

Interuniversity Master and PhD Program of NEUROSCIENCE

Year 2024-2025

Quality Certification by the Ministry of Education (2004-2010)
Favorable evaluation of ANECA for the Mention for Excellence (2011)
Member of the "Network of European Neuroscience Schools (NENS)"



Universities

University of Vigo (UVIGO)
University of A Coruña (UDC)
University of Santiago de Compostela (USC)

Objective

Our master is mainly oriented to provide a deep scientific education that allows the student to make the PhD Program and develop the Doctoral Thesis in any field of Neuroscience (basic or clinic research) in the future.

Structure of Master

The students have to study 60 credits

- 20 mandatory credits
- 21 optative credits (specialty)
- 19 End-of-master Project credits

Two specialties

1. Cognitive Neuroscience
2. Cellular and Molecular Neurobiology

Teaching staff

60 university and hospital doctors from the three universities.

Teaching

The subjects will be taught from the university to which each teacher belongs, the theoretical part can be followed by videoconference from the three universities, avoiding the travel of the student as much as possible.

Target audience

Graduates and people with certification in Experimental Sciences and Health Sciences: Biology, Veterinary, Pharmacy, Medicine, Psychology, Biochemistry, Sea Sciences, Physiotherapy etc.

Telematic enrolment

<https://matricula.uvigo.es/>

First call: **July 1-7**

Enrolment: **July 26-29**

Second call: **August 23-28**

Enrolment: **September 13-16**

Third call: **September 23-25**

Enrolment: **October 10-11**

Total vacancies: 40

UVIGO vacancies: 10

More information in the Secretary of the Faculty of Biology

PhD Program

Once the master is completed, our students can enroll in the PhD of Neuroscience and Clinical Psychology with the aim to complete their Doctoral Thesis and opt for the degree of Doctor. For this we have 40 research lines.

Graduates who have completed an equivalent master can also enroll the PhD Program (they have to be accepted previously by the Academic Commission).

More information

Dr. Manuel A. Pombal (UVIGO coordinator).
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<http://www.usc.es/neurosci/>

Administrative information (Enrollment, fees...)

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Subjects of this Master

MANDATORY SUBJECTS	C
Cell biology of the nervous system	4
Neurochemistry	4
Neuroanatomy	4
Physiology of the nervous system	4
Neuroscience of behaviour	4
End-of-Master Project	19
OPTATIVES SPECIALTY COGNITIVE NEUROSCIENCE	
Psychophysiological techniques	3
Applied research in cognitive neuroscience	3
Superior psychic processes	3
Addictive behaviour	3
PET/SPECT neuroimaging: preprocessing, analysis and clinical applications	3
Computer neuroscience	3
Neurodegeneration and neurorepair	3
Basis of clinical neurophysiology	3
Basis of psychiatry	3
Neuroscience applied to clinical neurology	3
Computer and biological models of knowledge representation	3
OPTATIVES SPECIALTY CELLULAR AND MOLECULAR NEUROSCIENCE	
Basis of genomics and proteomics in neuroscience	3
Neuropharmacology	3
Molecular neurobiology techniques	3
Development of the nervous system	3
Evolution of the nervous system	3
Comparative neuroanatomy	3
Neuroanatomical techniques	3
Ion channel and neuronal behaviour. Introduction to channelopathies.	3
Neuroendocrinology	3
Electrophysiological techniques	3
Neurotoxicology	3
For the specialty to be included in the European Diploma Supplement (SET), students must take at least 5 subjects corresponding to the specialty.	