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Universidad del País Vasco Euskal Herriko Unibertsitatea



UNIVERSIDAD DE CANTABRIA

MASTER IN MOLECULAR BIOLOGY AND BIOMEDICINE

www.ehu.eus

INTRODUCTION & OBJECTIVES

The Master's degree in Molecular Biology and Biomedicine (MBMB) is an Official degree program offered jointly by the University of the Basque Country (UPV/EHU) and the University of Cantabria (UC). This master program received the approval of ANECA and UNIBASQ and has been offered successfully each year since 2007. The MBMB includes the majority of scientists from the UPV/EHU, UC and associated Institutes currently engaged in cutting-edge research in the field of Molecular Biology, as well as in a variety of molecular aspects of Biomedicine.

This is a research-oriented degree.

ENTRY PROFILE

Undergraduate university degree in Biochemistry; Biology; Biotechnology; Chemistry; Medicine; Pharmacy; Physics; Veterinary Science or equivalent degrees. Acceptance of degrees in other fields is at the discretion of the Master's Committee.

CAREER OPPORTUNITIES

The MBMB provides direct access to the doctoral program in Molecular Biology and Biomedicine offered by the UPV/EHU and UC. The MBMB degree also fully prepares graduates for work opportunities in biotechnology companies, pharmaceutical laboratories, biomedical research institutes, and other ventures.

ABOUT THE COURSE

Teaching place:

UPV/EHU: Faculty of Science and Technology (Leioa).

UPV/EHU: Faculty of Medicine and Nursing (Leioa).

Teaching type: 100% on-site.

Teaching language: English, Spanish, Basque.

Approximate fees: 2.150-2.350 €.

Calendar: September-June.

TEACHING LOAD

<u>Compulsory subject courses</u> 10 Credits ECTS	<u>Optional subject courses</u> 20 Credits ECTS	<u>Research Projects</u> 30 Credits ECTS	<u>Total</u> 60 Credits ECTS
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TRAINING SYLLABUS

Spanish (Es), English (En), Basque (Eus).
Location: UPV/EHU or UC.

The Master's Degree requires 60 credits divided into a course period (30 credits) and a research period (30 credits). During the course period, students typically study 6 subjects, each worth 5 credits, and 2 of

which are compulsory. They must also choose 4 other subjects from the 14 electives taught at the UPV/EHU or at the UC.

COMPULSORY COURSES

Workshop in molecular biology (En)
Workshop in biomedicine (En)

OPTIONAL SUBJECTS:

UPV/EHU

- Fundamentals of genomics, proteomics and bioinformatics (En).
- Molecular bases of cell proliferation, differentiation and death (En).
- Bases moleculares y celulares de la liporregulación (Es).
- Biología celular y molecular de membranas (En).
- Farmacología molecular y farmacogenética (Es).
- Neurociencias (Es).
- Proteomikaren oinarriak (Eus).
- Regulación enzimática (Es).

UC

- Genetic engineering and biotechnology (En).
- Structure of macromolecules (En).
- Avances en neuropsicofarmacología (Es).
- Microbiología molecular y celular (Es).
- Biología celular y del desarrollo (Es).
- Respuesta inmune normal y alterada (Es).

CONTACT

Academic information:

Asier Fullaondo

Phone: +346015696

Email: asier.fullaondo@ehu.es

PARTNER WITH A COOPERATION AGREEMENT

