

JEFERYD YEPES GARCÍA

PhD Candidate | Bioinformatics

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SUMMARY

PhD student in bioinformatics at University of Fribourg/Swiss Institute of Bioinformatics, and scholarship holder of the Swiss Government Excellence Scholarship program. Currently working on the analysis of the rice straw degradation process through a metagenomics approach, and developing tools to automatize the prediction functional features from microbiome data.

EXPERIENCE

Student Researcher

SIB Swiss Institute of Bioinformatics 09/2022 Fribourg

Laboratory Analyst

Iluma Alliance 12/2021 - 08/2022 Medellín

Science Teacher

Colegio Fontán 07/2021 - 12/2021 Medellín

Science Teacher

Colegio Bethlemitas 01/2020 - 07/2021 Medellín

Science Teacher

Gimnasio FAC 01/2019 - 07/2019 Medellín

Auxiliary Professor

Universidad de Antioquia 08/2017 - 12/2018 Medellín

Laboratory Analyst and Researcher

Universidad de Antioquia 10/2015 - 10/2017 Medellín

EDUCATION

Doctor of Philosophy - PhD, Bioinformatics

Université de Fribourg - Universität Freiburg 09/2022

Master of Sciences in Engineering - MSc

Universidad de Antioquia 08/2015 - 12/2020

Specialist in Laboratory Management (ISO/IEC 17025)

Servicio Nacional de Aprendizaje (SENA) 08/2015 - 12/2020

Biotechnologist

I.U Colegio Mayor de Antioquia 08/2010 - 07/2015

LANGUAGES

Spanish Native

English Proficient

French Intermediate

PUBLICATIONS

Morphological Differentiation of *Streptomyces clavuligerus*

Exposed to Diverse Environmental Conditions and Its Relationship with Clavulanic Acid Biosynthesis Processes

07/2020

<https://doi.org/10.3390/pr8091038>

Comparative Analysis of Strategies for *De Novo* Transcriptome Assembly in Prokaryotes: *Streptomyces clavuligerus* as a Case Study

High-Throughput

10/2019

<https://doi.org/10.3390/ht8040020>

COURSES

Research Data Management and Data Management Plan

Introduction to GPU Programming for LS

First Steps in Parallelization with OpenMP

SKILLS

Python nextflow

AWARDS

Best GPA in Biotechnology

Scholarship holder (FCS)

LEVEL 1

CERTIFIED Educator

Google for Education