

# Jessica Dawn Pratt

Ecology & Evolutionary Biology  
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## EDUCATION

**Ph.D.** 2013. Ecology & Evolutionary Biology, University of California, Irvine. Advisor: Kailen A. Mooney

**M.S.** 2005. Zoology, North Carolina State University. Advisor: Jaime A. Collazo

**B.S.** 2003. Biology, *Magna cum laude*, Honors College, Grand Valley State University.

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## PROFESSIONAL APPOINTMENTS

- 2019- Associate Professor of Teaching, Ecology and Evolutionary Biology, University of California, Irvine  
2014- 2019 Assistant Professor of Teaching, Ecology and Evolutionary Biology, University of California, Irvine  
2013- 2014 Education & Outreach Coordinator, Center for Environmental Biology, University of California, Irvine  
2012 Research Coordinator, Environment Institute, University of California, Irvine  
2008- 2011 Teaching Assistant, University of California, Irvine, Department of Ecology and Evolutionary Biology  
2009- 2010 Research Assistant, Campbell Lab, Rocky Mountain Biological Lab, Gothic, CO  
2009- 2010 NSF GK-12 Teaching Fellow, School of Biological Sciences, University of California, Irvine  
2008 Lab Manager, Mooney Lab, University of California, Irvine  
2007 Administrative Specialist, HHMI at UCI Teacher Development Program, School of Biological Sciences, University of California, Irvine  
2007 Adjunct Professor, Department of Biology, Orange Coast College, Costa Mesa, CA  
Courses taught include: Genetics (BIO 283) & Intro Biology Lab (BIO 100L)  
2006- 2007 Lecturer, School of Biological Sciences, University of California, Irvine. Departments: Ecology and Evolutionary Biology, Cell and Developmental Biology  
Courses taught include: Genetics (BIO 97); Biological Conservation in Modern Society (BIO E190); Experimental Biology Laboratory (BIO 100LW); Organisms to Ecosystems (BIO 94).  
2006-2007 HHMI Teaching Fellow, University of California, Irvine, School of Biological Sciences

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## SELECTED ACADEMIC HONORS

- 2019 Dean's Honoree for Teaching Excellence, Celebration of Teaching Award  
2017 Nominee, UC-Irvine Community Engaged Teaching Award  
2014 UC-Irvine Living Our Values Award  
2014 UCI 50<sup>th</sup> Anniversary Commencement Speaker, with President Obama  
2013 UC-Irvine Chancellor's Club Distinguished Fellowship  
2010- 2013 Environmental Protection Agency – STAR Graduate Fellowship  
2011 UC-Irvine Graduate Division, Public Impact Fellowship  
2011 UC-Irvine Graduate Division, Most Promising Future Faculty Award  
2011 Union of Concerned Scientists & Ecological Society of America, Ecoservice Award

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## PUBLICATIONS (previously published under Gleffe; \*indicates undergraduate student coauthor)

Peer Reviewed Journal Articles:

14. Croy, JR, **JD Pratt**, KA Mooney. *Submitted*. Latitudinal resource gradient shapes multi-variate defense strategies in a long-lived shrub. *Ecology*.

