

CARLOS F. RIVERA-LÓPEZ

Department of Molecular and Cellular Biology
Harvard University
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EDUCATION

Harvard University Graduate Student; Molecules, Cells, and Organisms PhD program	2020 – Present Cambridge, MA
University of Puerto Rico, Mayagüez Campus B.Sc. in Biological Sciences	2015 – 2020 Mayagüez, PR
José Rojas Cortés High School Level: Superior	2012 – 2015 Orocovis, PR

HONORS AND AWARDS

MCO Training Grant Harvard University, Cambridge Campus	2020 – present
Charles Darwin Department of Biology Award, Commencement Ceremony University of Puerto Rico, Mayagüez Campus	2020
NSF Graduate Research fellow National Science Foundation Graduate Research Fellowship Program (NSF GRFP)	2020
Research and Creation Grant (\$1,500) Endowment Fund of the University of Puerto Rico	2019
ABRCMS 2018 Outstanding Presentation Award recipient (\$300) Annual Biomedical Research Conference for Minority Students (ABRCMS), Indianapolis, IN	2018
NIH Maximizing Access to Research Careers (MARC) U-STAR fellow National Institute of General Medical Sciences and University of Puerto Rico, Mayagüez Campus	2018 – 2020
2018 STEM Research and Career Symposium Travel Award Emory University, Atlanta, GA	2018
Summer Research Early Identification Program (SR-EIP) scholar Leadership Alliance	2018
Industrial Biotechnology Role Model Award recipient University of Puerto Rico, Mayagüez Campus	2017, 2016
HHMI Exceptional Research Opportunities Program (EXROP) scholar Howard Hughes Medical Institute, Chevy Chase, MD	2017
6th Undergraduate Biology Research Symposium Best Research Presentation Award recipient University of Puerto Rico, Mayagüez Campus	2016
Dean's and Honors Lists University of Puerto Rico, Mayagüez Campus	2016 – 2020
65th Intel International Science and Engineering Fair (Intel-ISEF) finalist Society for Science and the Public	2014

RESEARCH EXPERIENCE

Identification of Antibodies for Magnetic Activated Cell Sorting of Primordial Germ Cells in Zebra Finch (<i>Taeniopygia guttata</i>) The Rockefeller University <i>Advisor: Dr. Erich Jarvis</i>	June 2019 - Aug 2019 New York City, NY
Uncovering Subcellular Localization and Substrate Specificity of OGT TPR truncations and Single TPR Deletions	May 2018 - Aug 2018 Cambridge, MA

Harvard University, Main Campus

Advisor: Dr. Christina Woo

Huracanes y bosques en Puerto Rico: ¿Qué sabemos y qué nos falta por saber?

Interdisciplinary Center for Coastal Studies, University of Puerto Rico, Mayagüez Campus

Advisor: Dr. Tania López-Marrero

Jan 2018 - May 2018

Mayagüez, PR

Molecular Study of the Expression of the PAX6 gene on the Hispaniolan Solenodon

University of Puerto Rico, Mayagüez Campus

Advisor: Dr. Juan Martínez-Cruzado

Aug 2017 - Dec 2017

Mayagüez, PR

Characterization and Efforts Towards Trapping a Thiyl Radical with RlmN I309W

The Pennsylvania State University, University Campus

Advisor: Dr. Squire Booker, HHMI

May 2017 – Aug 2017

State College, PA

Porto Rico 1930 Georeferenced: A Coastal Photomosaic

Interdisciplinary Center for Coastal Studies, University of Puerto Rico, Mayagüez Campus

Advisor: Dr. Tania López-Marrero

Jan 2016 - May 2017

Mayagüez, PR

Characterization of the Microchromosome 27 of the Puerto Rican Parrot (*Amazona vittata*)

University of Puerto Rico, Mayagüez Campus

Advisor: Dr. Juan Martínez-Cruzado

Aug 2015 - Dec 2017

Mayagüez, PR

PUBLICATIONS

Article in Peer-Reviewed Journal

López-Marrero, T.; Heartsill-Scalley, T.; [Rivera-López, C.F.](#); Escalera-García, I.A.; Echevarría-Morales, M. 2019. *Broadening our understanding of hurricanes and forests on the caribbean island of Puerto Rico: Where and what should we study now?* *Forests* 10: 710.

Other Publications

López-Marrero, T.; Lorenzo-Pérez, M.A.; [Rivera-López, C.F.](#); González-Toro, A.; Rivera-Santiago, D.J.; Nieves-Crespo, H.I.; Hernández-González, P.G. 2017. *Porto Rico 1930 Georeferenced: A Coastal Mosaic*. Interdisciplinary Center for Coastal Studies. Mayagüez, PR: University of Puerto Rico, Mayagüez Campus. 15 p.

Escalera-García, I.A.; [Rivera-López, C.F.](#) 2017. *Mortalidad de mangles en Cabo Rojo, Puerto Rico*. Interdisciplinary Center for Coastal Studies. Mayagüez, PR: University of Puerto Rico, Mayagüez Campus. 9 p.

ORAL PRESENTATIONS

Characterization of the Microchromosome 27 of the Puerto Rican parrot (*Amazona vittata*)

2018 STEM Research and Career Symposium; Emory University (Atlanta, Georgia)

Oct 1st, 2018

Huracanes y bosques en Puerto Rico: ¿Qué sabemos y qué nos falta por saber?

Institute of Caribbean Studies; University of Puerto Rico, Río Piedras Campus (Puerto Rico)

March 19th, 2018

Huracanes y bosques en Puerto Rico: ¿Qué sabemos y qué nos falta por saber?

