

Why...

... Master's Studies in Comparative Vertebrate Morphology?

Five different European universities have joined efforts in an international, collaborative Master of Sciences – European Master of Comparative Vertebrate Morphology (EUCOMOR). This Master's degree answers to the need of the international biomedical environment for an expert who can innovatively contribute to animal research, the development of alternatives and imaging techniques and provide scientific arguments for e.g. revised legislation or position papers regarding the use of animals and animals for research purposes.

This Masters's Programme results in a graduate who is able to analyse and answer scientific questions related to the scientific domain of comparative morphology of vertebrates in an efficient and independent manner using the appropriate techniques.

As a result the graduate can fulfil an advisory, scientific and teaching role within biomedical research and animal morphology.



Contact and application

Admission criteria

Admitted are students in Life Sciences who have earned a minimum of 180 ECTS credits or equivalent to three years of bachelor studies with a minimum of 6 ECTS credits or equivalent in the field of cell biology, biology and/or animal morphology. Students who will complete their Bachelor's degree in the same year can also apply. However their admission is provisional and subject to them obtaining a Bachelor's degree before the start of the programme.

Language qualifications

A good command in English, both spoken and written is necessary. All non-native speakers are required to submit an English proficiency test. IELTS (academic version) overall band score of at least 6.5 or a TOEFL score of at least 580 (paper based) or 237 (computer based) or 92 (internet based) are considered sufficient.

Application procedure

All candidates should submit the appropriate application form via the website. The application deadline is Dec 31, 2013 for those students who wish to apply for an Erasmus Mundus scholarship. For other candidates the deadline is March 31, 2014.

Contact and information

For more information, visit the programme's website:

www.eucomor.net



Academic Coordinator

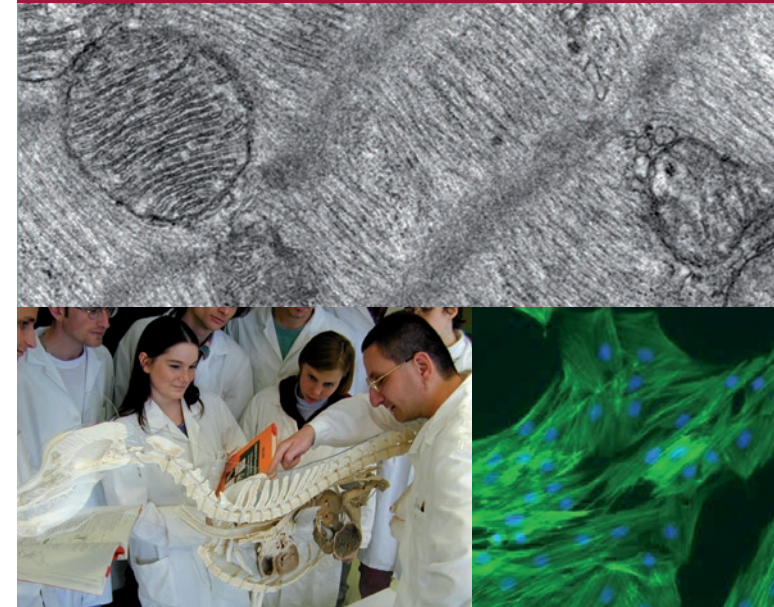
Prof. C. van Ginneken, University of Antwerp

Partners

Vetmeduni Vienna, Austria
Justus Liebig University Giessen, Germany
Poznan University of Life Sciences, Poland
University of Naples Federico II, Italy



European Master in Comparative Vertebrate Morphology



The programme is taught in English and runs over a two-year period (120 ECTS credits). Each year is divided in two semesters of 30 ECTS credits each. In a semester the courses are offered in a package (cluster). Students cannot make combinations between courses from different clusters in the course of one semester. The programme comprises 60 ECTS credits compulsory courses, 30 ECTS credits elective courses focusing on imaging techniques or in vitro assays, and 30 ECTS credits for the master thesis. The different core and elective courses are taught in different universities simultaneously. This results in for different 'mobility tracks' (see next page). Students are asked upon enrolment which track they choose. The track should involve minimum 60 ECTS credits to be spent at two different locations. These multiple mandatory mobility periods are a positive element from the socio-cultural and personal development point of view and add to the competences and competitiveness of the EUCOMOR graduates.