13. Schlau, B, T Huxman, KA Mooney, **JD Pratt**. 2021. Facilitation at early growth stages results in spatial associations and stable coexistence in late growth stages of two long-lived, dominant shrubs. *Oikos* 00:1-9. doi: 10.1111/oik.08603
12. Croy, JR, **JD Pratt**, D Sheng, KA Mooney. 2021. Climatic displacement exacerbates the negative impact of drought on plant performance and associated arthropod abundance. *Ecology* 00(00):e03462. 10.1002/ecy.3462.
11. Sorte, CJ, NM Aguilar-Roca, AK Henry, **JD Pratt**. 2020. A hierarchical mentoring program increases confidence and effectiveness in data analysis and interpretation for undergraduate biology students. *CBE - Life Sciences Education* 19(3), ar23.
10. Moreira, X, L Abdala-Roberts, CS Nell, C Vazquez-Gonzalez, **JD Pratt**, K Keefover-Ring, KA Mooney. 2019. Sexual and genotypic variation in terpene quantitative and qualitative profiles in the dioecious shrub *Baccharis salicifolia*. *Scientific Reports* 9: 14655. doi: 10.1038/s41598-019-51291-w
9. Nelson, AS, RT Pratt, **JD Pratt**, RA Smith, CT Symanski, C. Prenot, KA Mooney. 2018. Progressive sensitivity of trophic levels to warming underlies an elevational gradient in ant-aphid mutualism strength. *Oikos* 128: 540-550. doi: 10.1111/oik.05650.
8. Meza-Lopez M, KA Mooney, AL Thompson\*, NK Ho\*, **JD Pratt**. 2018. A test for clinal variation in *Artemisia californica* and associated arthropod responses to nitrogen addition. *PLOS ONE* 13(2): e0191997.
7. Nell, CS, MM Meza-Lopez, JR Croy, AS Nelson, X Moreira, **JD Pratt**, KA Mooney. 2018. Relative effects of genetic variation sensu lato and sexual dimorphism on plant traits and associated arthropod communities. *Oecologia*. doi.org/10.1007/s00442-018-4065-y
6. Abdala-Roberts L, RT Pratt, **JD Pratt**, KA Mooney. 2017. Traits underlying community consequences of plant intra-specific diversity. *PLoS ONE* 12(9): e0183493.
5. **Pratt JD**, A Datu\*, T Tran\*, D Sheng, KA Mooney. 2017. Genetically-based latitudinal clines in *Artemisia californica* drive parallel clines in arthropod communities. *Ecology* 98(1): 79-91
4. Abdala-Roberts L, **JD Pratt**, RT Pratt, TK Schreck, V Hanna\*, KA Mooney. 2016. Multi-trophic consequences of plant genetic variation in sex and growth. *Ecology* 97(3): 743-753.
3. **Pratt JD**, K Keefover-Ring, L Liu\*, KA Mooney. 2014. Genetically-based latitudinal variation in *Artemisia californica* secondary chemistry. *Oikos* 123(8): 953-963.
2. **Pratt JD**, KA Mooney. 2013. Clinal adaptation and adaptive plasticity in *Artemisia californica*: Implications for the response of a foundation species to predicted climate change. *Global Change Biology* 19: 2454-2466.
1. **Gleffe JD**, JA Collazo, MJ Groom, L Miranda. 2006. Avian reproduction and the conservation value of shaded coffee plantations. *Ornitologia Neotropical* 17: 271-282.

#### Book Chapters:

- Pratt, JD**. *In review*. How an ecologist came to study and teach about emotions in the science classroom (and why you should too!). In *An Existential Toolkit for Climate Justice Educators*. Eds: Jennifer Atkinson and Sarah Jaquette Ray. University of California Press, Oakland.
- Pratt, JD**. *In review*. From Existential Crisis to Action Planning – Building individual and community resilience via an eco-grief and climate-anxiety lesson plan. In *An Existential Toolkit for Climate Justice Educators*. Eds: Jennifer Atkinson and Sarah Jaquette Ray. University of California Press, Oakland.

#### Technical Reports:

- V. Ramanathan, M. Suárez-Orozco, M. Grenot-Scheyer, F. Uy, R. Arum, K. Cowe, J. Grace, B. Murchison, C. Ney and E. Schell, et al. (>50 contributing authors). 2019. Achieving Climate Stability and Environment Sustainability: PK–12 education as part of the solution for bending the curve. Published by the UC–CSU Environmental and Climate Change Literacy Project and Summit Steering Committee. Ed: Leigh Leveen, Published by the University of California at Los Angeles 2019. *I authored portions of the Pre-Service section, pgs.30-34.*

