Euro-Mediterranean Master of Neuroscience (EMN-Online)

Program Outline

› Neurobiology and biotechnology, providing high level, interdisciplinary neuroscience training with an emphasis on innovative e-learning methods.

› Training in neuroscience is conducted with Students study theoretical concepts in modern neuroscience together with a broad range of experimental methods used in biotechnology and biomedicine.

› Teaching includes individual projects that require elaboration and communication of scientific data and concepts.

› Students acquire competency in modern techniques and to manage complex experimental setups.

› Teaching follows standards of excellence and is provided by international experts of the consortium. This consortium offers a large variety of top-level research labs for student training. In addition, consortium partners extend this offer with opportunities in their laboratories. Throughout their study and training, students develop connections and network across Europe and the Mediterranean region.

› EMN-Online follows the European system of postgraduate studies with equivalent credit value. The courses and evaluation procedure are identical within all partner universities.

Admission Requirements

Candidates must fulfill the following requirements:

› Hold a Bachelor in Life Science or three years study/ 180 ECTS equivalent in the field of Biomedical Science.

Academic Cooperation

Universities in Euro-Mediterranean countries:

› France, Italy, Poland, Spain, Sweden.

› Egypt, Lebanon, Morocco, Tunisia.

Program duration

2 years (120 ECTS).

Language Requirements

Courses are taught in English and/ or French. Candidates should have a B1 level of English or equivalent.

Fees and scholarships

Annual tuition fees for EU / non EU students:

› According to the student's home university.

Strengths

› International curriculum with identical core courses.

› Open to students following initial training and lifelong learning methods.

› Innovative teaching based on group work and flipped classroom with modern e-learning tools favoring student autonomy.

› Development of a collaborative MOOC on the societal implications of neuroscience.

› Specialization tracks based on the expertise of each partner in fundamental or biomedical sciences.

› A unique, wide-range of complementary skills and methods that cover all fields of modern neuroscience, from molecular aspects to in vivo analysis.

› A dense network of expert research labs and easy access to high-level, specialized core facilities.

› Student R&D projects in academic and industrial fields.

› Bilingual teaching and close collaboration between universities to promote international mobility opportunities.

Year 1

Semester 1 & 2

Acquisition of general concepts:
› Cellular Neurobiology
› Functional Neuroanatomy
› Neural Basis of Cognition
› Mechanisms of Neurological Diseases
› Neuropharmacology
› Developmental Neurobiology
› Bioinformatics and Biotechnology
› Language and Communication

Year 2

Semester 1

› Societal implications of neuroscience (economy & bioethics).

Three specialized tracks in basic or applied neuroscience:
› Molecular and Cellular Neuroscience
› Integrative and System Biology
› Medical Neuroscience and Neuroimaging

Semester 2

Practical training in an academic lab or a private company. Students may benefit from the consortium network in Europe and the Mediterranean region. Outside the EMNOnline consortium members, hosting labs are located in many countries worldwide including Germany, USA, Canada, Brazil, Australia, etc.

How to apply?

The application procedure starts in March and is processed via the Apoflux system.

And after?

Graduates will be able to continue their studies with research:

› Application to the PhD programs currently available in the consortium member's institutions, or in any research institution worldwide.
They may also apply for positions as the following:
› Researcher, Service Engineer, Application Scientist, Bio-Medical, Engineer, Sales Engineer, Healthcare Executive.

Website

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