

Curriculum Vitae

CAROLINA L. ORTIZ NAVARRO **Undergraduate Student**

Urb. San Lorenzo Valley, Calle Roble E-15,

San Lorenzo, Puerto Rico 00754

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PERSONAL INFORMATION

Date of Birth: February 2nd, 2000

Cel. Phone: (787) 387-9698

Civil Status: single

Child/Children: none

Residential Postal Address: 114 Urb. San Lorenzo Valley,
Calle Roble E-15, San Lorenzo,
PR 00754

EDUCATION

2017 – Present

B.S. Candidate, Microbiology, Department of Natural
Sciences, University of Puerto Rico in Humacao.

2015-2018

Vocational Antonio Fernós Isern Highschool, San
Lorenzo, Puerto Rico.

HIGHER EDUCATION AND COURSE WORK EXPERIENCE RELATED TO FIELDS OF INTEREST

January 2021	Developmental Biology
August 2019	Cellular and Molecular Biology
January 2019	Genetics
August 2017	General Biology

COMPUTER SKILLS

- Python program
- PC systems: Word, Excel, Publisher
- Pymol program
- Use of databases and servers: Pubmed, NCBI, UniProtKB, Consurf Server, Protein Data Bank (PDB).

LANGUAGES

Spanish (first language); English (written and spoken)

RESEARCH EXPERIENCE

June - August 2021 Molecular Structure & Function Summer Research Program
Structural Features of RNA Binding Sites in Moonlighting Proteins
Department of Biological Sciences: Dr. Constance Jeffery and
Nicole Curtis
University of Illinois Chicago.

January - December 2019

*Phenology of the dominant vegetation at the Humacao campus
post Hurricane María*
Department of Biological Sciences: Raul A Pérez-Rivera
University of Puerto Rico in Humacao.

ACADEMIC AND PROFESSIONAL DEVELOPMENT EXPERIENCE

November – Present **Shadowing Experience at El Ryder Hospital in Humacao**

November 2021 **Certificate of First Aid Assistance during an Emergency**

August – November 2021

Supervised Internship at Pall Life Sciences Corporation

Responsibilities:

- Assisted the laboratory technicians with pharmaceutical and microbiological tests
- LAL Gel Clot – Bacterial Endotoxin test
- Pharmaceutical Testing – TOC (Total organic carbon), conductivity, pH & total moisture content
- Environmental monitoring of clean rooms
- Forward Flow test
- Bacterial Retention test
- Growth Promotion test
- Preparation of serial dilutions and pipetting
- Centrifugation
- Preparation of solutions and reagents
- GDPs and GMPs
- Use of lab equipment: autoclaves, flowstars, balance, centrifuges

June 2021

CHRES Project – High School Summer Camp Mentor (Consortium of Hybrid Resilient Energy Systems)

Activity: Engithlon Time Trial Challenge: Survival Mode

Project: How to supply electricity to Puerto Rico's municipal islands after a hurricane

Description: In the summer camp, I mentored students in topics such as design thinking, problem solving, prototyping and project management. The goal was to design a solution for one of the problems Puerto Rico faced during hurricane María: lack of electricity.

June-July 2020

Leadership Alliance Virtual Professional Development Program

Description: Participated in various workshops and activities for professional development in the field of science. These included

virtual conferences with doctors, PhDs, graduate and undergraduate students. Also participated in interview, CV, scientific writing and communication workshops.

ACADEMIC AFFILIATIONS AND RELATED VOLUNTEER EXPERIENCE (OUTREACH)

August-Present **President of American Medical Student Association (AMSA) at UPR-Humacao.**

August 2020 - May 2021

Secretary of American Medical Student Association (AMSA) at UPR-Humacao.

August 2019 – May 2021

Member of the Microbiology Students Chapter (CEM) at UPR-Humacao

August 2019 – May 2021

Member of MEDLIFE at UPR-Humacao

November 2021 **Volunteer for a Covid-19 and Vaccine Development Conference for high school students at P.E.C.E.S High School in Punta Santiago, Humacao.**

September 2021 **Volunteer in the beach cleanup of Playa Aviones in Loíza, PR.**

OTHER EXPERIENCES/SKILLS

Undergraduate mentoring, Sales Associate, Worship group leader, Imitation jewelry maker.

REFERENCES

Available upon request