

Jetsimary García Justiniano

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Objective

To acquire experience in the biomedical research field and, ultimately, contribute to it in a meaningful and impactful way.

Education

- Ponce Health Sciences University** **July 2016 - Currently**
Ph.D. in Biomedical Sciences
RISE Trainee
Expected Graduation Date: May 2021
GPA: 3.55
- University of Puerto Rico, Mayagüez Campus** **August 2014 - May 2015**
BS: Biology
GPA: 3.25
- University of Puerto Rico, Mayagüez Campus** **August 2009 - May 2014**
BS: Industrial Microbiology
GPA: 3.23

Work Experience

- Ponce Health Sciences University, AIDS Research Center** **June 2015 - September 2016**
Bioinformatics Assistant
Main Responsibilities: Analyzing next generation sequencing data generated by Illumina MiSeq, producing graphs and images for research publications

Graduate Research Experiences

- Vanessa Rivera-Amill Laboratory** **August 2014 - Currently**
Ph.D. Thesis Laboratory
Thesis project: Phylogeny and Pathogenesis of the Chikungunya Virus in Puerto Rico

Undergraduate Research Experiences

- Caribbean Genome Center, UPRM** **August 2014 - May 2015**
Main Responsibilities: Managing and preparing *Diadema antillarum* DNA libraries for sequencing on Ion PGM™ Sequencer
- Biology Department, UPRM** **January 2014 - May 2014**
Main Responsibilities: Improving laboratories activities and helping the professor and TA with the immunology course laboratory.

Conferences and Presentations

- 6th Pan-American Dengue Research Network Meeting, Galveston TX** **April 2018**
Poster Presentation
Title: "Novel Molecular Signatures of Chikungunya Virus in Puerto Rico"
- PHSU Annual Scientific Conference 2017, Ponce PR** **May 2017**
Oral Presentation
Title: "Metabolomic analysis of astrocytes transfected with HIV-1 gp120"
- SNIP Conference 2017, Philadelphia PA** **April 2017**
ECITA Travel Award
Poster Presentation

Title: "Metabolomic analysis of astrocytes transfected with HIV-1 gp120"

Volunteer Work Experiences

Communities Organized for the Prevention of Arboviruses

June 2018 - Currently

Ponce, PR

Interviewer

Main Responsibilities: Recruit participants at their homes, explain informed consent, perform standardized interviews

Workshops and Trainings

QC Laboratory

February 2018

Ponce, PR

Provided by: Trecon Inc. and Biobusiness Research Institute

5th Annual Metabolomics Workshop

July 2017

Birmingham, AL

Provided by: Targeted Metabolomics & Proteomics Laboratory

University of Alabama at Birmingham

An Introduction to Next Generation Sequencing a Hands-on Workshop for Students, Faculty and Researchers at Minority Serving Institutions

January 2017

San Juan, PR

Provided by: Pittsburgh Supercomputing Center

Operation of Ion PGM™ Sequencer and OneTouch 2 System

May 2015

Mayagüez, PR

Provided by: Thermo Fisher Scientific

Research Interests

Phylogeny

Human Microbiome

Bioinformatics

Immunology

Relevant Undergraduate and Graduate Courses

Cellular and Molecular Biology of Cancer

Immunology

Cellular Physiology

Medical Biochemistry

Biostatistics

Organizations

Graduate Student Association in Biomedical Sciences (2016-Present)

SNIP: Society on Neuroimmune Pharmacology (2016-Present)

IEEE: Engineering in Medicine and Biology Society (2012-2013)

SEMI: Student Society for Industrial Microbiology (2010)

Other Skills

Basic knowledge in Python, R, Qiime 1, UNIX and other computational tools

Knowledge in digital photography and photo editing tools

Knowledge in Microsoft Office Tools

Languages

Spanish (Native Language) - Fluent speaker and writer

English - Fluent speaker and writer

Other Interests

Photography, Computers, Art

References

Dr. Vanessa Rivera-Amill

Email: vrivera@psm.edu

Dr. Yasuhiro Yamamura

Email: yyamamura@psm.edu