

# PARTICIPATING INSTITUTIONS & PARTNERS:



UNIVERSIDAD DE MURCIA



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## Secretary

D<sup>a</sup>. María Luisa Nicolás Tomás  
Phone: 868 883905 E-mail: [mlnt@um.es](mailto:mlnt@um.es)

## 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

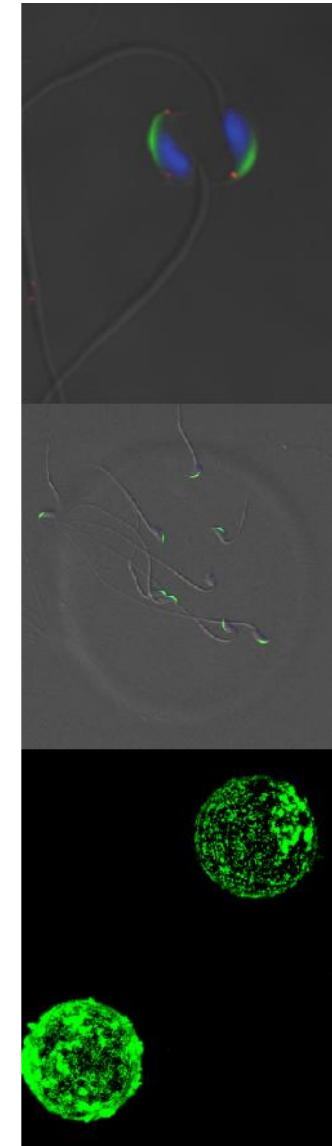
Supported by the bilingual program of Campus Mare Nostrum



Under the auspices of:



Recognized in the Ranking of best Master Courses



BIOLOGÍA Y TECNOLOGÍA DE LA REPRODUCCIÓN

14th edition 2017~2018

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)
- External Practices (Practicum) 12 ECTS
- Final Master's Dissertation 6 ECTS

1 Academic year (September 2017-September 2018).

Timetable: morning and afternoon of working days

Language instruction: Both in English and Spanish.

Cost: 46.97€ each ECTS (figures for year 2016-17)

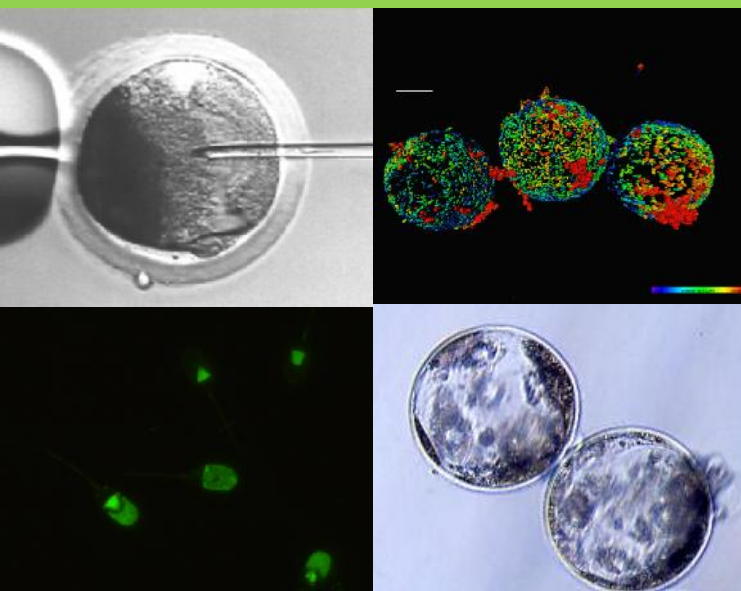
### WINTER SEMESTER (September 2017-January 2018)

#### 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 2018-September 2018)

#### 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): 6-12 weeks stay in a Clinic of Human Reproduction (IVI Alicante, Murcia, Almería, Barcelona, Las Palmas), Hospital Reproduction Unit (Quirón-Zaragoza, Torrecárdenas-Almería, Victoria Eugenia-Sevilla) University (UAB, UCM, Alicante, Lleida, Okayama, Gante, CULS-Praga University College Dublin), Research Institution (IMIDA, INIA, CCMIJU Cáceres, SERIDA Gijón, LARCEL Sevilla, FLI Mariensee-Alemania, MRBB Hohhot-China, INRA Tours-Francia) or Reproductive and/or Biotechnological Company (Rara-Avis Biotech, Proiser, IEGRA, Wild Spirit Sudafrica, Juan Jimenez Garcia, Equus Iberica).

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

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

### 2017-18 Academic Year:

First period (2017):

- Pre-registration: 10<sup>th</sup> March - 28<sup>th</sup> April

- Registration: 29<sup>th</sup> May-6<sup>th</sup> Juny

#### **Second period (2017):**

- Pre-registration: 30<sup>th</sup> June-14<sup>th</sup> July

- Registration: 25-28<sup>th</sup> July

#### **Special enrolment period (2017):**

- Pre-registration : 13-22<sup>th</sup> September

- Registration: 2-6<sup>th</sup> October

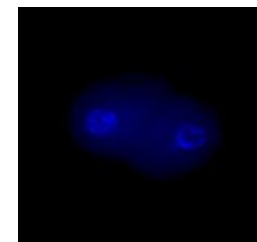
A Degree or Bachelor in Biosciences is required.

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).