

# Paula Robles López



paumurl



my linkedin



paularobleslopez

## Experience

Oct 2021 –  
June 2022

### Intern at CBGP, Spain

- Designed and implemented a HISAT2-StringTie pipeline to assembly transcriptomes from Arabidopsis RNAseq files.
- Identified differently expressed genes in Arabidopsis.
- Performed data visualization techniques.

## Education

2022 – 2023

### MSc in Data Science at Polytechnic University of Madrid, Spain

2018 – 2022

### BSc in Computational Biotechnology at Polytechnic University of Madrid, Spain

Special interest in data mining, machine learning and database management.

2021 – 2021

### MOOC: Machine Learning and Big Data for Bioinformatics at University of Granada, Spain

100 hours worth.

## Projects

2022 – 2022

### BSc thesis – Analysis of genetic determinants of turnip mosaic virus adaptation to the tolerance response in *Arabidopsis thaliana* at Polytechnic University of Madrid, Spain

Provided evidence that TuMV adaptation alters the Arabidopsis transcriptome to its benefit, resulting in enhanced viral seed transmission and exploitation of the plant's resources.

2023 – 2023

### MSc thesis about GPT models – at Polytechnic University of Madrid, Spain

ongoing

## Grants

**Collaboration fellowship with University departments 2021/2022**, Ministry of Education.

## Languages

**Spanish** (native), **English** (proficient, C1) and **German** (basic).

## Skills

- Experienced in **Python** and **Bash**.
- Comfortable with **R**, **MySQL** and **LATEX**.
- Familiar with **Git**, **Flask**, **Django** and **Docker**.
- Basic knowledge of **Java**, **HTML** and **CSS**.