AKANA E. NOTO

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PROFESSIONAL APPOINTMENTS

Postdoctoral Fellow, Northeastern University, Boston, MA — Starting January **2018**
Lecturer, University of San Diego, Claremont, CA — **2017-present**
Adjunct Professor, San Diego Mesa College, San Diego, CA — **2017-present**
Visiting Assistant Professor, Keck Science Department, Claremont McKenna College – Scripps College – Pitzer College, Claremont, CA — **2016-2017**

EDUCATION

University of California, San Diego, La Jolla, CA — **2011-2016**
Dissertation: "Abiotic and biotic drivers of spatial variation in salt marsh species interactions and community dynamics"

- Ph.D. in **Ecology, Behavior and Evolution**, June 2016.
- Advisor: Prof. Jonathan Shurin

Pomona College, Claremont, CA — **2005-2009**

- B.A. in **Biology**, May 2009. 3.89 GPA. *Cum laude*. Phi Beta Kappa.
- Distinction in **Senior Exercise**: "Invasibility of Coastal Sage Scrub: The Impacts of Allelopathy, Seed Predation and Shading on Success of an Invasive Species"

PUBLICATIONS

Noto, A.E., Shurin, J.B., and Hechinger R.F. Invertebrate herbivory in salt marshes as a driver of geographic variation in plant-plant interactions and plant diversity. *In prep.*

Noto, A.E. and Shurin, J.B. Interactions among salt marsh plants vary geographically but not latitudinally along the California coast. *Ecology and Evolution.* DOI: 10.1002/ece3.3191

Guy-Haim, T., Alexander, A., Bell, T.W., Bier, R.L., Bortolotti, L., Briseno-Avena, C., Dong, X., Flanagan, A.M., Grosse, J., Grossman, L., Hasnain, S., Hovel, R., Johnston, C.A., Miller, D.R., Muscarella, M., **Noto, A.E.**, Reisinger, A.J., Smith, H.J., Stamieszkin, K. What are the type, direction, and strength of species, community, and ecosystem responses to warming in aquatic mesocosm studies and their dependency on experimental characteristics? A systematic review protocol. 2017. *Environmental Evidence* 6:6. DOI: 10.1186/s13750-017-0084-0.

Noto, A.E. and Shurin, J.B. 2017. Mean conditions predict salt marsh plant community diversity and stability better than environmental variability. *Oikos*. DOI: 10.1111/oik.04056

Noto, A.E. and Shurin, J.B. 2017. Early stages of sea-level rise lead to decreased salt marsh plant diversity through stronger competition in Mediterranean-climate marshes. *PLOS ONE* 12(1): e0169056. DOI: 10.1371/journal.pone.0169056

Noto, A.E. and Shurin, J.B. 2016. Population variation affects interactions between two California salt marsh plant species more than environment. *Oecologia* 180: 499-506.

FELLOWSHIPS, GRANTS and AWARDS

- National Science Foundation Postdoctoral Research Fellowship in Biology **2018-2020**
- Frontiers of Innovation Scholars Program Fellowship **2015-2016**
- UC Natural Reserve System Mildred E. Mathias Grad Stu Res Grant **2014**
- National Estuarine Research Reserve System Graduate Research Fellowship **2012-2014**
- California Native Plant Society Research Grant **2013**
- Wetland Foundation Field Travel Grant **2013**
- Jeanne Messier Research Grant, UC San Diego **2012**
- Honorable mention, Ford Foundation Fellowship **2012**
- Honorable mention, National Science Foundation Grad Res Fellowship **2011, 2012**
- Ruth Stern Graduate Fellowship, UC San Diego **2011**

INVITED PRESENTATIONS

Noto, A.E. San Diego State University. 2016.
Noto, A.E. Eco-DAS XII Symposium, Honolulu, HI. 2016.

CONFERENCE PRESENTATIONS

"Interactions between salt marsh plants across a latitudinal gradient: the effect of environment and population." Mathias Symposium, Bodega Bay, CA, February 2016.

