

# Yumary Vasquez

## *Curriculum vitae*

Ph.D. Candidate  
yvasquez8@ucmerced.edu

---

### **EDUCATION**

University of California Merced, Merced, CA

- Expected Graduation: May 2024
- Quantitative and Systems Biology: School of Natural Sciences
- Life and Environmental Science
- Mentor: Gordon Bennett, Ph.D.

California State University San Marcos, San Marcos, CA

2018

- B.S., Biotechnology
- Minor in Computer Science
- Cum Laude
- Mentor: Arun Sethuraman, Ph.D.

---

### **PROFESSIONAL RESEARCH**

### **EXPERIENCE**

**Graduate Student - Bennett Lab** / University of California, Merced

March 2019 - current, Quantitative and Systems Biology

**Research Assistant - Sethuraman Lab** / California State University San Marcos

September 2016 - May 2018, Department of Biological Sciences

**Summer Scholars Program - Research Assistant**/ California State University San Marcos

June 2017 - August 2017, College of Science and Mathematics at CSUSM

**Research Assistant - Jameson Lab**/ California State University San Marcos

December 2014 - December 2015, Department of Biological Sciences

**Summer Scholars Program - Research Assistant**/ California State University San Marcos

June 2015 - August 2015, College of Science and Mathematics at CSUSM

### **HONORS/AWARDS**

- **The Ford Foundation Predoctoral Fellowship Honorable Mention** 2020
- **NSF-NRT Training Program in Intelligent Adaptive Systems Fellowship,**  
U. of California, Merced 2019
- **NSF-NRT Interdisciplinary Computational Graduate Education Fellow,** School of Natural Sciences,  
U. of California, Merced 2019
- **Cum Laude,** College of Science and Mathematics, California State University San Marcos 2018
- **Eugene V. Cota-Robles Fellowship (declined),** U. of California, Los Angeles 2018
- **Biotechnology Outstanding Faculty Student Collaboration Award,** College of Science and Mathematics  
California State University San Marcos 2018
- **Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship,** Office for Training, Research and  
Education in the Sciences (OTRES) 2017

## **PUBLICATIONS**

Waneka, G., Vasquez, Y.M., Bennett, G.M. and Sloan, D.B., 2020. Mutational pressure drives differential genome conservation in two bacterial endosymbionts of sap feeding insects. *Genome Biology and Evolution*.

Vansant, H., \*Vasquez, Y.M., Obrycki J.J., Sethuraman A. (2019), Coccinellid host morphology dictates diversity of the parasitoid wasp *Dinocampus coccinellae*. *Biological Control*. <https://doi.org/10.1016/j.biocontrol.2019.02.015>

Sethuraman, A., Janzen, F. J., Rubio, M. A., Vasquez, Y. and Obrycki, J. J. (2017), Demographic histories of three predatory lady beetles reveal complex patterns of diversity and population size change in the United States. *Insect Science*. doi:10.1111/1744-7917.12481

\* = first authorship papers

## **CONFERENCES/POSTERS**

**Student Poster Showcase / The California State University San Marcos**

December 2017, San Marcos

- Vasquez, Y., Vansant, H. Sethuraman, A. (2017) “Morphological and Genetic Diversity of the Parasitoid Wasp (*Dinocampus coccinellae*) in the United States”

**UCLA Grad Fair and CSU Symposium / University of California, Los Angeles**

August 2017, Los Angeles

- Vasquez, Y., Vansant, H. Sethuraman, A. (2017) “Morphological and Genetic Diversity of the Parasitoid Wasp (*Dinocampus coccinellae*) in the United States”

**Summer Research Poster Showcase / The California State University San Marcos**

August 2017, San Marcos

- Vasquez, Y., Vansant, H. Sethuraman, A. (2017) “Morphological and Genetic Diversity of the Parasitoid Wasp (*Dinocampus coccinellae*) in the United States”

**CSU Program for Education & Research in Biotechnology Symposium / The California State University**

January 2017, Santa Clara

- Vasquez, Y., Rubio, M., Sethuraman, A. (2016) “Population Genomics of Predatory Lady in the United States”

**Student Poster Showcase / The California State University San Marcos**

December 2016, San Marcos

- Vasquez, Y., Rubio, M., Sethuraman, A. (2016) “Population Genomics of Predatory Lady in the United States”

**Summer Research Poster Showcase / The California State University San Marcos**

August 2015, San Marcos

- Vasquez, Y., Park, C., Cheung, K., Barba, C., Mendoza, G., Jameson, J., (2016) “Identifying how inflammation impacts the intestinal immune system in obesity”

## **SERVICE**

**RadioBio /U. of California, Merced**

President: May 2021 - current

Vice President: May 2020 - May 2021

Treasurer: May 2019 - May 2020

Member: September 2018 - May 2019

**Quantitative and Systems Biology Representative: Graduate Student Association/ U. of California, Merced**

March 2020 - May 2021

**Quantitative and Systems Biology: Diversity, Equity and Inclusion committee/ U. of California, Merced**

September 2020 - current

**Reflecting on Anti-Racist Pedagogy Virtual Dialogue Series: Participant / U. of California, Merced**

September 2020 - December 2020

**Data Carpentry Workshop: “Helper”/ U. of California, Merced**

August 2020

**Lead STEM Ambassador/ California State University San Marcos**

[yvasquez8@ucmerced.edu](mailto:yvasquez8@ucmerced.edu)

Page 2

September 2014 - May 2018, STEM Center

**Louis Stokes Alliance for Minority Participant/** California State University San Marcos

September 2015 - May 2018, Office for Training, Research and Education in the Sciences

**College of Science and Mathematics Representative /** California State University San Marcos

May 2016 - May 2017, Associated Students Inc

**Learning Assistant /** California State University San Marcos

September 2014 - December 2014, September 2015 - December 2015, STEM Center

## **TEACHING**

**Undergraduate Research Opportunities Center (UROC) Summer Grad Mentor/** U. of California, Merced  
Summer 2021

**Evolution Lab/** U. of California, Merced

Summer 2019, Fall 2020, Spring 2021, Fall 2021

**Intro to Molecular Biology Lab/** U. of California, Merced

Fall 2018, Spring 2019

**Guest Presenter: Evolution/** U. of California, Merced

Fall 2018, Spring 2019, Fall 2020

## **CERTIFICATIONS/WORKSHOPS**

**Anti-Racist Pedagogy Discussion Series** Center for Engaged Teaching and Learning/ U. of California, Merced  
Anti-Racist Pedagogy Fall 2020, Spring 2021

**CETL Workshop Series** Center for Engaged Teaching and Learning/ U. of California, Merced

Preparing to Teach in the Online Environment Summer 2020

Institute for Evidence-based Teaching Practices Spring 2021

**Instructional Internship Program** Center for Engaged Teaching and Learning/ U. of California, Merced

Mastering the Classroom with 1st Generation College Students series:

Setting Expectations Workshop 9/2018

Classroom Challenges Workshop 9/2018

Grading Effectively Workshop 9/2018

The TA and the IOR Roles: Working Together Workshop 9/2018