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Research Master in Cognitive and Clinical Neuroscience

Fundamental Neuroscience Specialisation

Prof. dr. Jos Prickaerts

Specialisation Coordinator

KEUZEGIDS TOP RATED PROGRAMME Masters 2019

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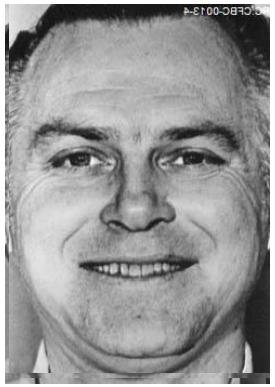
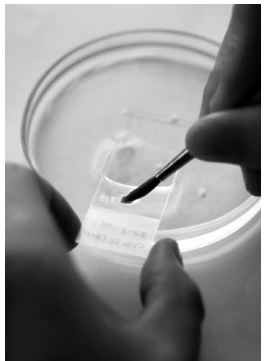
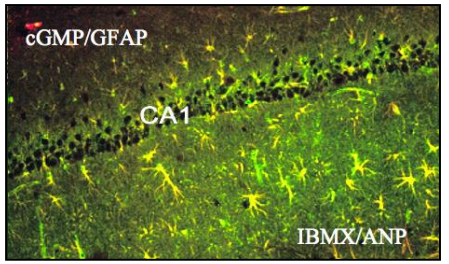
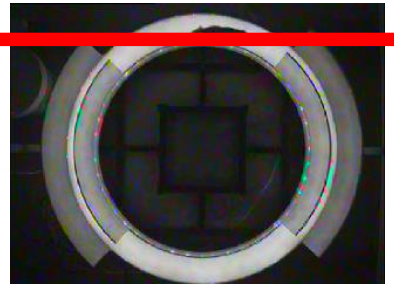
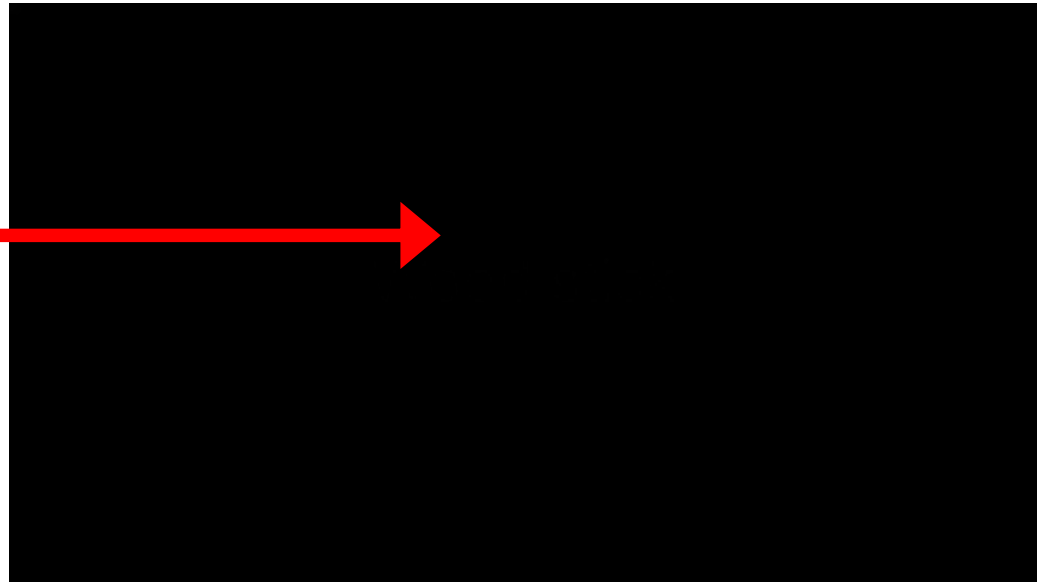
Why study FN?...
… What do you study?

