

# PARTICIPATING INSTITUTIONS & PARTNERS:



UNIVERSIDAD DE  
MURCIA



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## Secretary

D<sup>a</sup>. María Luisa Nicolás Tomás  
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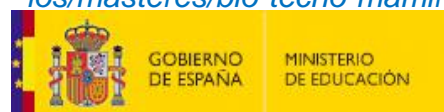
## ACADEMIC COORDINATOR

Dr. María Jimenez Movilla  
Email: [mariajm@um.es](mailto:mariajm@um.es)

## Further information:

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

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



MASTER COURSE OFFICIALY VALIDATED  
Spanish Ministry of Education

Supported by the bilingual  
program of Campus Mare Nostrum



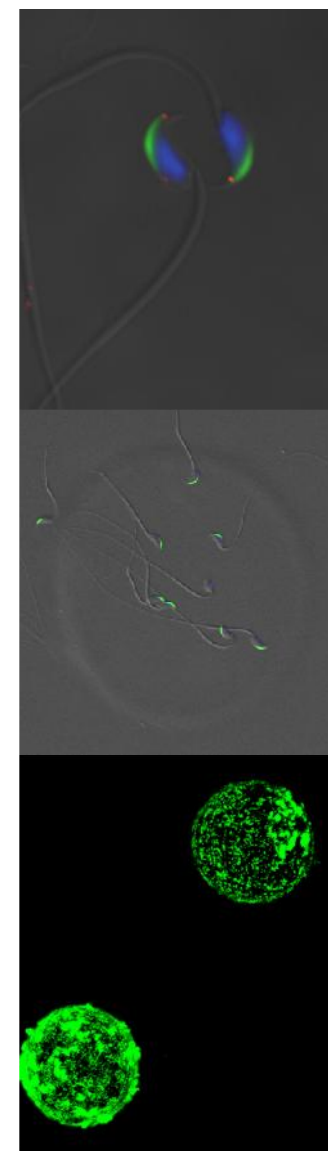
Under the auspices of:

ASEBIR  
Asociación para el Estudio  
de la Biología de la Reproducción

anacer  
ASOCIACIÓN NACIONAL DE CLÍNICAS  
DE REPRODUCCIÓN ASISTIDA

Recognized in the Ranking of best  
Master Courses

EL MUNDO



BIOLOGÍA Y TECNOLOGÍA  
DE LA REPRODUCCIÓN

15<sup>th</sup> edition 2018~2019

MSC in **BIOLOGY & TECHNOLOGY OF**  
**REPRODUCTION IN MAMMALS**

# OBJECTIVE:

The Master goal is delivering specialists in Biology & Technology of Reproduction with a scientific or professional (human or veterinary) profile.

## MASTER CONTENTS

A total of 60 ECTS:

- Formative ECTS, 42 (30 compulsory & 12 optative subjects)
- External Practices (Practicum) 12 ECTS
- Final Master's Dissertation 6 ECTS

1 Academic year (September 2018-September 2019).

Timetable: morning and afternoon of working days

Language instruction: Both in English and Spanish.

Cost: 46.97€ each ECTS (figures for year 2017-18)

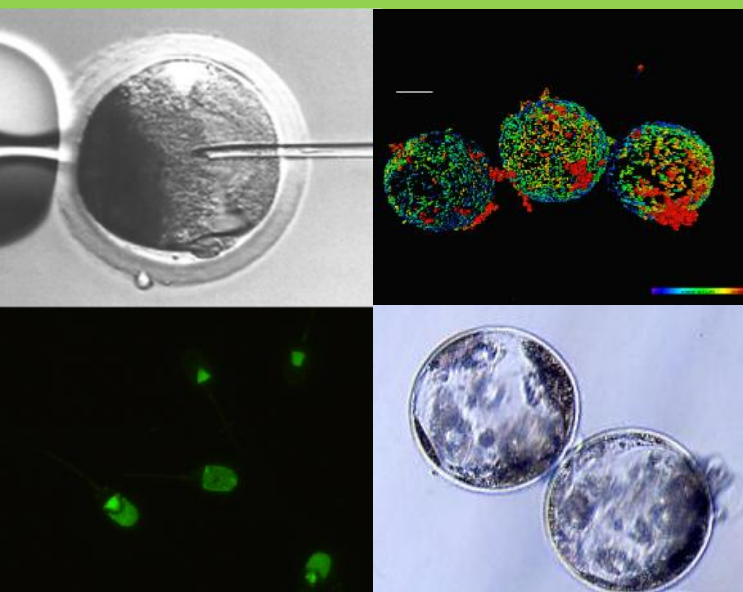
### WINTER SEMESTER (September 2018-January 2019)

#### 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 TERM (February 2019-September 2019)

#### OPTIONAL SUBJECTS: HUMAN REPRODUCTION PROFILE

Assisted reproduction in humans

Ethic and legal aspects of the life beginning and the assisted reproduction techniques in humans

Cryopreservation of gametes and embryos

Epidemiology of reproductive health

#### OPTIONAL SUBJECTS: VETERINARY PROFILE

Ultrasound applications in reproductive biology

Reproductive biotechnologies and recovery of endangered species

Transgenesis, gene therapy, cloning and stem cells

Cryopreservation of gametes and embryos

Epidemiology of reproductive health

#### OPTIONAL SUBJECTS: SCIENTIFIC PROFILE

Basic issues of scientific activity: methods, foundations, 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, University Departments Research centers and Reproductive and/or Biotechnological Companies located all around the world.

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

# INFORMATION & REGISTRATION

Secretary of Veterinary Faculty of Murcia- SPAIN-

Mrs. María Luisa Nicolás Tomás.

Phone: 34 868 883905

E-mail: [mlnt@um.es](mailto:mlnt@um.es)

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

### 2018-19 Academic Year:

Enrolment period (2018):

- Pre-registration: 15<sup>th</sup> June - 13<sup>th</sup> July

- Registration: 25-30<sup>th</sup> July

**Special enrolment period (2018):**

- Pre-registration : 12-21<sup>th</sup> September

- Registration: 2-5<sup>th</sup> October

A Degree or Bachelor in Biosciences is required.

Language instruction: both in Spanish and English.

An intermediate B2 level in Spanish and English is most recommended

Required documents (a copy of):

- Identity Card or Passport

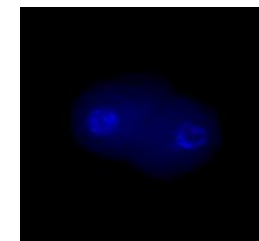
- Degree or Bachelor Title Certificate

- Official Transcript of Records

- Curriculum vitae

- Personal statement

- B1 certificate in English



### TEACHING STAFF

A broad and selected list of University Academics and Scientists, not only from the University of Murcia, but also from other Universities around the world, as well as from Research Institutions and Private Companies (see Participating Institutions and Partners).