



ABOUT ME

I hold a Bachelor's degree in Biotechnology, and I am currently pursuing a Ph.D. in Bioinformatics, where I utilize scripting and Python to analyze chemogenomic information.

CONTACT

+54 11 2453 4733

mdidiergarnham@iib.unsam.edu.ar

RELEVANT COURSES

- 2018
 - Summer Bioinformatics Workshop
 - NGS Assembly Workshop
- 2019
 - Machine Learning Workshop
- 2020
 - Applications of NGS to the study of NTDs
 - Classification Techniques in Machine Learning
- 2021
 - Bioinformatic Strategies for the Study of NTDs
 - Introduction to GNU/Linux
 - Introduction to Web Programming
 - Visualization of Three-Dimensional Protein Structures and Fundamentals of Molecular Docking
 - SARS-CoV-2: Applied Bioinformatics to Viral Evolution and Genomic Surveillance
- 2022
 - Working with Pathogen Genomes
 - Introduction to Viral Phylogeny and Data Analysis
- 2023
 - Chemoinformatics in Python
 - Practical Aspects of Drug Discovery: At the Interface of Biology, Chemistry and Pharmacology

LANGUAGES

- Spanish
- English

MERCEDES DIDIER GARNHAM

BIOINFORMATICIAN

EXPERIENCE

PHD PROJECT: MOLECULE REPOSITIONING

UNSAM

2018 - Present

Title of the PhD Thesis Project: In Silico Repositioning of Bioactive Compounds: Identification of Conserved Druggable Modules between Yeasts and Trypanosomatids

Programming in R and Python. Chemical data analysis. Clustering. PCA (Principal Component Analysis). Visualization of large datasets. Collaborative work tools (Google Drive, Github). Design tools (Canva, Inkscape). Presentation of results at scientific conferences. Human resources training.

PROJECT: GENOMICS OF SARS-COV-2 (PAIS)

UNAHUR - INTA Castelar

2021 - 2022

Bioinformatic analysis of COVID-19 sequencing data. Maintenance of large databases. Generation of Machine Learning models. Data visualization and analysis. Human resources training.

UNIVERSITY LECTURER

UNAHUR - UNSAM

2019 - Present

University Lecturer in Chemistry, Biology, Programming, and Bioinformatics. Class planning. Monitoring and evaluation of concepts. Supervision of trainee teachers.

ORGANIZATION OF SCIENTIFIC EVENTS

RSG-Argentina - WBDS

2018 - Present

Organizer of 10 scientific congresses related to bioinformatics. Participant in over 50 courses and training sessions related to biotechnology and bioinformatics. Organizer of 20 specialized courses related to bioinformatics. Website development and maintenance. Training and supervision of personnel. Fundraising and report writing.

EDUCATION

PHD IN BIOINFORMATICS

Universidad Nacional de San Martín

2021- Present

BACHELOR'S DEGREE IN BIOTECHNOLOGY

Universidad Nacional de Hurlingham

2017 - 2021

LABORATORY TECHNICIAN

2017 -2020

Universidad Nacional de Hurlingham