

Ryan Jacob Torres  
University of California, Merced  
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**Education:**

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PhD, Quantitative and Systems Biology University of California, Merced	08/2021- (In Progress)
Master of Science, Public Health University of California, Merced	05/2021
B.S Biological Sciences, University of California, Merced	05/2018

**Research Experience:**

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Graduate Student Researcher PI: Andrea Joyce School of Social Sciences, Humanities and Arts University of California, Merced	Spring 2021
Graduate Student Researcher PI: Andrea Joyce School of Social Sciences, Humanities and Arts University of California, Merced	Summer 2019
Graduate Student Researcher PI: Andrea Joyce School of Social Sciences, Humanities and Arts University of California, Merced	Fall 2018 – Spring 2019
Undergraduate Student Research Assistant (Employed) PI: Andrea Joyce Sierra Nevada Research Institute University of California, Merced	Spring 2015 – Fall 2018
Undergraduate Student Research Assistant (Volunteer) PI: Erin Stacey Sierra Nevada Research Institute University of California, Merced	Fall 2014 – Spring 2015

**Teaching Experience:**

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Contemporary Biology Lab (BIO1L) (4 Semester Units)	Fall 2021
Public Health Genetics Teaching Assistant (PH 135) (4 Semester Units)	Fall 2020 – Spring 2021

Environmental Health Teaching Assistant (PH 110)  
(4 Semester Units)

Spring 2019-Spring 2020

### Research Projects:

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| Diversity and vector potential of Merced's mosquitoes.<br>PI: Andrea Joyce<br>University of California, Merced   | May 2018- Present |
| <i>Wolbachia</i> infections in mosquitoes of Merced County, California.<br>PI: Andrea Joyce<br>University of California, Merced  | May 2017- Present |
| Assessing genetic diversity in four stink bug species, <i>Chinavia hilaris</i> ,<br><i>Chlorochroa uhleri</i> , <i>Chlorochroa sayi</i> , and <i>Thyanta pallidovirens</i><br>(Hemiptera: Pentatomidae), using DNA barcodes.<br>PI: Andrea Joyce<br>University of California, Merced | May 2015-May 2016 |

### Peer-Reviewed Publications:

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- Torres, R.**, Hernandez, E., Flores, V., Ramirez, J. L., & Joyce, A. L. (2020). *Wolbachia* in mosquitoes from the Central Valley of California, USA. *Parasites & Vectors*, 13(1), 558. <https://doi.org/10.1186/s13071-020-04429-z>
- Hernandez, E., **Torres, R.**, & Joyce, A. L. (2019). Environmental and sociological factors associated with the incidence of West Nile virus cases in the Northern San Joaquin Valley of California, 2011–2015. *Vector-Borne and Zoonotic Diseases*, 19(11), 851-858. doi:10.1089/vbz.2019.2437
- Joyce, A. L., Torres, M. M., **Torres, R.**, & Moreno, M. (2018). Genetic variability of the *Aedes aegypti* (Diptera: Culicidae) mosquito in El Salvador, vector of Dengue, Yellow Fever, Chikungunya and Zika. *Parasites & Vectors*, 11(1), 637. doi:10.1186/s13071-018-3226-5
- Barman, A. K., Joyce, A. L., **Torres, R.**, & Higbee, B. S. (2017). Assessing genetic diversity in four stink bug species, *Chinavia hilaris*, *Chlorochroa uhleri*, *Chlorochroa sayi*, and *Thyanta pallidovirens* (Hemiptera: Pentatomidae), using DNA barcodes. *Journal of Economic Entomology*, 110(6), 2590-2598. doi:10.1093/jee/tox227

### Conference Presentations:

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- Torres, R.**, Joyce, A., Ramirez, J.L., Hernandez, E., Jones, R., *Wolbachia* infections in mosquitoes of Merced County, California. Talk presented at the Pacific Southwest Center of Excellence in Vector-borne Diseases (PACVEC) Annual Meeting. Riverside, CA., 2020.
- Torres, R. 2020. *Wolbachia* in Mosquitoes of Merced County. Proceedings of the Mosquito and Vector Control Association of California. San Diego, CA. August 2020.

