

# LUIS ANTONIO HADDOCK III SOTO

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## curriculum vitae

### EDUCATION

**PhD Student, Cell and Molecular Biology**  
**Minor: Quantitative Biology**  
**University of Wisconsin, Madison**

Madison, WI  
August 2019-Present

**M.S., Molecular Microbiology in Bioinformatics**  
**Interamerican University of Puerto Rico, Metropolitan Campus**  
GPA: 4.00

San Juan, PR  
2017-2019

**B.Sc., Cell and Molecular Biology**  
**University of Puerto Rico, Rio Piedras Campus**  
Major GPA: 3.55

San Juan, PR  
2010-2016

### HONORS AND RECOGNITIONS

Genomic Sciences Training Program (Fellowship)  
Yale Ciencia Academy Fellow (NIH/NIGMS #1R25GM114000)  
SciMed Fellowship- UW Madison  
LSAMP (PR) grant and Travel Award (#1400868)  
2016 Faculty Graduates – Outstanding Graduate  
Dean's Honor List (Undergraduate)

May 2020 - Present  
January 2020 - Present  
August 2019 - Present  
August 2014 – July 2016  
May 2016  
Spring 2016, Fall 2015,  
Spring 2015, Spring 2013  
Fall 2012

### RESEARCH EXPERIENCE

-AIDS Vaccine Research Laboratories (AVRL) – UW Madison

March 2020 – Present

**Research Assistant (Graduate Student)**

Principal Investigator: Dr. Thomas C. Friedrich

*Understanding transmission bottlenecks of Influenza A viruses in mammals.*

-Institute of Neurobiology - University of Puerto Rico, Medical Sciences Campus

June 2017 – August 2019

**Research Technician**

Principal Investigator: Dr. Andrew M. Seeds

*Application of mechanical stimuli targeting different antennal sensory neuron populations for eliciting grooming behavior in Drosophila. Research included the application of Machine Learning algorithms for behavior tracking.*

-University of Puerto Rico, Rio Piedras Campus

January 2014 – July 2016

**Undergraduate Researcher – (Biological Sciences Research Building, Julio García Díaz)** under PR-LSAMP

Principal Investigator: Dr. Carlos I González

*Determining the functional role of Upf2 phosphorylation in translation termination in yeast.*

### SUMMER INTERNSHIPS

**HHMI - Janelia Research Campus, Dr. Marta Zlatic**

Ashburn, VA

Janelia Undergraduate Scholar

Summer 2018

*Optogenetic activation of Drosophila neuronal components to generate a Neuron-Behavior Map*

**Institute for Functional Nanomaterials**

San Juan, PR

Nanotechnology Research Internship

June 2009

*Development of nanoscale porous semiconductor films used for solar cells as energy sources in space.*

### PROFESSIONAL MEMBERSHIPS

American Society for Virology (ASV) -Since 2020

American Society for Microbiology (ASM) – Since 2019

American Association for the Advancement of Science (AAAS) – Since 2018

Neuroboricuas, Institute of Neurobiology – 2018 and 2019

American Society for Biochemistry and Molecular Biology (ASBMB) – Since 2014

## SCIENTIFIC PRESENTATIONS

### *Generation of a Neuron-Behavior Map in Drosophila Larvae*

- Janelia Research Campus JUS Presentation, Ashburn, VA [poster presentation] August 2018
- 2<sup>nd</sup> Puerto Rico *Drosophila* Neurobiology Meeting, San Juan, PR, [poster presentation] August 2018

### *Determining the Functional Role of Upf2 Phosphorylation in Translation Termination in yeast.*

- ASBMB Annual Meeting at Experimental Biology 2016, San Diego, CA. [poster presentation] April 2016
- 36<sup>th</sup> Puerto Rico Interdisciplinary Scientific Meeting and 51<sup>st</sup> Junior Technical Meeting, University of Puerto Rico, Rio Piedras Campus [oral presentation] March 2016
- 12<sup>th</sup> Bio Sciences week at the University of Puerto Rico, Rio Piedras Campus [poster presentation] September 2015
- 35<sup>th</sup> Puerto Rico Interdisciplinary Scientific Meeting and 50<sup>th</sup> Junior Technical Meeting, University of Puerto Rico, Rio Piedras Campus [oral presentation] March 2015
- 65<sup>th</sup> American Medical Student Association Annual Convention, Washington, DC [poster presentation] February 2015
- 1<sup>st</sup> American Society for Biochemistry and Molecular Biology, University of Puerto Rico, Rio Piedras Campus Meeting [poster presentation] November 2014

### Targeting the Young Scientist Community through their Interest in Biochemistry and Molecular Biology

- 2016 ASBMB Annual Meeting at Experimental Biology 2016, San Diego, CA. April 2016 [poster presentation]

## TUTORING AND OUTREACH EXPERIENCE

Institute of Neurobiology – University of Puerto Rico, Medical Sciences Campus

- **Science Outreach for pre-college students**

August 2017 – June 2019

University of Puerto Rico, Rio Piedras Campus

- **Molecular Genetics Tutor**, (BIOL 5398)
- **Biochemistry Tutor**, (BIOL 4545)

January 2016 – May 2016

January 2015 – December 2015

## OTHER EXPERIENCES

### **University of Wisconsin-Madison**

Biosciences opportunities preview program (BOP) participant

Madison, WI -September 2016

### **American Association for the Advancement of Science (AAAS)**

Science Workshop for Kids, AAAS Caribbean Division - Meeting

San Juan, PR-September 2016

### **American Society for Biochemistry and Molecular Biology, UPR**

Chapter Secretary

San Juan, PR. 2015 - 2016

### **Georgia Institute of Technology**

FOCUS program participant for underrepresented groups in STEM

Atlanta, GA-January 2015/2016

## LANGUAGES

Fully bilingual in Spanish and English; Basic ASL (Spanish)