

PRISCILA M. RODRÍGUEZ GARCÍA

(787) 341-8972 | rodriguezgarcia.2@osu.edu | priscila-rodriguez.com

EDUCATION

- Ph.D. Molecular Genetics** 2021
The Ohio State University (OSU) [PhD Candidate]
- B.S. Industrial Biotechnology** 2012
University of Puerto Rico at Mayagüez (UPRM)
-

TEACHING EXPERIENCE

- Instructor in the Local Genome Diversity Studies ([LGDS](#))** 2013 – 2014
UPRM
Developed course structure, organized and supervised sample collection trips and weekly lab practicum that included DNA extraction and PCR.
- Teaching Assistant** 2012 – 2013
Genetics Laboratory at UPRM
Collaborated in course schedule coordination and tests preparation, guided laboratory conference and practice and graded reports.
-

RESEARCH EXPERIENCE

- Identification of RIN4 motifs necessary for its role in the immune system of *Arabidopsis thaliana*** 2017 – present
OSU
Using RIN4 homologs to identify protein motifs necessary for the different roles of RIN4 in plant immunity against bacterial pathogens.
- Association between diabetic nephropathy and *cdnp1* polymorphisms in Puerto Ricans** 2014 – 2017
UPRM
Developed a new case-control project. Collaborated with two independent medical doctors and one clinic to bring in more than 100 samples. Established the methodology for ELISA and genotyping experiments.
- Identification of mtDNA haplogroups from Dominican Republic** 2011 – 2012
UPRM
Extracted DNA from saliva, genotyped the control region in the mtDNA to identify haplogroups based on mutations.
-

PROGRAMS

- Yale Ciencia Academy ([YCA](#))** 2017
Funded by grant 1R25GM114000 from NIH/NIGMS
Program focused on enhancing the training and retention of graduate students from underrepresented backgrounds in science.
-

PRESENTATIONS

- SACNAS 2018** 2018

San Antonio, Texas

Poster presentation: Identifying RIN4 amino acid motifs necessary for its function in plant immunity

ACMG Annual Clinical Genetics Meeting

2016

Tampa, Florida

[Poster](#) presentation: Association between diabetic nephropathy and *cdnp1* polymorphisms in Puerto Ricans

39th Senior Technical Meeting ACS Puerto Rico Local Section

2015

Ponce, Puerto Rico

Oral presentation: Association between *cdnp1* polymorphisms and diabetic nephropathy in Puerto Ricans

SMBE 2015

2015

Vienna, Austria

Poster presentation: Association between diabetic nephropathy and *cdnp1* polymorphisms in Puerto Ricans

WORKSHOPS

AAAS Catalyzing Advocacy in Science and Engineering ([CASE](#)) workshop

2018

Washington D.C., US

Students learn about Congress, the federal budget, appropriations processes, policy-making and communication. Afterwards, the students meet with their elected Members of Congress, putting into practice what they have learned.

PEER-REVIEWED PUBLICATIONS

[Leung, W., et al. \(2015\)](#). *Drosophila muller f elements maintain a distinct set of genomic properties over 40 million years of evolution*. G3: Genes|Genomes|Genetics, 5(5), 719-740. PMID: PMC4426361

LANGUAGES

Spanish – Native proficiency in speaking, listening, reading, and writing

English – Near native/high proficiency in speaking, listening, reading, and writing

AWARDS

[CMBP Fellowship](#)

2016 – 2019

The Ohio State University

Training program for top-tier graduate students researching human health, physiology, and disease.

Graduate Enrichment Fellowship

2016 – 2017

The Ohio State University

For incoming students who will bring diversity to the Graduate School.

Science, Mathematics, & Research Transformation Scholarship

2008 – 2011

University of Puerto Rico at Mayagüez

Merit-based award for students of the STEM areas.