

# Carola F. Gonzalez Lebron

## Contact

Urb. Palacios del Rio 1  
Calle Ingenio, Toa Alta  
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## Education

University Gardens High  
School  
High School GPA- 3.94  
Current GPA: n/a

## Profile

A pre-med first-year undergraduate student studying microbiology in University of Puerto Rico Humacao. Excellent work ethic, communication and writing skills. Has experience in bioinformatic investigations and an interest in pursuing a medical career. Student is currently under the mentorship of Dr. Amaya Miquelajauregui, a translational research in the Institute of Neurobiology of San Juan.

## Experience

*Currently*

### **AMSA Pre-Medical Scholars Program**

*August-September*

### **RETO MOTOR CICLO 8**

This is an enrichment program for undergraduate, graduate students and faculty that offers training in translational research. The program focuses on mentorship relationships, written and oral presentation skills, proposal development and clinical to community research.

*June-August 2020*

### **Telemedicine for Autism Diagnosis Plan**

A literature review to scope out the feasibility of a telemedicine program in the Centro de Autismo de Ponce for purposes of facilitating developmental disorder diagnosis. Current project is on hold until grants are applied and received.

*June 2020*

### **SynBio101 Program**

An educational program hosted by IGEN RUM in basic manufacture and engineering of synthetic biology. Students had to create an original plasmid to solve a problem of their choice. Our chosen problem was the abundance of glove and mask waste do to Covid-19 and our plasmid consisted of a BPA gene with a hardware intended to break down these materials.

*February 2020- March 23 2020*

### **Saturday Research Academy by the Scientific Caribbean Foundation**

A mentorship program hosted by the Polytechnic Institute for high school students that provides guidance with proposals, experimentation and provides resources to complete the proposal. My investigation focuses on the common miRNA between Parkinson's, Alzheimer's and Huntington's disease and their association with abnormal protein activity.

*July 2019- August 2019*

**Pre-med Program Fundación García Rinaldi**

This pre-med program included shadowing, investigations, volunteer work and academic seminars. Its main goal is to educate students about a career in medicine and what it requires to become a health professional.

*March 2019*

**Regional Science Fair**

The regional science fair evaluated investigations that would potentially compete in ISEF international competitions. With my epidemiological study I was awarded first place in the bioinformatics category.

*November 2018- February 2019*

**Epidemiological Research**

My epidemiological investigation was a comparative study on the prevalence on *V. vulnificus* and *V. parahaemolyticus* in the USA and South American countries.

*June 2018*

**Ignite Biotech Summer Program**

In the program we employed laboratory techniques to produce erythropoietin. The mechanism of research funding, clinical trials and patents was also a core focus of the program.

*March 2018*

**Nanotechnology Training**

Research and education in Environmental Nanotechnology was provided by the UPRRP Center for Innovation.

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**Awards**

**1st** place in San Juan Regional Science Fair Bioinformatics Category

**2nd** place in School Science Fair Bioinformatics Category

**2nd** place in Ignite Biotechnology Research Presentation

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## Work and Volunteer Experience

*July-Auguste 2020*

IRB Certification in Good Clinical Practice, Information Privacy and Security, Social/Behavioral Research and Biosafety Training

*July-August 2019*

Volunteer work in American Cancer Association, Hope Lodge

*June 2018*

Children's summer camp volunteer, Museo de Artes Puertorriqueñas

*June 2019*

Secretary and front desk receptionist to accounting office

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## References

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