

Training activities programme:

The PhD candidate will enrol on the **Molecular Biosciences PhD programme of the Universidad Autónoma de Madrid (UAM)**.

The PhD training will be conducted at the Centro de Biología Molecular Severo Ochoa (CBM), which hosts **state-of-the-art facilities with all major equipment required for achieving the research goals** of the proposed project for the PhD candidate. Such facilities include the animal facility with high standard animal housing, surgical and behavioural rooms, imaging facility with 7 confocal microscopes and a super-resolution microscope, flow cytometry facility with 6 analytic pieces of equipment and two cell sorters, genomic facility with 4 qPCR machines and bioinformatic analysis team and proteomic facility with two mass spectrometers.

The **CBM hosts a number of scientific seminars** including weekly program seminars, yearly New Experimental Trends (NExT)CBM talks from principal investigators that recently joined CBM and several special seminars, in addition to three memorial lectures a year. Note that most of the special seminars and memorial lectures are from world-class international researchers. Furthermore, **CBM provides several training courses** on safety, biohazards or ethical use of research animals. In addition, **CBM hosts a PhD and postdoc day** organised by the students themselves and is launching a **series of non-scientific seminars** on opportunities outside academia, how to climb the academic ladder or women in science. Altogether, CBM provides a great environment to develop a successful PhD training.

PhD programme:

The PhD in Molecular Biosciences is one of the most prestigious programmes in Spain, which is a joint initiative of the Department of Molecular Biology from the Science Faculty and the Department of Biochemistry from the School of Medicine at the UAM.

TRAIN@CBM:

The PhD candidate will benefit from the newly launched TRAIN@CBM, which consists of a **PhD Advisory Committee (PAC)** aiming to support the student with external input for their research project as well as to detect and remediate any possible issues during the PhD training.

Technical training:

Due to the project's multidisciplinary nature, the PhD student will have the opportunity to acquire extensive training in cutting-edge techniques, from single-cell approaches for cell and molecular biology to behavioural experiments and the use of different research settings, including human samples, animals and cell cultures.

Short placement abroad:

The PhD candidate will undertake a short research stay (about three months) in a laboratory abroad. This placement will expand their research view, allowing the PhD candidate to acquire a broader research experience, increase their internationalisation and provide valuable data for their PhD project. We will select possible laboratories for this placement based on the PhD results.

Transversal skills:

The PhD candidate will be trained in transversal or soft skills such as critical thinking, scientific communication, time management or technical skills of general use such as programming, statistics and the use of excel.