## PRESENTATIONS, SYMPOSIA, & WORKSHOPS

- A Porzecanski, M Groom, **Pratt JD**. *Submitted*. Towards conservation literacies: what resources are needed for pluralistic conservation teaching and learning? Workshop. North American Congress for Conservation Biology, Reno, NV.
- Pratt JD**, M Groom, A Porzecanski. *Submitted*. Conservation literacy as interwoven literacies: a sharing and learning session. Interactive symposium session. North American Congress for Conservation Biology, Reno, NV.
- Pratt JD**, K Gallego Lovero. 2020. Confronting eco-grief and eco-anxiety in the conservation classroom. Interactive workshop session. North American Congress for Conservation Biology, Virtual.
- Henry, AK, CJB Sorte, NM Aguilar-Roca, **JD Pratt**. 2020. A hierarchical mentoring program increases confidence and effectiveness in critical thinking skills of undergraduate biology students. Poster, Society for the Advancement of Biology Education Research (SABER) West Meeting, Irvine, CA. *Presented by A. Henry*.
- Pratt JD**, JW White. 2019. How can field work help prepare student teachers to integrate Climate Crisis studies? Invited presenter and discussion leader. Environmental and Climate Change Literacy Summit. UC-Los Angeles, CA.
- Faiola, CL, **JD Pratt**, SA Allison (co-presenters). 2019. What does decolonization mean for conservation and restoration ecology? Invited presentation. Center for Environmental Biology and MCRS Annual Ecological Workshop. UC-Irvine.
- Pratt JD**. 2019. Using common garden studies to inform conservation and restoration of California's Coastal Sage Scrub ecosystem. Invited seminar. Biology Department, University of San Diego.
- Pratt JD**. 2018. Teaching beyond your discipline: Improving interdisciplinary conservation education and sharing best practices through faculty learning communities. Interactive symposium session. North American Congress for Conservation Biology, Toronto, Ontario, CAN.
- Pratt JD**. 2018. Incorporating intraspecific variation in plant trait and arthropod community responses to environmental change into restoration planning. Invited presentation. California Native Plant Society Conservation Conference, Los Angeles, CA.
- Pratt JD**. 2017. Teaching professional and leadership skills, sustainability awareness, and self-efficacy through collaborations between university and high school classes. Invited presentation. UC-CSU Nearly Carbon Neutral Conference. The UC-CSU Knowledge Action Network for Transformative Climate and Sustainability Education and Action.
- Pratt JD**. 2017. Community-engaged scholarship teaches essential skills for environmental careers and conservation action. Invited presentation. International Headwaters to Oceans Conference.
- Pratt JD**. 2016. Infusing principles of sustainability and climate neutrality into existing curriculum to enhance conservation education for all students. Half-day Teaching Workshop. North American Congress for Conservation Biology, Madison, WI.
- Pratt JD**. 2016. Get out of the classroom! Integrating student-public interactions into conservation courses. Invited Talk, Symposium: Improving Conservation Education In and Out of the Classroom. North American Congress for Conservation Biology, Madison, WI.
- Pratt JD**. 2015. Causes and community-level consequences of clinal adaptation in a foundational plant species. Invited Seminar Talk. Loma Linda University.
- Pratt JD**, C Nell. 2015. Teaching Ecological & Evolutionary Perspectives on a tri-trophic system. Workshop. Association for Biology Laboratory Education Regional Meeting, Irvine, CA.
- Pratt JD**, P Kadandale\*. 2015. Assessing Student Learning. Invited workshop. UCI School of Biological Sciences Faculty Retreat. \*co-organizers
- Pratt JD**, S Kimball, TE Huxman. 2014. Linking conservation practitioners and university scholarship to K-12 and public audiences through a conservation research and outreach training program for undergraduates. Oral presentation. North American Congress for Conservation Biology, Missoula, MT.
- Pratt JD**, N Ho, KA Mooney. 2014. Variation in the response of *Artemisia californica* populations to nitrogen addition and impacts on associated arthropods. Oral presentation. Ecological Society of America Annual Meeting, Sacramento, CA.

