

### **Training program**

The training capacity and experience of our group is a guarantee for new young students that want to follow a scientific research path. Also, our group participates in other student training activities, including teaching of graduate students. Also, we supervise Master's degree students, and graduate works from Biochemistry department. Altogether, this provides an excellent scientific environment for new graduate students.

Our projects and research investigations offer a wide variety of laboratory techniques in molecular and cellular biology, as well as research with experimental animal models. Students will be able to receive expertise in several techniques, such as RNA analysis with RT- qPCR, flow cytometry, cell sorting, western blotting, ELISA, or histological techniques. We can also offer the students an introduction to NGS techniques, such as RNAseq, ChIP-seq, ATAC-seq, whole-genome approaches in which bioinformatics is an important milestone. We are confident that students will have a wide-range of techniques for a formative period.

As part of this evolving technology and research students will also have the opportunity to attend cutting-edge seminars and symposiums organized by other public R+D institutes biomedical centers, from which we receive updates of seminars and events. This environment invites students to apply for national congresses, which are the natural forums for young students in their first years. Students have also an attractive offer of official Ph.D programs for general and focused research applications. One is the Molecular Biosciences (Biochemistry, Molecular Biology, Biomedicine and Biotechnology), a program organized and coordinated by the Departments of Biochemistry (Medical School, UAM) and Molecular Biology (Sciences Faculty, UAM).

In summary, we are confident that students will have a wide-range of techniques, activities, formative sessions and forums to train in biomedical research. Overall, we intend to transmit an integral training in science, and contribute to the maturity of these young researchers in order to help them become independent scientists in the future.