LAURA GARCÍA MARTÍNEZ

BIOTECHNOLOGIST | COMPUTATIONAL BIOLOGY

I am a biotechnologist graduated in Miguel Hernández University (UMH) and I am currently studying the Computational Biology Master's degree in the Polytechnical University of Madrid (UPM).

PROFESSIONAL PROFILE

During my bachelor's degree, I obtained knowledge in molecular biology and genetics among other fields, and I specialized in viral experimentation in fish cell cultures thanks to perform the bachelor thesis in the Mr. Luis Pérez García-Estañ laboratory, where I learned experimental design and teamwork with other biotechnology students.

In the meantime, I perform several programming and bioinformatic courses which led me to choose computational biology. This master's degree has provided me with knowledge in several programming languages (Python, R, Ruby, Bash) and different techniques to manage and analyse biological data through Machine Learning, Big data (pyspark) and statistical approaches, without neglecting other bioinformatic areas as NGS analysis (Samtools, Bowtie2, Bcftools) and computational structural biology for lead discovery (Chimera).

Currently, I am acquiring experience in Machine learning using the Anaconda environment and the programming languages Python and SQL, to analyse data from the Barcelona Brain Health Initiative (BBHI) in the Bioengineering and Telemedicine research group led by Enrique J. Gómez Aguilera, where I am going to carry out the Master thesis.

Thanks to coursing this master's degree, I discover that I am interested in directing my career towards data management and analysis, using machine learning and Big data tools especially in the health area to also use my knowledge in the biotechnology field to better understand the meaning of biological problems and data.

CONTACT

Email: lauragarciamartinez29@gmail.com

LinkedIn: www.linkedin.com/in/laura-garcia-martinez-1b195118a