

Laura Hernández Lorenzo

I am a student from the Computational Biology Master at the Universidad Politécnica de Madrid (UPM). I studied a Biotechnology Bachelor's Degree at the same University, specializing in the computational branch.

As a biotechnologist I have acquired knowledge in fields such as Genetics and Molecular Biology of biosystems. Besides, the computational specialization permitted me establish contact with Informatics. I learnt programming languages such as Python, R or Ruby and started my career not only as a biotechnologist but also as programmer and bioinformatician. During the last year of my degree I did curricular practices at Institute of Agricultural Sciences (ICA-CSIC), where I worked with transcriptomic data from *Medicago truncatula* (barrel medic) and started to develop myself as a bioinformatician.



Then I decided to study the Computational Biology Master, where I learnt about Big Data and Machine Learning techniques as well as Genomic Analysis and Biological Systems Modelling. Currently I am working at the Informatics School at Universidad Complutense de Madrid (UCM) applying Machine Learning strategies to evaluate the therapeutical response of rare tumors.

During the university years I also could find time to spend in my other passion: playing cello. Music has given to me an outlet and to practice the instrument together with the university workload made me a perseverant person.

I would like to develop myself as a data scientist specialized in bio-related fields. The Computational Biology Master has introduced me to the Big Data world and boosted my computational skills to perform and develop as the professional I would like to become. Moreover, I would love to start working in multicultural environments to learn other points of view and cultures.

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Profile summary

Biotechnologist specialized in bioinformatics and data analysis, interested in developing a career as data scientist, especially focused in the Health field.

Master summary

This Master has reinforced Big Data, Bioinformatics and Biosystems Modelling knowledge, boosting my computational skills and complementing my biological profile.