

## PARTICIPATING INSTITUTIONS AND PARTNERS



## SECRETARY

D<sup>a</sup> MARÍA LUISA NICOLÁS TOMÁS

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## ACADEMIC COORDINATOR

Dr SEBASTIÁN CÁNOVAS BERNABÉ

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## INFORMATION REQUEST

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## MORE INFORMATION

<http://www.um.es/postg-biorep/>

<http://www.um.es/web/veterinaria/idioma/estudios/masteres/bio-tecnologia-mamiferos>

MASTER COURSE OFFICIALLY ACCREDITED BY



SUPPORTED BY THE BILINGUAL PROGRAM



UNDER THE AUSPICES OF

ASEBIR



anacer  
ASOCIACIÓN NACIONAL DE CLÍNICAS  
DE REPRODUCCIÓN ASISTIDA

# 16<sup>TH</sup> EDITION

MASTER IN

# BIOLOGY AND TECHNOLOGY OF REPRODUCTION

## 2019 - 2020

UNIVERSIDAD DE  
MURCIA





## OBJECTIVE

The Master goal is to train specialists in Biology and Technology of Reproduction with a scientific and professional profile (both in human and animal reproduction)

## MASTER CONTENT

A total of **60 ECTS**:

- **Formative 42 ECTS**  
(30 compulsory + 12 optative subjects)
- **External Practices (Practicum) 12 ECTS**
- **Final Master's Dissertation 6 ECTS**
- **1 Academic year** (Sep 2019 - Sep 2020).
- **Timetable:** morning and afternoon (working days)
- **Language instruction:** English and Spanish.
- **Cost: 46.97€ each ECTS** (figures for year 2018-19)

## FIRST SEMESTER (SEP 2019 - JAN 2020)

### COMPULSORY SUBJECTS

- Advanced aspects of morphology and function of the reproductive system
- Fertilization and embryo development
- Basic reproductive technologies of gametes and embryo manipulation

## SECOND SEMESTER (FEB 2020 - SEP 2020)

### OPTIONAL SUBJECTS

- Assisted reproduction in humans
- Ethic and legal aspects of the life beginning and the assisted reproduction technique in humans
- Cryopreservation of gametes and embryos
- Epidemiology of reproductive health
- Ultrasound applications in reproductive biology
- Reproductive biotechnologies and recovery of endangered species
- Transgenesis, gene therapy, cloning and stem cells
- Basic issues of scientific activity: methods, foundations and ethics
- Cell and Molecular Biology techniques applied to the Biology of Reproduction
- Epigenetics in Reproductive Biology

## COMPULSORY

### EXTERNAL PRACTICES (PRACTICUM)

Minimum of 6 weeks in Clinics of Human Reproduction, Hospital Reproduction Units, Animal Reproduction Centers and Companies, University Departments, Research Centers and Reproductive and/or Biotechnological Companies located all around the world

### MASTER DISSERTATION

Under a tutor's supervision the students should execute a research work (experimental), prepare a written report according to a scientific format (objective, state of the art, material and methods, results, discussion and conclusion) and present and discuss the topic with an evaluation committee

## INFORMATION AND REGISTRATION

SECRETARY OF VETERINARY FACULTY  
UNIVERSITY OF MURCIA

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<https://preinscripcionmaster.um.es/preposgrado/Preposgradoweb.seam>

## ACADEMIC YEAR 2019 - 2020

### ENROLLMENT PERIOD

- Pre-Registration: **17 Jun 2019 - 12 Jul 2019**
- Registration: **24 Jul 2019 - 30 Jul 2019**
- A Degree or Bachelor in biosciences, medicine, veterinary, animal science, pharmacy, biology, biochemistry or biotechnology is required
- Language instruction: Spanish and English
- A B1 level in Spanish or English is required and a B2 level is highly recommended

### REQUIRED DOCUMENTS (A copy of)

- Identity Card or Passport
- Degree or Bachelor Title Certificate
- Official Transcript of Records
- Curriculum vitae
- Personal statement
- B1 certificate in English

