

ALBERTO SOTO

CURRICULUM VITAE

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EDUCATION

- 2019 (Expected) **PhD in Ecology & Evolutionary Biology**
University of California, Irvine, CA.
Advisor: Dr. Matt McHenry
- 2014 **MS in Mathematics**
University of California, Irvine, CA.
- 2012 **BS in Mathematics**
California State Polytechnic University, Pomona, CA.
cum laude

HONORS AND AWARDS

- 2015 **Best Student Oral Presentation**
Southwest Organismal Biology Regional Conference, Cal Poly Pomona.
- 2014 **NSF Graduate Research Fellowship Program**
National Science Foundation.
- 2013 **CCBS Predoctoral Training Grant**
National Institute of Biomedical Imaging and Bioengineering –
from UC Irvine, Center for Complex Biological Systems.
- 2013 **Graduate MBRS Scholar**
Minority Biomedical Research Support Program for Graduates,
School of Biological Sciences, UC Irvine.
- 2012 **SACNAS Annual Meeting Travel Award (Seattle, WA)**
SACNAS, Inc., Santa Cruz, CA.
- 2012 **Best Poster Presentation**
SIAM Life Sciences Conference, San Diego, CA.
- 2012 **President's List**
California State Polytechnic University, Pomona, CA.
- 2012 **Dean's List**
California State Polytechnic University, Pomona, CA.
- 2011 **SACNAS Annual Meeting Travel Award (Fresno, CA)**
SACNAS, Inc., Santa Cruz, CA.
- 2011 **North Carolina State University REU (NSF Funded)**

- 2011 North Carolina State University, Raleigh, NC.
Building Diversity in Science Scholarship
Building Diversity in Science, Inc., Daly City, CA.
- 2011 **The Boeing Company Mathematics Department Scholarship**
California State Polytechnic University, Pomona, CA.

CONFERENCE ACTIVITY

- 2016 “The pursuit strategy of predatory zebrafish.” Poster presentation at the SICB Annual Meeting in Portland, OR.
- 2015 SACNAS Annual Meeting, Washington DC.
- 2015 “Optimal escape directions in predator–prey interactions.” Oral presentation at the Southwest Organismal Biology Regional Conference at Cal Poly Pomona.
- 2015 “Modeling the optimal evasion strategy of prey fish.” Poster presentation at the SICB Annual Meeting in West Palm Beach, FL.
- 2014 SACNAS Annual Meeting, Los Angeles, CA.
- 2014 SICB Annual Meeting, Austin, TX (Jan 3–7).
- 2013 SIAM Annual Meeting, San Diego, CA.
- 2013 Joint Mathematics Meetings, San Diego, CA.
- 2012 “Modeling Blood Pressure Dynamics.” Poster Session at the Society for Industrial and Applied Mathematics Life Sciences Conference in San Diego, CA.
- 2012 “Modeling Blood Pressure Dynamics.” Oral presentation at the Pacific Coast Undergraduate Mathematics Conference at Cal Poly Pomona, CA.
- 2012 SACNAS Annual Meeting, Seattle, WA.
- 2012 “Modeling Blood Pressure Dynamics.” Poster Session at the Joint Mathematics Meetings in Boston, MA.
- 2011 SACNAS Annual Meeting, San Jose, CA.

PROFESSIONAL MEMBERSHIP

American Mathematical Society, Society for Industrial and Applied Mathematics, Society for Advancement of Chicanos and Native Americans in Science, Society for Integrative and Comparative Biology.

SERVICE AND OUTREACH

MSP Symposium Poster Judge, UCI (Sept. 2016). Participated in the Minority Science Program Summer Symposium as a judge during the poster session.

SURF Peer Mentor, UCI (Summer 2016). Participated in the Summer Undergraduate Research Fellowship program as a peer mentor. I assisted students in preparing their poster presentations.

Competitive Edge Peer Mentor, UCI (Summer 2016). Graduate student peer mentor for incoming minority graduate students participating in the Competitive Edge Summer

Research Program as part of the DECADE initiative. I served as the peer mentor for two students entering the Dept. of Ecology and Evolutionary Biology.

Graduate Student Recruiter, UCI (Fall 2014-2016). Graduate student recruiter representing UCI at the SACNAS Annual Meeting. I worked alongside Dr. Frances Leslie, Dean of Graduate Studies, and Daniel Fabrega, recruitment manager, at the informational booth for UCI. Hundreds of prospective graduate students from underrepresented minority groups visit the booth at SACNAS.

REU Workshop Panelist, UCI (Nov. 2014-2015). Participated as a panelist in an informational workshop hosted by graduate students in the Department of Ecology and Evolutionary Biology. The workshop topic was NSF funded REUs and was geared toward undergraduate students.

Competitive Edge Peer Mentor, UCI (Summer 2014). Graduate student peer mentor for incoming minority graduate students participating in the Competitive Edge Summer Research Program as part of the DECADE initiative. I served as the peer mentor for two students entering the Dept. of Mathematics.

MCB Bootcamp tutor, UCI (Aug. 2014). Mathematics tutor for incoming Mathematical and Computational Biology PhD Program students during Bootcamp.

COSMOS Teaching Assistant, UCI (Summer 2014). Mathematics tutor for high school students conducting summer research at UCI on cancer tumor modeling through COSMOS.

MCB Bootcamp tutor, UCI (Aug. 2013-2015). Mathematics tutor for incoming Mathematical and Computational Biology PhD Program students during Bootcamp.

MCBU tutor, UCI (July 2013). Mathematics tutor for Mathematical and Computational Biology for Undergraduates summer research experience. Paired teams of mathematics and biology students are co-advised by mathematics and biology faculty.

AVID Program, UCI (April 2013). Research talk to Ontario High School AVID students hosted by the Minority Science Program.

MCB recruits research seminar, UCI (Feb. 2013). Research seminar for Mathematical and Computational Biology PhD Program recruits.

AfterMath Conference Panelist, Harvey Mudd College (Feb. 2013). I was a panelist during the Graduate School Panel at the AfterMath Conference: Preparing for Careers in the Mathematical Sciences.

Private tutor, (2009–2012). Tutored middle school and high school students in algebra, geometry, and calculus.