- Torres, R.**, Joyce, A., Ramirez, J.L., Hernandez, E., Jones, R., *Wolbachia* infections in mosquitoes of Merced County, California. Mosquito and Vector Control Association of California (MVCAC). Burlingame, CA., 2019.
- Joyce, A., **Torres, R.**, Ramirez, J.L., Hernandez, E., Jones, R., *Wolbachia* infections in mosquitoes of Merced County, California. American Mosquito Association (AMSA). Kansas City, MO., 2018.
- Acosta, J., **Torres, R.**, Hernandez, E., Joyce A. L., Diversity and Vector Potential of Merced's Mosquitoes. Poster presented at the University of California, Merced Research Week Poster Symposium. Merced, CA., 2018.
- Flores, V., **Torres, R.**, Joyce, A., Hernandez, E., Jones, R., *Wolbachia* infections in mosquitoes of Merced County, California. Poster presented at the University of California, Merced, Research Week Symposium. Merced, CA., 2017.
- Torres, R.**, Joyce, A. L., Torres, M. M., & Moreno, M. Genetic variability of the *Aedes aegypti* (Diptera: Culicidae) mosquito in El Salvador, vector of Dengue, Yellow Fever, Chikungunya and Zika. Associated Student Body of UC Merced. Merced, CA., 2017.
- Flores, V., **Torres, R.**, Hernandez, E., Joyce, A.L., *Wolbachia* infections in mosquitoes of Merced County, California. University of California, Merced Research Week Symposium. Merced, CA., 2017.
- Torres, R.**, Joyce, A., Higbee, B., Investigating cryptic species of *Chlorochroa uhleri* Stål (Hemiptera: Pentatomidae), a green stink bug. International Congress of Entomology (ICE). Orlando, FL., 2016.
- Torres, R.**, Joyce, A., Higbee, B., Investigating cryptic species of *Chlorochroa uhleri* Stål (Hemiptera: Pentatomidae), a green stink bug. Poster presented at the University of California, Merced Research Week Poster Competition. Merced, CA., 2016.
- Torres, R.**, Joyce, A., Higbee, B., Investigating cryptic species of *Chlorochroa uhleri* Stål (Hemiptera: Pentatomidae), a green stink bug. Poster presented at the University of California, Merced Research Week. Merced, CA., 2015.

### Grants, Fellowships and Awards:

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Pacific Southwest Center of Excellence in Vector-borne Diseases Training Grant PI: Andrea Joyce; <b>Trainee: Ryan Torres</b>	April 2019
Yara North America Almond Scholarship	February 2017
Fellowship and Undergraduate Research Symposium University of California, Merced	July 2016
Travel Scholarship to Society for Advancement of Hispanic/Chicanos and Native Americans in Science (SACNAS) National Conference	October 2015

Louis Stokes California Alliance for Minority Participation (NSF-CAMP)  
Undergraduate Research Opportunities Center  
University of California, Merced

May 2015

### **Service:**

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Prospective Graduate Student Visitation Weekend  
Continuing Student Resource and Q&A Panel  
University of California Merced

February 2020

Public Health Seminar Series  
Student Coordinator  
University of California, Merced

June 2019 - Present

Public Health Graduate Group- Environmental Health Faculty  
Search Committee  
Graduate Student Representative  
University of California, Merced

August 2019 - December 2019

Public Health Graduate Group Student Committee  
Bylaw Construction, Founding Member  
University of California, Merced

Summer 2019 – Fall 2019

### **Professional Development**

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“Take me to the Doctorate”  
Professional Development Series  
Undergraduate Research Opportunities Center (UROC),  
University of California, Merced

May 2016

### **Professional Memberships**

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Health Sciences Research Institute (Graduate Student Member)  
University of California, Merced

January 2020 - Present

Mosquito and Vector Control Association of California (MVCAC)

November 2017 - Present

Society for Advancement of Hispanic/Chicanos and Native Americans  
in Science (SACNAS)

Fall 2019

Entomology Society of America (ESA)

June 2015-Present

The National Society of Collegiate Scholars (NSCS)

May 2014 - Present

### **Technical Workshops**

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*RNA-Seq* Workshop  
Instructor: Dr. Matt Settles  
UC Davis Bioinformatics Core

Summer 2020