

# Andrea Álvarez

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Currently studying the Master's degree in **Computational Biology** at the Technical University of Madrid (UPM). Graduated in Biotechnology at the UPM, in the **Computational Biotechnology** itinerary, and with specialization in Bioinformatics and Programming oriented to the management of biological data. Last-year's Degree curricular internships and Thesis were carried out at the **Centro de Biotecnología y Genómica de Plantas (CBGP)**, where I used bioinformatic tools to determine the biological relevance of the expression of some family of fungal virulence of genes in the plant-fungi interaction. I developed pipelines and programmed scripts for the visualization of results, using various languages (R, bash, python...). These tools were used for a wide range of bioinformatic analyses, and the treatment of biological data and databases.

Master's degree internship is being carried out at the Medical Data Analysis Laboratory (MEDAL) in the **Centro de Tecnología Biomédica (CTB)** in Madrid, working on DISNET project, consisting on drug repositioning and disease understanding through complex networks creation and analysis. Through this internship, I would be preparing the Master thesis (TFM), which aims giving disease networks data a semantic context and generating an ontology reusing existing ones, development of semi-automated processes (SEM-DISNET), and transformation data to be integrated into the proposed ontology.

Especially interested in Biomedical Informatics and Semantic Technology fields. Being part of the research group working on DISNET is allowing me to put into practice and to develop the skills acquired throughout the career, as well as providing me the bases to the subsequent completion of the doctoral Thesis after following up the master's studies.

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## PERSONAL DATA AND CONTACT

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