Interdisciplinary Center for Coastal Studies and Center for Hemispherical Cooperation in Research and Education in Engineering and Applied Sciences; University of Puerto Rico, Mayagüez Campus (Puerto Rico)

March 15th, 2018

Characterization and Efforts Towards Trapping a Thiyl Radical with RlmN I309W

REU 2017 Symposium at PSU; The Pennsylvania State University (State College, Pennsylvania)

Aug 3rd, 2017

Characterization of the Microchromosome 27 of the Puerto Rican parrot (*Amazona vittata*)

6th Undergraduate Biology Research Symposium; University of Puerto Rico, Mayagüez Campus (Puerto Rico)

April 30th, 2016

POSTER PRESENTATIONS

Identification of Antibodies for Magnetic Activated Cell Sorting of Primordial Germ Cells in Zebra Finch (*Taeniopygia guttata*)

A Celebration to Discovery 2019 Symposium; The Rockefeller University (New York City, New York)

Aug 8th, 2019

Characterization of the Microchromosome 27 of the Puerto Rican parrot (<i>Amazona vittata</i>) Annual Biomedical Research Conference for Minority Students (ABRCMS); Indiana Convention Center (Indianapolis, Indiana)	Nov 14 th –16 th , 2018
Uncovering Subcellular Localization and Substrate Specificity of the TPR domain of O-GlcNAc Transferase Leadership Alliance National Symposium; Connecticut Convention Center (Hartford, Connecticut)	June 28 th , 2018
Chromosomal translocations during the evolution of the Puerto Rican parrot (<i>Amazona vittata</i>) 2017 Society for Molecular Biology and Evolution (SMBE) (Austin, Texas)	July 2 nd –6 th , 2017
Characterization and Efforts Towards Trapping a Thiyl Radical with RlmN I309W REU 2017 Symposium at PSU; The Pennsylvania State University (State College, Pennsylvania)	Aug 3 rd , 2017
The extract of Moringa oleifera tree leaves as an inhibitor of colorectal cancer cells Intel International Science and Engineering Fair (ISEF); Los Angeles Convention Center (Los Angeles, California)	May 10 th –17 th , 2014

PROFESSIONAL ENRICHMENT

Society for Developmental Biology 80th Annual Meeting Society for Developmental Biology Hosted virtually	July 2021 Virtually from MA
International Society for Regeneration Biology 2021 Meeting International Society for Regeneration Biology Hosted virtually	April 2021 Virtually from MA
Virtual GSAS Summer Institute Harvard Integrated Life Sciences Harvard University, Cambridge Campus	August 2020 Virtual from MA
The 2019 Bird Song and Animal Communication Annual Meeting Host: The Jarvis Lab Cary Institute & Center for Field Research in Ethology and Ecology	June 2019 Millbrook, NY
2019 Experimental Biology Conference American Society for Biochemistry and Molecular Biology (ASBMB) Orange County Convention Center	April 2019 Orlando, FL
Ornithology: Comprehensive Bird Biology Bird Academy at The Cornell Lab The Lab of Ornithology, Cornell University	Nov 2018 - July 2019 Mayagüez, PR
2018 Annual Biomedical Research Conference for Minority Students (ABRCMS) National Institute of General Medical Sciences and American Society for Microbiology Indianapolis Convention Center	Nov 2018 Indianapolis, IN
2018 STEM Research and Career Symposium Laney Graduate School Emory University	Oct 2018 Atlanta, GA
Research Integrity Training Seminar FAS Research Administration Services Harvard University, Main Campus	June 2018 Cambridge, MA
USDA-HSI DNA Barcoding Workshop Lecturers: Dr. Dimuth Siritunga and Dr. Benjamin Van Ee University of Puerto Rico, Mayagüez Campus	Feb 2018 Mayagüez, PR
Introduction to the Institutional Review Board (IRB) Seminar Lecturer: Dr. Rafael Boglio-Martínez University of Puerto Rico, Mayagüez Campus	Sep 2017 Mayagüez, PR

COMMUNITY AND ACADEMIC OUTREACH

2021 Summer Research Opportunities at Harvard University (SROH) Harvard University, Cambridge Campus	June – July 2021 Virtually from MA
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Graduate Student Panelist at the 2021 National Collegiate Research Conference (NCRC) Harvard University, Cambridge Campus	January 2021 Virtually from MA
Open House at the Interdisciplinary Center for Coastal Studies University of Puerto Rico, Mayagüez Campus	April 2019 Mayagüez, Puerto Rico
MARC Service Learning in Research and Mentoring Program University of Puerto Rico, Mayagüez Campus	June 2018 – May 2020 Mayagüez, PR
Youth Day at Penn State The Pennsylvania State University, University Campus (Old Main Lawn)	July 2017 State College, PA
National Society for Professional Engineers (NSPE) Engineering Challenge Program University of Puerto Rico, Mayagüez Campus	April 2017 Mayagüez, PR
Math Tutoring for Freshman Students University of Puerto Rico, Mayagüez Campus	Aug 2016 – May 2017 Mayagüez, PR

EXTRACURRICULAR ORGANIZATIONS

GSAS Harvard Puerto Rican Student Association Harvard University, Cambridge Campus	Sept 2020 – July 2021 Cambridge, MA
Biology Honor Society (βββ) – Zeta Alpha Chapter University of Puerto Rico, Mayagüez Campus	Aug 2016 – May 2020 Mayagüez, PR
The National Society of Leadership and Success – Sigma Alpha Pi University of Puerto Rico, Mayagüez Campus	Aug 2016 – May 2020 Mayagüez, PR
Family, Career and Community Leaders of America José Rojas Cortés High School	Oct 2014 - May 2015 Orocovis, PR

WORK EXPERIENCE

Research Assistant Interdisciplinary Center for Coastal Studies	2016 – 2018 Mayagüez, PR
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REFERENCES

References are available upon request.