Degree

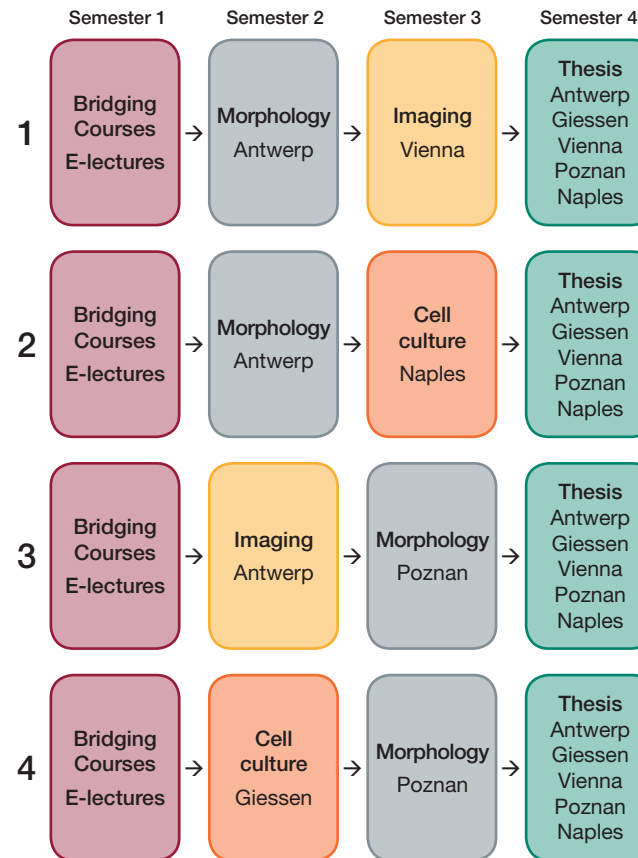
Successful students will receive a Master's degree of Science in Comparative Vertebrate Morphology jointly awarded by the partner institutions and signed by the Rector, President or Vice-Chancellor of each partner university.

In September 2012 the European Master in Comparative Vertebrate Morphology was selected by the European Commission as an Erasmus Mundus Master's Programme.

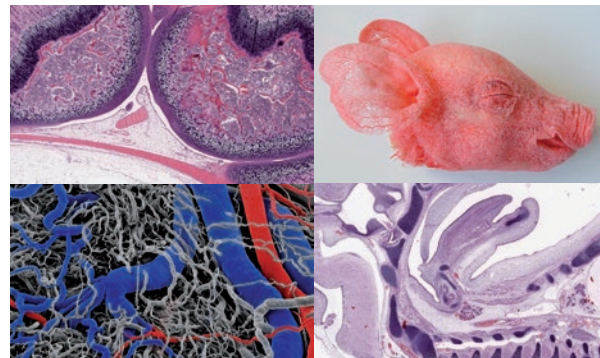
Registration fees

The annual registration fee and participation costs amounts to € 3,000 for EU/EEA and € 6,000 for non-EU/non EEA students. Some students are eligible for an Erasmus Mundus scholarship or partial waiver (see http://eacea.ec.europa.eu/erasmus_mundus).

Admission: 25 students per year



red boxes: bridging courses (e-lectures, basic courses); grey boxes: core courses; yellow & orange boxes: elective courses; bluegreen boxes: master thesis



Bridging courses – E-lectures (6 ECTS credits each)

- Basic biology and cell biology
- Basic vertebrate anatomy
- Basic vertebrate histology
- Basic vertebrate embryology
- Scientific methodology

Core courses – Morphology (6 ECTS credits each)

- Laboratory animal morphology
- Comparative neuroanatomy
- Ecomorphology
- Morphology of non-human primates
- Morphology of lower vertebrates

Elective courses – module Imaging

- Microscopical imaging and image acquisition (6 ECTS credits)
- Principles in vivo imaging (6 ECTS credits)
- Image analysis (6 ECTS credits)
- 3-dimensional rendering (3 ECTS credits)
- Research internship (9 ECTS credits)

Elective courses – module Cell culture

- Cell culture (6 ECTS credits)
- Stem cells (3 ECTS credits)
- Experimental embryology/morphology (6 ECTS credits)
- Advanced molecular techniques in morphology (6 ECTS credits)
- Research internship (9 ECTS credits)

Master thesis (30 ECTS credits)