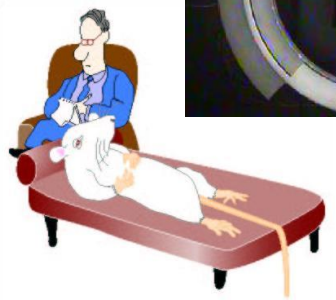


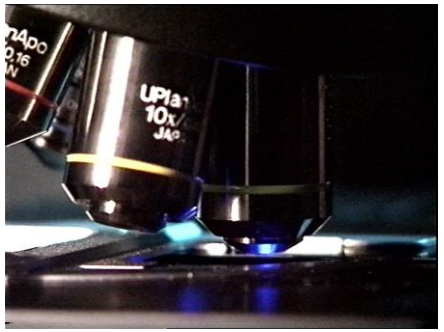


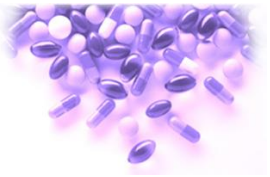












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FN specialisation - general

- 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

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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)*

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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

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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

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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.

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Who can apply

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

- …

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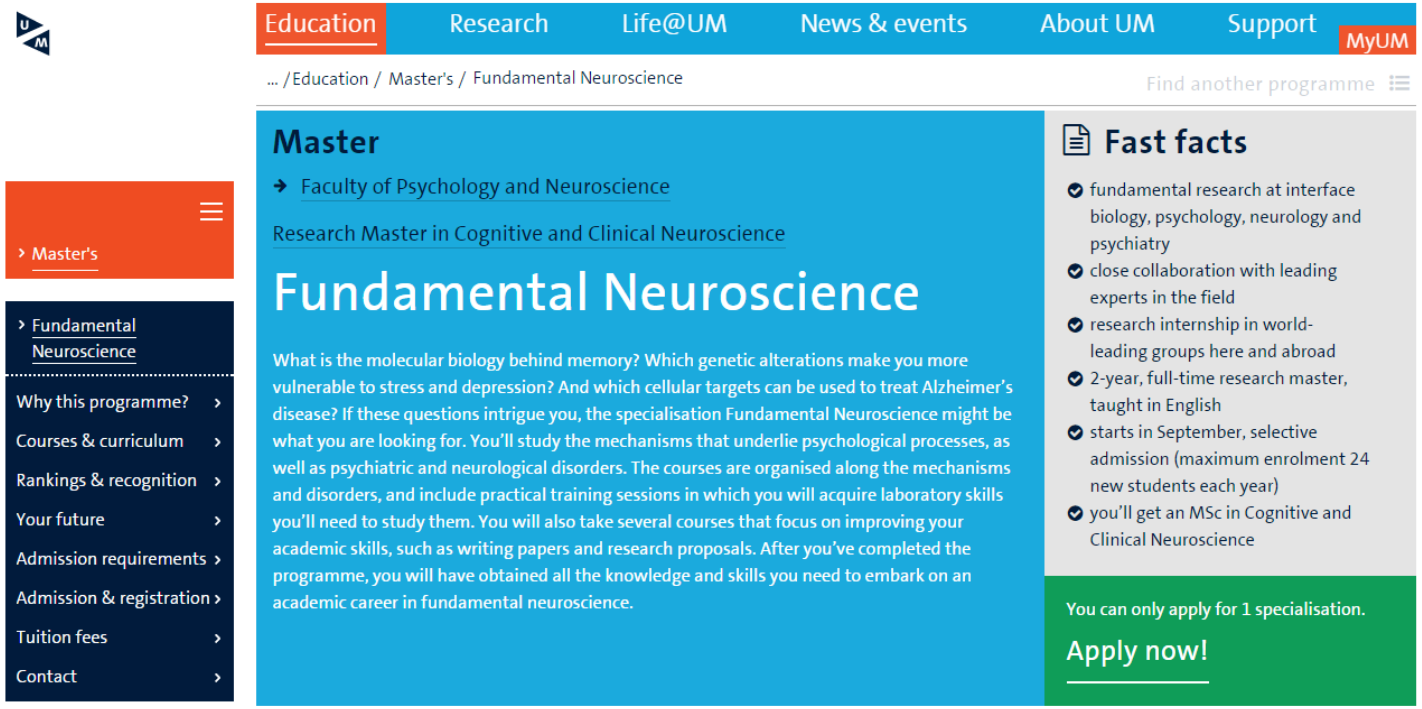
For more information:



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

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