- Pratt JD.** 2014. Environmental issues in Southern California. Invited seminar. The Wellington Community, Laguna Hills, CA.
- Pratt JD.** 2013. Variation in the response of California sagebrush (*Artemisia californica*) and its arthropod community to environmental change. Invited seminar. Irvine Ranch Conservancy, Irvine, CA.
- Pratt JD, KA Mooney.** 2013. Clinal adaptation and adaptive plasticity in *Artemisia californica*: Implications for the response of a foundation species and its arthropod community to predicted climate change. Oral presentation. Ecological Society of America Annual Meeting, Minneapolis, MN.
- Pratt JD, KA Mooney.** 2013. Clinal adaptation and adaptive plasticity in *Artemisia californica*: Implications for the response of a foundation species and its arthropod community to predicted climate change. Poster presentation. Gordon Research Conference on Plant-Herbivore Interactions, Ventura, CA.
- Pratt JD, DR Campbell.** 2013. Local adaptation and phenotypic plasticity in *Ipomopsis aggregata* across an elevational gradient. Oral presentation. Rocky Mountain Biological Lab Seminar Series, Gothic, CO.
- Pratt JD, KA Mooney.** 2011. Conservation implications of variation in *Artemisia californica* traits along an environmental gradient. Oral presentation. Medecos Conference, Los Angeles, CA.
- Pratt JD, KA Mooney, DR Campbell.** 2011. Assessing clinal variation and elevational range limits in *Ipomopsis aggregata*. Oral Presentation. Ecological Society of America Annual Meeting, Austin, TX.
- Pratt JD, KA Mooney.** 2010. Plant adaptation to a resource cline has consequence for plant-insect interactions. Oral Presentation. Ecological Society of America Annual Meeting, Pittsburgh, PA.
- Pratt JD, KA Mooney.** 2010. Assessing the need for assisted migration of *Artemisia californica* in coastal sage scrub habitat. Poster Presentation. Society for Conservation Biology Annual Meeting, Edmonton, Canada.
- Pratt JD, KA Mooney.** 2010. The other assisted migration: moving genotypes within a species range. Invited Talk. Janet Meakin Poor Research Symposium, Chicago Botanic Garden, Glencoe, IL.
- Blackwell L, M Burke, J Eme, **JD Pratt**, K Shah. 2010. Integrating research into K-12 classrooms: from molecules to ecosystems. Group Oral Presentation. NSF GK-12 Special Focus Meeting, American Association for the Advancement of Science Annual Meeting, San Diego, CA.
- Pratt JD, KA Mooney.** 2010. Clinal variation in *Artemisia californica* growth rate: implications for herbivore communities and restoration in a changing climate. Poster Presentation. American Association for the Advancement of Science Annual Meeting, San Diego, CA.
- Main M, **JD Pratt.** 2009. Conservation science through SCB chapters. Contributed Workshop. 10<sup>th</sup> Biennial Conference for Research on the Colorado Plateau, Society for Conservation Biology, Flagstaff, AZ.
- Pratt JD.** 2008. Coastal sage scrub and grassland restoration at Upper Newport Bay Ecological Reserve. Oral Presentation. Society for Conservation Biology Annual Meeting, Chattanooga, TN.
- Gleffe JD, JA Collazo, MJ Groom, L Miranda.** 2005. Breeding productivity in shaded coffee plantations: could plantations have served as refugia in Puerto Rico? Oral Presentation. Association for Tropical Biology and Conservation Annual Meeting, Uberlandia, Brazil.
- Gleffe JD.** 2003. Social behavior of captive chimpanzees (*Pan troglodytes*): dominance and mediation. Oral presentation. Student Scholarship Day, Grand Valley State University, Allendale, MI.
- Hunt J, **JD Gleffe, N Cadena.** 2003. Behavior of captive chimpanzees (*Pan troglodytes*) at John Ball Zoo, Grand Rapids, MI. Oral Presentation. Michigan Academy of Sciences Annual Meeting, Holland, MI.

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## GRANTS & FUNDING

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|------|---|
| 2020 | “Transfer to Teaching (T2T): Accelerated STEM Teacher Preparation from Community College to Credential”. NSF Noyce Scholarship Program. J. Pratt (Lead PI), R. Santagata and P. Collins (Co-PIs). \$1,195,722 over 5 years. |
| 2020 | COVID-19 Summer Fund Award. UCI School of Biological Sciences. Awarded to support remote instruction and redesign of laboratory courses. \$1000   |
| 2020 | Course Objectives Alignment Learning Grant (COAL). UCI School of Biological Sciences. Advising Faculty to K. Treseder for Bio 9K. \$500   |
| 2020 | “Voth Family Masters Graduate Student Fellowship Program”. Voth Family Foundation Grant to MCRS Program. J. Pratt and T. Huxman (Co-PIs). \$150,000 for MCRS student fellowships.   |
| 2020 | Faculty Research, Travel and Computing Grant. UCI School of Biological Sciences. \$1900   |

