



03/02/1998  
Málaga, Andalucía

I define myself as a hardworking, team-oriented, resourceful, and responsible individual. I am the type of person who is constantly seeking to learn.

## Contact



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## Languages

- Spanish (Native)
- English (C1 Cambridge)
- French (Basic)

## Courses

- Course in Cellular and Molecular Biology of Cancer (URJC) | 2021
- Course in Molecular Pathology | 2021
- Course in Animal Handling/Experimentation A, B, and C (UGR) | 2023
- Course in Descriptive Statistics and Testing Scientific Hypotheses in R (CSIC) | 2023

# Marco Apolo Pulpillo Berrocal

## Bioinformatician/Biochemist

## Work experience

### Bioinformatician PhD

**IPBLN, CSIC | December 2024 - In progress**

PhD contract in the Bioinformatics Unit of the López-Neyra Biomedicine and Parasitology Institute, with experience in RNAseq projects focused on liver cancer and utilizing programming languages such as Python or Bash in Linux environments, as well as bioinformatics tools like Rstudio or Matlab.

- Experience with NGS data analysis, including sequence quality analysis, differential expression analysis, and sequence alignment.
- Projects involve using clinical and biomedical data from real patients to extract relevant conclusions for subsequent report and article drafting.
- Utilization of bioinformatics tools such as Qiime2, Samtools, or Fastq, among others, as well as experience working with common bioinformatics libraries.
- Proficiency in performing statistical analysis.
- Employment of major Machine Learning algorithms for classification, regression, clustering, and dimensionality reduction using the Scikit Learn library.

### Bioinformatician

**IPBLN, CSIC | February 2024 - November 2024**

Predocutorial contract in the Bioinformatics Unit of the López-Neyra Biomedicine and Parasitology Institute, focused on RNAseq projects, analysis pipelines and NGS data analysis, in different programming languages such as Python or Bash in Linux.

### Cytometry and Animal Facility Technician

**IPBLN, CSIC | January 2023- January 2024**

Contract at the López-Neyra Biomedicine and Parasitology Institute, belonging to the Spanish National Research Council (CSIC), as a technical staff member in cytometry and animal facility. Experience with maintenance, experimentation, and treatment of murine and leporid models.

## Academic data

### Master Degree in Biostatistics and Bioinformatics

**European Center for Masters and Postgraduate Studies | 2022-2023**

- Master's Thesis: Exploratory Analysis of Human Hemograms and Classification of Pathologies using Machine Learning Algorithms
- Skills: Implementation of omics techniques in projects and understanding their relevance in the biomedical context. Ability to handle and integrate data, as well as experience in processing microarray and next-generation sequencing data, including RNA-seq, Chip-seq, and genome assembly.

### Master Degree in Applications of Artificial Intelligence in Healthcare

**European Center for Masters and Postgraduate Studies | 2022-2023**

- Master's Thesis: Prediction of Type 2 Diabetes Mellitus using Machine Learning.
- Competencias: Skills: Application of Artificial Intelligence models used in the diagnosis and monitoring of various diseases. Understanding of tools for implementing Artificial Intelligence methodologies in healthcare settings.

### Master Degree in Biological Sciences

**GOBIR Center | 2020-2021**

### Master Degree in Molecular Oncology

**Universidad Rey Juan Carlos (URJC) | 2020-2021**

### Degree in Biochemistry

**Universidad de Málaga (UMA) | 2016-2020**