

Master Biologie

Parcours Neurobiology Neurosciences (NN)

Présentation

The objectives of the "Neurobiology-Neurosciences" (NN) master program are to provide the students with a strong scientific background in the various aspects of Neurosciences, from the most integrated ones to the cellular aspects. The students will also become familiar with the various techniques used in this developing field in Biology.

At the end of this 2 year master program, the students should be able to undertake a PhD program in the fields of Neurobiology or Neurosciences.

The first year of the "Neurobiology-Neurosciences" (NN) master program ("Molecular and Cellular Biology" program) is meant to complete the general scientific background of the enrolled students in various fields of Biology (Cell Biology, Genetics and Biochemistry) (first semester of the master 1 program), introduce the students to their specific master 2 program by offering them specialized courses (second semester of the master 1 program), introduce the students to a research project, from its conception to its experimental undertaking and up to the report of the obtained results by an oral presentation as well as a written report (module of 18 ECTS during the first semester of the Master 1 program; internship of 2 months in a research laboratory or in a R&D laboratory from a private company), allow the students to develop their written and oral skills for the search of internships and/or jobs as well as for the presentation of research projects and experimental results (mandatory modules of 3 ECTS - "Communication tools" - and 18 ECTS during the first semester of the Master 1 program, 2 month internship during the second semester).

Admission

Second year of the Master's degree in Biology: to be eligible to apply, you should have completed (or you should be enrolled in) a first year of a Master's degree in Sciences *i.e.* you should have validated 60 ETCS of a Master's degree in Sciences by the end of your current academic year.

Public continuing education : You are in charge of continuing education:

- if you resume your studies after 2 years of interruption of studies,
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed.

If you do not have the diploma required to integrate the training, you can undertake a [validation of personal and professional achievements \(VAPP\)](#).

Vous souhaitez candidater et vous inscrire ?

Sachez que la procédure diffère selon le diplôme envisagé, le diplôme obtenu, ou le lieu de résidence pour les étudiants étrangers.

Laissez-vous guider simplement en suivant ce lien :

<http://www.univ-grenoble-alpes.fr/fr/grandes-missions/formation/candidatures-et-inscriptions/>

2 campagnes de candidature sont organisées pour le Master 2 mention Biologie

Campagne 1 :

- Ouverture de campagne sur e-candidat : **Du 04 au 22 mars 2019 inclus**

Campagne 2 :

- Ouverture de campagne sur e-candidat : **Du 29 avril au 17 mai 2019 inclus**

Poursuite d'études

Graduating from a Master degree in "Neurobiology – Neurosciences" leads to a career as a research engineer in academic or private laboratories.

For the students interested in a career as a research scientist in academic institutions or in private pharmaceutical industries: consecutively to a Master degree in "Neurobiology – Neurosciences", the students may choose to continue with a PhD program depending from a French Doctoral School or foreign universities and related to the aforementioned fields of Biology.

Consecutively to their PhD, the young researchers undertake one or two post-doctoral trainings of 2-3 years each, usually in foreign countries, in order to diversify their expertise. They can then apply to permanent positions as

- full time researchers at the national French organizations of research ("CNRS", "INSERM", "INRA", "IRD", etc);
- project managers in R&D laboratories from private biotech companies;
- part time researchers, part time teachers in French or foreign universities.

Infos pratiques :

- > **Composante** : UFR Chimie-Biologie
- > **Durée** : 1 an
- > **Type de formation** : Formation initiale / continue
- > **Lieu** : Grenoble - Domaine universitaire
- > **Contacts** :

Responsable(s) pédagogique(s)

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Contact administratif

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Programme

Master 2e année

Semestre 9

UE Research project	6 ECTS	38h
UE Neurophysiology	6 ECTS	30h
UE Neurodegeneration and repair	6 ECTS	33h
UE Plasticity of the adult nervous system	6 ECTS	33h

1 élément(s) au choix parmi 7

UE Cancer disease : experimental and therapeutical approaches	6 ECTS	40h
UE High throughput in biology	6 ECTS	36h
UE Biostatistics, Bioinformatics, Modeling , Part II	6 ECTS	39h
UE Epigenetics and cell differentiation	6 ECTS	36h
UE Cardiovascular physiology and integrated metabolism	6 ECTS	36h
UE Ageing and longevity	6 ECTS	43h

UE Evolution and development of Eukaryotes	6 ECTS	36h
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Semestre 10

UE Communication in scientific english (part II)	3 ECTS	
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UE Business plan of your start-up (entrepreneurship and science)	3 ECTS	24h
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UE Laboratory internship NN (part II)	24 ECTS	
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