2019	“Voth Family Masters Graduate Student Fellowship Program”. Voth Family Foundation Grant to MCRS Program. J. Pratt and T. Huxman (Co-PIs). \$120,000 for MCRS student fellowships.
2018	“Using the SWIM (Science Writing Integrated Mentoring) Program to increase effectiveness of a course-based undergraduate research experience”. Course-based Undergraduate Research Experiences Network (CUREnet). C. Sorte (Lead PI), N. Aguilar-Roca (Co-PI), and J. Pratt (Co-PI). \$1000.
2018	UC-Irvine School of Biological Sciences Research and Travel Award to attend and present an interactive workshop session at the North America Congress for Conservation Biology. \$1387
2016	UC Carbon Neutrality Initiative. Sustainability Curriculum Workshops, Faculty Leadership Training Award. \$1000
2016	Society for Conservation Biology. \$400 to improve and continue “Conservation Café and Service Series” community education and outreach project
2016	Conference Travel Award for Chapter Members, Society for Conservation Biology (\$300)
2015	Society for Conservation Biology. \$300 for “Conservation Café” community education project
2015	UC-Irvine Green Initiative Fund \$600 awarded for Global Sustainability student poster session
2014	Conference Travel Award for Chapter Members, Society for Conservation Biology (\$300)
2014	UC-Irvine Living Our Values Award (\$1,000)
2013	UC-Irvine Chancellor’s Club Distinguished Fellowship (\$10,000)
2012	UC-Irvine School of Biological Sciences Distinguished Graduate Student Fellowship (\$1,000)
2012	Sigma Xi Scientific Research Society, Grants-in-Aid of Research (\$400)
2011	UC-Irvine Graduate Division, Public Impact Fellowship (\$10,000)
2011	UC-Irvine Graduate Division. Most Promising Future Faculty Award (\$10,000)
2011	Union of Concerned Scientists & Ecological Society of America, Ecoservice Award (\$500)
2011	Rocky Mountain Biological Laboratory Graduate Student Fellowship (\$500)
2011	Lake Forest Garden Club Graduate Student Scholarship (\$1000)
2010- 2013	Environmental Protection Agency – STAR Graduate Fellowship (\$111,000 total over 3 years)
2010	Orange County Assoc. of Environmental Professionals, Graduate Research Scholarship (\$2,500)
2010	Graduate Assistantship in Areas of National Need (GAANN) Fellowship (\$30,000), <i>declined</i>
2010	Target Field Trip Grant to bring 50 7 <sup>th</sup> Grade Life Science students to the Back Bay Science Center (\$500)
2010	Department of Defense, SERDP Travel Grant for Society for Conservation Biology conference (\$700)
2009	Department of Defense, SERDP Travel Grant for Society for Conservation Biology conference (\$500)
2009	Newport Bay Naturalists and Friends, Small Research Grant (\$1,000)
2009	UC-Irvine, School of Biological Sciences, Most Promising First-Year Graduate Student Award
2008	Sonoran Joint Venture Foundation, Conservation Grant in collaboration with OC Society for Conservation Biology (\$9,974)
2008	Newkirk Center for Science and Society, Research Fellowship (\$6,000)
2008	HHMI at UCI Teaching Materials Grant (\$350)
2007	HHMI at UCI Teaching Fellowship Award (\$1,500 for pedagogical training)

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## TEACHING at the University of California, Irvine

### Course Name - description

#### Quarter and Year, (Enrollment, %); notes

Uni Stu 3 – Freshman Seminar; restricted enrollment, variable topics courses open to all majors  
 Winter 2015, “Invasive Species”, (14, 100%); Spring 2017, “Sustainable Living”, (15, 100%)

Bio 6 – Tropical Biology; lower division general education science course  
 Winter 2017 (60, 100%); *designed course from scratch, had not been taught in 10 years*  
 Spring 2018 (56, 100%); Spring 2021 (xx, 100%)