"Climate effects on plant parasite distribution and plant competition." *Poster Session*: Frontiers of Innovation Scholarship Program Symposium, San Diego, CA, November 2015.

"Does interaction strength vary latitudinally among California salt marsh plants?" Western Society of Naturalists Annual Meeting, Sacramento CA, November 2015.

"Environmental variability's impacts on salt marsh community diversity and stability." Ecological Society of America Annual Meeting, Baltimore MD, August 2015.

"Effects of local adaptation on California salt marsh plant interactions and responses to precipitation." Ecological Society of America Annual Meeting, Sacramento CA, August 2014.

"Sea-level rise and dominant plant species impacts on salt marsh communities." *Poster session*: Coastal and Estuarine Research Federation Conference, San Diego CA, November 2013.

"Allelopathy, shading and seed predation as determinants of coastal sage scrub invasibility." *Poster Session*: West Coast Biological Sciences Undergraduate Research Conference, San Diego CA, April 2009.

TEACHING EXPERIENCE

Courses taught:

Bioenergetics and Systems Lab, University of San Diego
Introductory Biology Lab, San Diego Mesa College
Introductory Biology – Evolution, Biodiversity and Ecology Lecture and Lab, Keck Science Department
Conservation Ecology for Non-Majors Lecture and Lab, Keck Science Department
Introductory Biology – Cell and Molecular Biology Lab, Keck Science Department
Introductory Ecology – Organisms and Habitats, University of California, San Diego

Training and service:

Graduate Teaching Mentor, University of California, San Diego **2015-2016**

- Assisted with training of undergraduate and graduate teaching assistants including teaching about active learning and promoting equity in the classroom

STEM Education & Diversity Discussion Grp Board Member **2014-2016**

Summer Graduate Teaching Scholar, University of California, San Diego **Summer 2015**

- Instructor of record for Introductory Ecology—Organisms and Habitats (70 students)

The College Classroom, University of California, San Diego **Winter 2015**

- Course about evidence-based teaching
- CIRTL Associate certification

Marine Biology Instructor, UC San Diego TRIO Outreach program **Summer 2014**

- Developed and taught a four-week marine ecology curriculum, including lab activities, for high school students from underrepresented groups in higher education

Fulbright Fellowship, English Teaching Grantee **2009-2010**
U.S. Department of State
Dasu Elementary School, Gimcheon, South Korea

- Independently taught and planned lessons in English as a Foreign Language for 23 first- through sixth-grade classes

Undergraduate research supervision:

Eden Santiago Gomez. 2015. Summer REU. Scripps Institution of Oceanography, UCSD. Invertebrate abundance and community composition in Pacific salt marshes along a latitudinal gradient.
Marisa Morse. 2012. Summer REU. Scripps Institution of Oceanography, UCSD. Invertebrate distribution in Southern California salt marshes.

Education research:

Collaborating with an education researcher to develop interventions to help undergraduate students better understand experimental design, analyze their efficacy, and put results into context of education research.

Public outreach:

UC Reserve Fundraising Event, Kendall-Frost Mission Bay Marsh Reserve, San Diego, CA, October 2015.
Speaker Series, Tijuana River National Estuarine Research Reserve, Imperial Beach, CA, April 2015.
Exploring Ocean STEM Careers, Birch Aquarium at Scripps Institution of Oceanography, UCSD, San Diego, CA, April 2015.
Love Your Wetlands Day, Kendall-Frost Mission Bay Marsh Reserve, San Diego, CA, February 2015.
Love Your Wetlands Day, Kendall-Frost Mission Bay Marsh Reserve, San Diego, CA, February 2014.

SERVICE AND LEADERSHIP

Admissions Committee Member Univ Calif, San Diego **Winter 2014**
Recruitment Committee Member Univ Calif, San Diego **Winter 2012, 2013**

LANGUAGES

- English – Native speaker
- Japanese – Fluent speaking, completed college-level classes in reading, writing
- Spanish – Advanced speaking, reading and writing
- Korean – Low intermediate speaking, reading and writing