

**Pablo Angulo Lara**

## **PROFESSIONAL PROFILE**

I have a Bachelor degree in Biotechnology at Universidad Politécnica de Madrid (UPM), and I am a student of the Master's degree in Computational Biology (UPM). During my degree I have done laboratory internships at the Hospital Universitario La Princesa in the research group of Dr.Mónica Marazuela, working in "Mechanisms and mediators of inflammation in endocrine diseases". During these internships I have acquired experience in laboratory and mastered multiple techniques; immunohistochemistry, flow cytometry, qRT-PCR, processing of human samples, nucleic acid extraction, fluorescence microscopy, etc.



In the Master's degree I have done an external internship at Universidad Complutense of Madrid in the research group of Dr. José Luis Ayala Rodrigo that is collaborating with the Hospital 12 de Octubre. I was collaborating researcher in the project of "Predictive modelling of health risks derived from preeclampsia in pregnant mothers using their clinical data". In this project I have specialized in the application of Machine Learning processes to perform predictive models of disease risks.

I am currently interested in applying for jobs in research centers and companies, particular in groups specialized in the applications of computational biology in biomedicine, especially in synthetic biology, drug discovery and analysis of genomic data. I am also very interested in gaining knowledge in biomedicine through Machine Learning tools and massive data management.

The Master's degree in Computational Biology at UPM has allowed me to acquire knowledge in computational biology applications based on analysis and visualization of genomic data (variant calling, RNAseq, comparative genomics, metagenomics...), synthetic and programmable biology, drug and target discovery through structural computational analysis, Machine Learning, Data Mining and Big Data (using Spark). I have programming skills on Python, R, Ruby, Bash and SQL languages.

I consider myself a dedicated person with passion for research and motivation to overcome new challenges. I enjoy working in a team and exchanging knowledge in interdisciplinary groups. My greatest wish would be to find a job that I am passionate about and that will allow me to contribute more to solve current health challenges of the society.

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