

## ***Iván Martín Hernández***

### Professional profile:

I have a biotechnology degree from the Polytechnic University of Madrid (UPM), with a computational specialization. I obtained knowledge in programming, evolution analysis and phylogeny, protein structure analysis, molecular genetics, and databases management. I have done my final degree project in the Center of Biotechnology and Plant Genomics (CBGP) of Madrid ("The overlapping of genes as a modulator of the evolution velocity of DNA plant virus").



I have a great interest in the bioinformatics, structural biology and synthetic biology fields. Looking for my own formation, I joined the Open Lab Madrid team in 2018 and I participated with it in the iGEM (International Genetically Engineered Machine) competition in Boston with the project "*Internet of Biothings*" (<http://2018.igem.org/Team:Madrid-OLM>). We were the first team of Madrid that participated in this contest and we were nominated to the best open project.

My last stage has been this MSc. in computational biology, where I get specialized in the "Computational and Systems Biology and Genomics" branch. I have been doing the practices at the Chacón Lab in the Institute of physics and chemistry Rocasolano (IQFR-CSIC). The main theme in this lab is the prediction of the structure of protein loops using computational models, creating its own algorithm for loop closure: Random Coordinate Descend (RCD).

You can see more information in my LinkedIn profile: [https://www.linkedin.com/in/iv%C3%A1n-mart%C3%ADn-hern%C3%A1ndez-a97742142/?locale=en\\_US](https://www.linkedin.com/in/iv%C3%A1n-mart%C3%ADn-hern%C3%A1ndez-a97742142/?locale=en_US)

If you wish something don't hesitate to contact me at [ivan.martin.hernandez@alumnos.upm.es](mailto:ivan.martin.hernandez@alumnos.upm.es)

### Summary phrases:

MSc. in computational biology: Bioinformatician with biotechnology formation from the UPM. I am self-sufficient and self-taught, with high motivation for challenges. in constant learning and evolution.

### Master

This master brings knowledge and skills in all fields in which bioinformatics is present. It gives the ability to solve challenges that may appear in the future by programming your own script in different languages and having the necessary skills acquire new knowledge at all the new technologies which mix biology and computers.