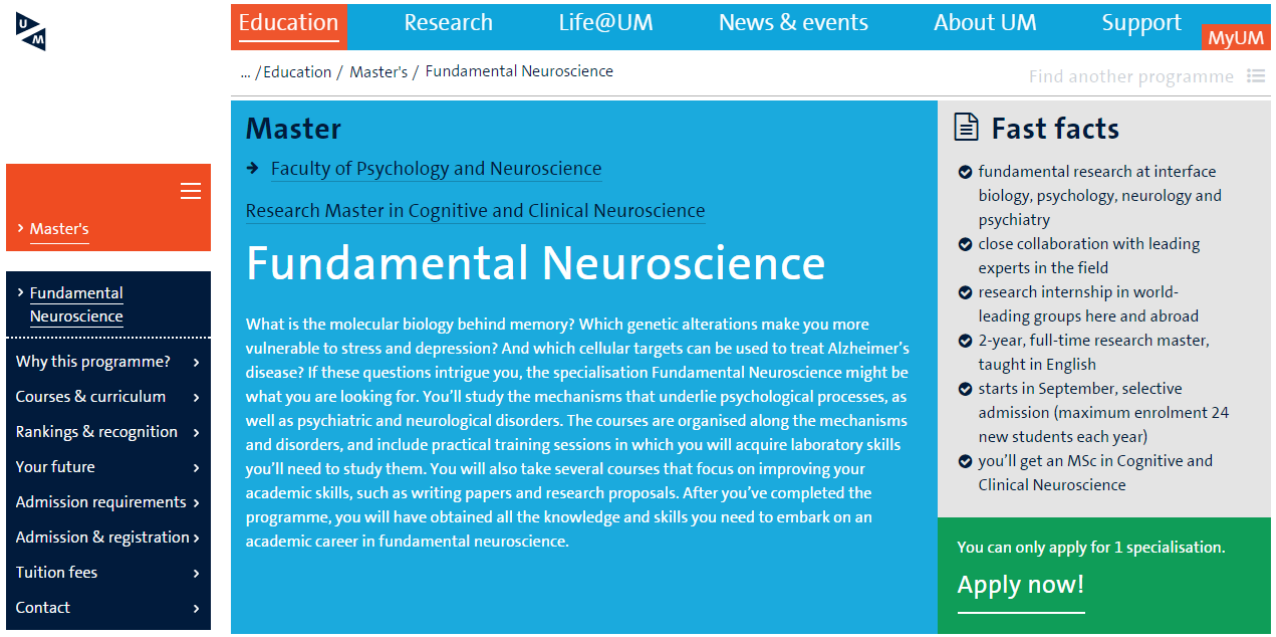
Career path

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

Who can apply

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

For more information:



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

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Maastricht University