



ALBA LOMAS

I am a Biotechnologist graduated from the Technical University of Valencia (UPV) and currently I am finishing my Master in Computational Biology (MCB) at the Technical University of Madrid (UPM).

Thanks to the great academic training that the Biotechnology Degree and MCB provide their students, I have acquired a strong knowledge on different fields which can be very useful in the successful development of a biotechnologist profile: omic sciences, biomedicine, genetic engineering; and programming languages such Python, R, Nextflow, Scipion, Linux or Ruby.

I am very interested in the world of pharmacology and data analysis, and accordingly, I am doing a Master internship entitled "Integration of macromolecular structure analysis programs for structural biology, atomic models, and virtual drug screening", a project that combines both the massive analysis of genomic data and the study of new targets for drugs development, supervised by Carlos Óscar Sánchez Sorzano in the National Biotechnology Center (CNB).

My interest for computational biology initiated at the Final Degree Project (TFG, major Bachelor Thesis) that focused on, and specifically on the streamlining of a pipeline which is used to analyze metagenomic data. Furthermore, I have been enrolled in Biotechnology extra-curricular internships in the Institute of Integrative Systems Biology (I2SysBio) in 2021, where I have had the opportunity to work with professionals from Biomedical Research and New Technologies sector, such as Ana Conesa. I have also have experimental experience in the lab since I have participated in a summer internship in the Institute of Molecular and Cellular Biology of Plants (IBMCP-CSIC) of Valencia and I worked in a winery as laboratory technician in 2020

During these work experiences and internships, I have had the opportunity to work with interdisciplinary teams both face-to-face and telematically and therefore I am prepared to work in different scenarios. Another of my qualities is my persistence and tenacity to achieve the desired objectives and my ability to resolve relevant Real-World problems.

My main interest is to develop my career in the field of biological data analysis and the development of software that will be useful in the fields of human health (pharmacology) and metagenomics.

Languages

English: Advanced

Spanish: native

French: B1 Level

Valencià: basic

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