

Carlos S. Morales Rivera
Concentración: Biología Celular Molecular
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Universidad de Puerto Rico
Recinto de Río Piedras

Education

- **MSc.Biology Graduate Student** Universidad de Puerto Rico
- **Universidad de Puerto Rico**, BSc. Cellular Molecular Biology 3.5 GPA
- **High School:** American School, Bayamón, P.R.

Extracurricular Activities

Undergraduate Investigations

- Center for Excellence & Quarantine for Invasive Species – Botanical Garden UPRRP: Old-World Bollworm Project – February 2017 - present
 - *Optimization of rearing practices for *Helicoverpa* spp. in quarantine facilities*
 - *Molecular identification of *Helicoverpa* specimens obtained in Santa Isabel & Guánica by Real Time PCR*
- Neurobiology and Developmental Biology laboratory – UPRRP: Identifying sex-determining genes in *Eleutherodactylus coqui* – March 2016 to January 2017

Presentations

- February 2019 - Emergent Researchers National (ERN) Conference:
Oral Presentation – Genetic diversity of *Helicoverpa zea* across Puerto Rico
- November 2018 – SOPCA Poster Presentation
Poster Presentation – Optimizing Rearing Conditions for *Helicoverpa* spp. in Quarantine facilities

Workshops and Seminars

- October 26, 2018 - 17th PR-LSAMP Best Practice Conference on Teaching and Learning – Pontifical Catholic University of Puerto Rico
- October 2, 2018 Genome Wide Characterization of Chromatin Accessibility Workshop Day 3
- September 27, 2018 Genome Wide Characterization of Chromatin Accessibility Workshop Day 2
- September 26, 2018 Genome Wide Characterization of Chromatin Accessibility Workshop Day 1
- August 2018 Data Carpentry Genomics Workshop Puerto Rico
- August 15 2018 – CPR workshop
- July 30th, 2018- August 10th 2018 – Graduate Student Introductory Workshops

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Awards and Student Associations

- August 14, 2018 **Puerto Rico- Louis Stokes Alliance for Minority Participation Bridge to Doctorate Fellowship**
- Fall 2015 – **American Society for Biochemistry and Molecular Biology member**
- January 2013 – **The National Society of Collegiate Scholars member**

Abilities

- Fluent in both English and Spanish
- Proficiency in Microsoft Office Word, PowerPoint, Excel, R Studio, R (GNU S) AutoCAD, Adobe Illustrator
- Architectural Drafting
- Free-hand & Technical Drawing Proficiency
- Musical Proficiency in Guitar & Piano

Goals

- Pursue a PhD degree in Biology focusing on Bioinformatics and Biotechnology
- Participate in and lead innovating research with a multidisciplinary focus
 - Combine Biology and Computer Science to understand complex problems in research
- Participate in Internships and Workshops to acquire valuable experiences that can be applied to my research interests.
- Collaborate with professionals and academics in diverse fields such as Natural Sciences, Social Sciences and in Humanities to tackle upcoming issues using a trans-disciplinary perspective.
- Design viable solutions for the agricultural sustainability in Puerto Rico that incorporate novel biotechnology and improve the quality of life.
- Lead a laboratory that seeks to advance knowledge in Biology challenging conventional notions for the pursuit of science.