

# Master`s Thesis

**MASTER'S DEGREE IN INTEGRATIVE SYNTHETIC BIOLOGY**

***UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO***

Másteres  
en Universitarios

This document can be used as reference documentation of this subject for the application for recognition of credits in other study programmes. For its full effect, it should be stamped by UIIMP Student's Office.



## GENERAL DATA

**Name**

Master's Thesis

**Code**

102632

**Academic year**

2024-25

**Degree**

[MASTER'S DEGREE IN INTEGRATIVE SYNTHETIC BIOLOGY](#)

**ECTS Credits**

30

**Type**

TRABAJO DE FIN DE MÁSTER

**Duration**

Duracion A

**Language**

# COMPETENCES

## General competences

CG3 - Contribute to developing new ideas (models or hypotheses, strategies, methodologies or combinations thereof) in the field of Integrative Synthetic Biology.

CG6 - Contribute to ongoing research, expanding knowledge in the field of Integrative Synthetic Biology, with the possibility of being published in the same way as professional researchers communicate their scientific undertakings.

## Transversal competences

CT1 - Prepare, write and publicly defend scientific and technical reports.

CT2 - Work in multidisciplinary teams.

CT3 - Develop independence and effectiveness in daily research.

CT4 - Boost motivation for scientific research.

## Specific competences

CE5 - Direct and competently develop experimental work in a research lab for structural and chemical biology, molecular and cell biology, environmental biology and molecular and cellular medicine.

CE6 - Use experimental methodologies and associated instruments used in the field of research into Integrative Synthetic Biology.

# LEARNING PLAN

## Training activities

| Training activity                                   | Hours*     | % On site |
|---|------------|-----------|
| TA6.-Preparation and defence of the master's thesis | 750        | 5         |
| <b>TOTAL</b>  | <b>750</b> |           |

## Teaching methods

M3 Tutorials

# EVALUATION

## Evaluation system

| Evaluation systems                            | Minimum rate | Maximum rate |
|---|--------------|--------------|
| E2 Evaluation of the master's thesis memoir   | 30           | 50           |
| E6 Report from the master's thesis supervisor | 10           | 15           |
| E7 Evaluation of the master's thesis defence  | 40           | 60           |

# FACULTY

## Coordinator/s

### **Barriuso Maicas, Jorge**

*Doctor en Biotecnología  
Centro de Investigaciones Biológicas (CIB)  
Consejo Superior de Investigaciones Científicas (CSIC)*

### **Otero Muras, Irene**

*Doctora en Ingeniería Química (Universidad de Vigo)  
Científica Titular CSIC  
Instituto de Biología Integrativa de Sistemas (UV-CSIC)*

### **Martín Santamaría, Sonsoles**

*Investigadora científica.  
Centro de Investigaciones Biológicas (CIB)  
Consejo Superior de Investigaciones Científicas (CSIC)*

### **Rivas Caballero, Germán Alejandro**

*Profesor de Investigación de OPI  
Centro de Investigaciones Biológicas Margarita Salas (CIB-CSIC)*

## Lecturers

### **García Ruiz, Eva**

*Doctora en Ciencias Biológicas  
Doctora "Programa Atracción de Talento Investigador de la Comunidad de Madrid"  
Instituto de Catálisis y Petroleoquímica, CSIC*

### **Monterroso Marco, Begoña**

*Doctora en Farmacia  
Centro de Investigaciones Biológicas (CIB)*

*Consejo Superior de Investigaciones Científicas (CSIC)*

**Díaz Fernández, Eduardo**

*Investigador Científico*

*Centro de Investigaciones Biológicas (CIB)*

*Consejo Superior de Investigaciones Científicas (CSIC)*