

Anthony Hernández Vázquez

Current Status

B.S. Student
Department of Biology, UPR-RP

Email anthony.hernandez9@upr.edu

Education

2015-present UPR-Río Piedras
2020 BS Biology (expected)



Research Interests

The brain works in interesting ways and how neurological disorders impair its function is even more intriguing. I plan to pursue a PhD in Molecular Neuroscience working with neurodegenerative diseases and developmental disorders. I'm particularly interested in diseases such as ALS, Alzheimer's, Autism, Huntington's and Parkinson's. Studying the molecular basis of these diseases might provide substantial evidence to help develop cures.

Research Experience

Electroretinogram measurements of a mutant fly line (*Vam*) that presents neurodegeneration in the retina

Undergraduate Research Student

Advisor: Björn Brembs, Ph.D.

June 2018-July 2018

Cellular and Molecular Basis of Memory Formation in the Molluscan Model *Lymnaea stagnalis*

Undergraduate Research Student

Advisor: Ildiko Kemenes, Ph.D., George Kemenes

July 2017-August 2017

Localization of Allatotropin, Adipokinetic Hormone, Caudodorsal Cell Hormone and PP4/Orcokinin Immunoreactivity in the Central Nervous System of *Biomphalaria alexandrina*, an Intermediate Host for Schistosomiasis

Undergraduate Research Student

Advisor: Roger Croll, Ph.D.

June 2016-July 2016

Characterization of Neuropeptides and Neural Control of Behaviors in *Biomphalaria glabrata*, an Invertebrate Intermediate Host for Schistosomiasis

Undergraduate Research Student

Advisor: Mark W. Miller, Ph.D.

June 2015 – Present

Other Research Activities

National Neuroscience Student Association

September 2016-May 2017

University of Puerto Rico, Río Piedras Campus, San Juan, PR

Huntington Foundation of Puerto Rico

July 2016-December 2016

University of Puerto Rico, Medical Sciences Campus, San Juan, PR

Honors

NIGMS Minority Access to Research Careers (MARC), Supported Undergraduate Student

June 2018 – Present

NSF Partnerships for International Research and Education (PIRE), Supported
Undergraduate Student February 2015- August 2018

Conferences, Seminars, Courses and Workshops

2018, Federation of European Neuroscience Societies 2018, Citycube, Berlin, Germany.

2018, Symposium for International Research and Innovations in Schistosomiasis 2018,
George Washington University, Washington, DC.

2017, Society for Neuroscience Annual Meeting 2017, Walter E. Washington Convention
Center, Washington, Maryland.

2016, Society for Neuroscience Annual Meeting 2016, San Diego Convention Center, San
Diego, CA.