Why study this Master at UAM?

The UAM is a modern university, interested in the integral formation of its students and recognized internationally, being framed within the group of the 200 best universities in the world. The UAM is recognized as one of the best Spanish universities for R&D and it counts with several National Research Institutes (CSIC, Consejo Superior de Investigaciones Científicas) in its campus.

In 2009, the Ministry of Education recognized the UAM as an International Excellence Campus UAM + CSIC, an initiative that is part of the Strategic plan for Universities 2015 that aims to place Spanish universities among the best in Europe.

The Master’s Degree in Pharmacological Research is taught in English and its teaching staff is integrated in the “Doing Plan” for teaching in English, endorsed by the UAM. The Master was initially verified by the ANECA national agency and, subsequently, accredited by the Knowledge Foundation Madrid + d.

OVERVIEW

Degree: Master’s Degree in Pharmacological Research
Academic discipline: Health Sciences
Number of ECTS: 60
Public fees: The minimum set by the Community of Madrid
Character: Research-oriented
Modality: Classroom teaching
Language of instruction: English
Place: Faculty of Medicine
Master’s website: www.uam.es/mi/investigacionfarmacologica
Contact: informacion.master.farmacologia@uam.es

Number of ECTS by type of subject:

<table>
<thead>
<tr>
<th>Type of subject</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Compulsory</td>
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<tr>
<td>Optional</td>
<td>10</td>
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<td>Master thesis</td>
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<td>Total</td>
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</table>

1 According to Spanish regulation this Master qualifies Level 7 in the European Qualifications Framework (EQF), which gives access to PhD studies.

2 Updated information at www.uam.es

3 Subject oriented to achieve the Official Certificate from the Community of Madrid for Animal handling and Experimentation (Elective) will be taught in Spanish.
Graduates and Employability

As it is a University Master’s Degree and aimed primarily at the completion of a PhD, most of the students who take this master’s degree achieve a predoctoral fellowship from public or private entities to carry out their PhD thesis and start a research-teaching career.

Context of these studies at UAM

Doctorate

PHD IN PHARMACOLOGY AND PHYSIOLOGY

Master

MSC IN PHARMACOLOGICAL RESEARCH

Bachelor

Degree

BIOLOGY

BIOCHEMISTRY

Admission Profile

The Master’s Degree in Pharmacological Research is aimed at graduates (Bachelor or Degree) in Medicine, Pharmacy, Biology, Biochemistry, Biotechnology, Chemistry, Veterinary, Nursing, Psychology or other related degrees in the area of Health Sciences with interest in doing a research career.

This Master gives access to a PhD program to obtain a PhD. The Department of Pharmacology and Therapeutics, which organizes this master’s degree, directs the PhD Program in Pharmacology and Physiology for those students interested in pursuing a research career in these areas.

Description and Objectives

The main objective of the Master is to train researchers in the innovation, research and development of new drugs. Students will acquire knowledge about the physiological and pharmacological bases of therapeutics, experimental techniques to study the molecular mechanisms of drugs and their evaluation in disease models, the identification of potential therapeutic targets, and the bases of the clinical trial.

This master includes the possibility of achieving the Official certificate for animal experimentation and management by the Community of Madrid.

The students will also learn transversal aspects of R&D, such as the search and presentation of scientific information and its critical analysis or the methods of processing and analyzing the experimental results.

Once acquired the basic knowledge on different aspects of pharmacological research, they will opt for their specialization in Cardiovascular Pharmacology or Neuropsychopharmacology, fields that include highly prevalent diseases and with an important social impact such as hypertension, diabetes, stroke or neurodegenerative diseases.

The Master’s Thesis will be carried out in a research laboratory where the students will be immersed in a scientific environment and will be able to develop the skills acquired in the theoretical classes through the development of a scientific project.

Research Internships

- The University Complutense of Madrid
- National Center for Cardiovascular Research (CNIC)
- Hospital paraplegics of Toledo
- Carlos III Institute
- Alberto Sols Institute for Biomedical Research (IIB)
- Research Institute of the Hospital Ramón y Cajal
- Research Institute of the Hospital la Paz
- Research Institute of the Hospital Fundación Jimenez Díaz
- Research Institute of the Hospital la Princesa