

## Professional Profile

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Biotechnologist specialized in computational biology. I studied the Degree in Biotechnology imparted in the Polytechnic University of Madrid (UPM), where I discovered my interest in bioinformatics and its wide range of possibilities.

During these studies I could get in touch with all the applications that the biotechnology can offer, from research and development of new treatments for diseases to industrial biotechnology and bioinformatics. Before knowing my passion for programming and data science, I really enjoyed molecular biology and got in touch with research both in University and on my own, in a stay in the research group “Epigenetic control by the Polycomb Group of Genes” lead by Miguel Angel Vidal in the Center of Biological Investigations (CIB-CSIC). It was later when I got the chance to know more about the potential of informatics applied to biology. That lead me to get interested in bioinformatic services, and I could see it first hand during an internship in a bioinformatics spin-off called Helix BioS. This company gave me the opportunity to learn from an interdisciplinary group and develop a pipeline to make metagenomic analyses and apply it to the mining industry.

I’m currently studying a MSc in Computational Biology in the UPM. With the basis I got from the Degree I’m now able to understand much more about the scope of this discipline, learning the newest technologies from a wide selection of teachers, professionals in their fields, that come with different background, from systems biology to pure informatics. I’m now working in the Ontology Engineering Group, which is part of the Department of Artificial Intelligence in the UPM. My project consists in connecting the data from big databases related to biology and bioinformatics (such as UniProt, Kegg, PDB,...) in order to create a biological knowledge system that can be accessed and queried.

Contact:

- E-mail: [ana.igmolina@alumnos.upm.es](mailto:ana.igmolina@alumnos.upm.es)
- Linkedin: <https://www.linkedin.com/in/ana-iglesias-molina/>

# Summary

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## **Personal Profile**

Biotechnologist specialized in computational biology, motivated and versatile person interested in data integration and linked data.

## **MSc in Computational Biology**

This Master has shown me all the possibilities in which new technologies can help in solving and understanding the current problems and challenges in biological sciences.