
Claudia Velázquez

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ACADEMIC TRAINING

M.S. Biology **California State University, Fresno** 2016
Thesis: THE KINEMATICS AND PARTICLE IMAGE VELOCIMETRY OF THE SHORE CRAB
LARVA *CARCINUS MAENAS*

B.S. Biological Sciences **University of California, Merced** 2009

PROFESSIONAL EXPERIENCE

Volunteer **Special Needs In My City, Inc.** Oct. 2017 - present
Manage Website: modify, update and optimize content.
Manage calendar content, create facebook posts and events
for the Special Needs In My City Parents group.
Engage in email marketing by creating campaigns, edit,
proofread and improve content style and layout.

Substitute Teacher **Delhi Unified School District** Sep. 2018 – March 2020
K-12 substitute teacher

Graduate Student **California State University, Fresno** 2010-2016
M.S. research investigating the biomechanics of the green
shore crab larva with emphasis in kinematics and fluid
flow. Also perform crab zoeal identification, cultivated
rotifers and copepods, and took care of egg bearing green
crabs and larvae. Included collecting copepods from Point
Pinole.

Cancer Scholar Intern **Sanford Burnham Prebys Medical Discovery Institute** (8wk) 2013
Investigation of the mechanism of NETosis and in the role
of elastase and NETs in NETosis.

Teaching Associate **California State University, Fresno** 2011
Biology 10 laboratory, Spring Semester

Research Assistant	California State University, Fresno (14 wks) Crab zoeal identification.	2011
Student Affairs	University of California, Merced Student Assistant Assisted students with questions regarding admissions and financial aid with great customer service skills. Processed financial aid and registrar questions and documents. Referred students to admissions, financial aid or academic counselors. Registered visitors to a UC Merced campus tour.	2006-2009
National Science Foundation REU	USC Wrigley Institute for Environmental Studies Allele differences between two intertidal <i>T. californicus</i> copepod population based on microsatellite data. Results were presented at a public REU symposium.	2008
Medina Lab Member & Summer Student Assistant	University of California, Merced Zooxanthellae Genotyping.	2007
UC AGEP Scholar	University of California, Merced Zooxanthellae Genotyping.	Summer2007
Center for Computational Biology Undergraduate Summer Intern	University of California, Merced Learned how to apply computer and mathematical models to approach biological problems. Each week we had lectures and computer labs conducted by CCB faculty and applied the information to projects that lead to presentations. Worked one week at the Oak Ridge National Laboratory and Learned how to use Peter Karp's Pathway tools and presented a project applying Pathway-tools to <i>Shewanella frigidimarina</i> NCIMB 400.	2007

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GRANTS, AWARDS, AND DISTINCTIONS

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Community Champion Award Yosemite Chapter of the Association of Fundraising Professionals 10 th National Philanthropy Day	Nov. 2020
Certificate of Special Congressional Recognition	2018
State of California Senate Certificate of Recognition	2018

American Society of Biomechanics Diversity Travel Award, Columbus Ohio 2015
Free registration with most meals, lodging, and \$300 travel honorarium

Éxito! Latino Cancer Research Leadership Training Summer Institute, San Antonio, Texas 2015
Institute for Health Promotion Research at The University of Texas Health Science Center
A five day summer Institute where it shows the need for minority researchers and the opportunities available in Latino cancer health disparities and cancer control research.

