ADMISSION REQUIREMENTS

M1
The applicant must have a bachelor's degree in life sciences, biomedical sciences, medical sciences, or an equivalent degree (a major in biology and a minor in neuroscience).
A B2 level or an equivalent certificate in English/ French is required for non English/French native speakers.

M2
The applicant must have obtained the M1 level in neuroscience or an equivalent degree with at least a two-month internship in a research laboratory. Engineers and medical/paramedical students with an equivalent of 240 ECTS and knowledge in neuroscience are welcome to apply.
A B2 level or an equivalent certificate in English/ French is required for non English/French native speakers.

The master's degree is open to French and international applicants. The admission committee will assess the motivation, personal statement, and the academic marks of each applicant. The admission committee will invite the applicants fulfilling all the admission requirements for an interview.

LOCATION

PARIS DESCARTES UNIVERSITY
Faculty of Basic and Biomedical Sciences

PARIS DIDEROT UNIVERSITY
Faculty of Life Sciences

CONTACTS

PROGRAM CHAIRS
Pr. Mehrnaz JAFARIAN-TEHRANI (Paris Descartes)
Dr. Isabelle CAILLÉ (Paris Diderot)

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For more information
www.master-neuroscience-paris.fr
(January 2019)

Educational Administration Office
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MASTER NEUROSCIENCE

A new Master's Degree starting in September 2019



MASTER IN NEUROSCIENCE

A new interdisciplinary master's degree in neuroscience offered by Paris Descartes and Paris Diderot University located in the heart of Paris

The master's program will provide students with a broad knowledge in the field of neuroscience ranging from molecular and cellular to integrative neuroscience.

- High-skilled researchers, clinicians and experts in the vast and ever-growing field of neuroscience coming from universities, research institutes, hospitals, and industries
- Experimental skills using cutting-edge techniques (ten-month internships in Paris or abroad)
- Skills in project management, experimental design, data analysis, and scientific communication.
- Over 50 research laboratories and facilities involved in this program

A master's degree for motivated students willing to pursue a career in the field of neuroscience, in both public and private sectors. An access to different PhD schools in France and abroad.

1st SEMESTER

CORE MODULES
- Functional neuroanatomy
- Development and evolution of the nervous system
- Sensorimotor and cognitive systems
- Neuropharmacology
- Neurophysiology
- Neuroscience of homeostatic processes
- Cellular mechanisms of neuropathologies
- Scientific communication
- Neural data science with Python
- Lab sessions

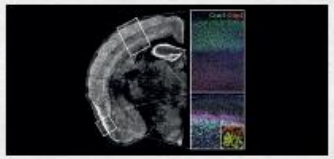
2nd SEMESTER

CORE MODULES
- Models, experimental design and statistics
- Project management and scientific valorization



OR

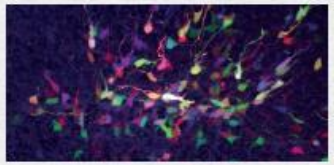




During the first year (M1), students will acquire a solid theoretical knowledge in neuroscience with an emphasis on experimental neuroscience research.

- Courses taught in **English or in French**
- **State-of-the-art** technology in neuroscience research
- Methodology in neuroscience taught during each semester
- An overall **four-month internship** is required to validate the M1 level, either a long internship abroad, or 2 different internships 2 months each

Our facilities of cutting-edge technologies are actively involved during internships and lab sessions.



3rd SEMESTER

CORE MODULES
- Neuroimaging
- Nervous system disorders and repair
- Drug discovery for nervous system
- Research proposal

OPTIONAL MODULES IN CELLULAR AND MOLECULAR NEUROSCIENCE
- Brain plasticity
- Glial and non neuronal cell biology
- RNA regulation in the CNS
- Neuro-epigenetics

OPTIONAL MODULES IN INTEGRATIVE NEUROSCIENCE
- Systems neuroscience
- Neurogenetics, psychiatry and behaviour
- Brain and metabolism (Master NuM6Si)
- Cognitive neuroscience (CogMaster)

ONE FREE MODULE IN OTHER MASTERS

4th SEMESTER





During the second year (M2), students will acquire more in-depth knowledge in different fields of neuroscience. Core and optional modules in cellular and molecular neuroscience and integrative neuroscience are offered. Students can take one free module from other master's degrees (Master of genetics, CogMaster, BME,...).

- Courses taught in **English**
- **State-of-the-art** technology in neuroscience research
- Personal and team working to elaborate a research project in neuroscience
- An overall **six-month internship** in France or abroad is required to validate the M2 level