rGrant 2012-2013

California State University, Fresno, Associated Students. Inc, \$600.00

State University Grant 2010-2013

California State University, Fresno, \$5,991;\$5,717;\$5,322

Faculty Sponsored Student Research Award 2010-2011

California State University, Fresno, \$500

Graduate Assistantship Award 2011

California State University, Fresno, \$1,000

Golden Key International Honour Society member 2011

CalGrant A 2005-2009

University of California, Merced, \$6,141

Federal Pell Grant 2005-2009

University of California, Merced, \$3,100

Well Fargo-HS Scholarship 2005-2009

University of California, Merced, \$1,000

Frances M. Benton Supplemental Scholarship 2007-2008

University of California, Merced, \$1,000

Federal ACG grant 2006-2007

University of California, Merced, \$1,300

Scholarship-UCM Donor 2005-2006

University of California, Merced, \$1,000

Life member of the California Scholarship Federation

Who's Who Among American High School Students

SKILLS AND QUALIFICATIONS

- Excellent oral and written communication
- Strong organizational skills
- Attention to detail
- Can work independently and be a team player
- Can interact with people from a diverse range of backgrounds in a respectful and courteous fashion
- Experience in managing and mentoring
- Enjoys challenges, problem solving and quickly learns new skills
- Experience with data entry & analysis
- MS Word/Excel/PowerPoint
- Language: MATLAB, R, Python, Scilab
- Toolbox / Software: MATLAB, PIVlab, DLTdv digitizing tool

PUBLIC OUTREACH AND ENGAGEMENT

Volunteer: Special Needs In My City, Inc.	Oct. 2017 – present
Founder and Officer of Finance: Quiero Bailar UC Merced	Fall 2008 – Spring 2009
Founder and Vice President: Catholic Society of UC Merced	Fall 2007 – Spring 2009
Secretary: Latino Students of UC Merced	Fall 2006 – Spring 2008
Velazquez, Claudia. “Asthma” Audio blog post. Medina Lab Podcasts.	Fall 2007
Spanish 103 Service Learning with periodico El Tiempo	Fall 2007

WORKSHOPS ATTENDED

NMR Workshop	RIMI CSU, Fresno	April 10 & 11, 2014
qPCR mini Workshop	RIMI CSU, Fresno	June 12, 2013
What's New in Chromatography Seminar	Agilent Technologies, Fresno	September 27, 2011

PRESENTATIONS

Talks	Claudia Velázquez, and Meena Tadimeti. Welcome To Special Needs In My City. Ceres Community Collaborative Meeting, November 7, 2018.
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Claudia Velázquez – Curriculum Vitae

Claudia Velázquez, and Meena Tadimeti. Helping Families with Special Needs. El Concilio Coalition Forum, September 27, 2018.

Velázquez, CCS. Linkage Mapping in the Harpacticoid copepod *Tigriopus californicus*. USC REU Symposium, August 6, 2008.

Posters

Claudia Cristina S Velázquez, Otto Berg, Ulrike K. Müller, Brian Tsukimura. Swimming behavior of the shore crab larva *Carcinus maenas*: the kinematics and Particle Image Velocimetry. SICB Annual Meeting, January 4-8, 2017.

Claudia Cristina S Velázquez, Ulrike K. Müller, Brian Tsukimura. Particle Image Velocimetry of the shore crab larva *Carcinus maenas*. 7th Annual Graduate Research And Creative Activities Symposium, May 7, 2015.

Claudia Cristina S Velázquez, Ulrike K. Müller, Brian Tsukimura. The Kinematics of Swimming Locomotion in the shore crab *Carcinus maenas*. Celebration of Student Research and Achievements, College of Science and Mathematics Poster Session, May 6, 2015.

Claudia Cristina S Velázquez, Ulrike K. Müller, Brian Tsukimura. The Kinematics of Swimming Locomotion in the shore crab *Carcinus maenas*. 36th Annual Central California Research Symposium, April 22, 2015.

Scott J. Snipas, Paulina Kasperkiewicz, Heather Parker, Claudia Velazquez, Luis Suarez, Christine Winterbourn, Marcin Drag, Guy S. Salvesen. Probing Neutrophil NETosis. 12th Annual SBSN Poster Symposium, November 14, 2013.

Scott J. Snipas, Paulina Kasperkiewicz, Heather Parker, Claudia Velazquez, Luis Suarez, Christine Winterbourn, Marcin Drag, Guy S. Salvesen. Probing Neutrophil NETosis. IPS biennial Meeting, October 20-24, 2013.

Velázquez, CCS, and Medina, M. *Zooxanthellae* Genotyping. AGEP Luncheon, October 19, 2007.

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PUBLICATION

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1. Pritchard, VL., Dimond, L., Harrison, JS., Velázquez, CCS., Zieba, JT., Burton, RS., and Edmands, S. 2011. Interpopulation hybridization results in widespread viability selection across the genome in *Tigriopus californicus*. BMC Genetics 12(1):54