Bio 94 – Organisms to Ecosystems (discussion sections only); core course for Bio Sci majors

Winter 2006, 7 course sections, (average: 30, 100%)

Bio 97 – Genetics (discussion sections only); core course for Bio Sci majors

Fall 2006, 15 course sections, (average: 20, 100%); *also served as course coordinator for two sections of Bio 97 lecture*

Fall 2007, 29 course sections, 6 taught independently, 9 with TA, 14 with lecturer (average: 21, 100%); *also served as course coordinator for two sections of Bio 97 lecture*

Bio 100LW – Experimental Biology Laboratory; core lab and writing course for Bio Sci majors

Spring 2007, 3 course sections, (average: 24, 100%)

Bio 108 – Research Methods; core lab course for CalTeach students (future teachers)

Summer 2017 (15, 100%)

Bio 166L – Field Biology; upper division lab required for Ecology and Evolution majors

Fall 2016 (20, 50%), 2017 (24, 50%), 2018 (23, 50%), 2019 (24, 50%); Spring 2020 (20, 50%; online)

Bio E190 – Conservation in Modern Society; newly developed upper division elective

Summer 2007 (30, 100%); *new course offering*

Bio 191A – Global Sustainability A; 1<sup>st</sup> course in 3-course capstone sequence required for Global Sustainability Minors, cross-listed as Social Ecology 186A and Earth System Science 190A

Fall 2014 (23, 100%); 2015 (40, 100%); 2016 (34, 100%); 2017 (29, 100%); 2018 (29, 100%); 2019 (18, 100%); 2021 (17, 100%)

Bio 191B – Global Sustainability B; 2<sup>nd</sup> course in 3-course capstone sequence required for Global Sustainability Minors, cross-listed as Social Ecology 186B and Earth System Science 190B

Winter 2015 (28, 100%); 2016 (39, 100%); 2017 (33, 100%); 2018 (25, 100%); 2019 (27, 100%); 2020 (18, 100%); 2022 (xx, 100%)

Bio 191CW – Global Sustainability CW; 3<sup>rd</sup> course in 3-course capstone sequence required for Global Sustainability Minors, cross-listed as Social Ecology 186CW and Earth System Science 190CW, fulfills upper-division writing requirement

Spring 2015 (30, 100%); 2016, two sections (average: 22, 100%); 2017, two sections (average: 16, 100%); 2018 (26, 100%); 2019 (25, 100%); 2020 (27, 100%; online); 2021 (xx, 100%, online)

Eco Evo 203B – Conservation and Restoration Science Tutorial; required tutorial/field experiences course in the Masters in Conservation and Restoration Science program

Fall 2017 (3, 50%); Winter 2018 (3, 50%); Fall 2018 (13, 50%); 2019 (14, 50%); 2021 (20, 50%)

Eco Evo 246 – Seminar in Ecology and Evolution Education; graduate seminar/discussion group

Winter 2015, “Writing Teaching and Diversity Statements” (13, 100%)

Spring 2015, “Designing K-12 and/or Public Outreach Projects” (11, 100%)

Spring 2016, “Practices to Support Diversity in STEM” (15, 50%)

Fall 2016, “Course Design” (15, 50%)

Spring 2017, “Mentoring” (17, 50%)

Spring 2018, “Teaching the Whole Student” Reading Group (8, 50%)

Winter 2022, “Social Justice and Trauma Informed Pedagogy”

Eco Evo 264 – Conservation Biology; required graduate course in the new (2017) Masters in Conservation and Restoration Science program

Winter 2018 (4, 100%), *new course offering*; 2019 (15, 100%); 2020 (15, 100%); 2021 *online* (20, 100%); 2022 (22, 100%)

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## **SERVICE at the University of California, Irvine**

- 2021 Committee Member, Academic Senate Task Force on Climate Change  
2021 Organizing Committee, Climate Change Alliance Workshop (planned for April 2022)  
2021 Faculty Lead, Anteatser Parade, School of Biological Sciences  
2020 Hiring Committee, UCI CalTeach & School of Education Teacher Network Facilitator Search  
2019- Committee Member and Contributor, CSU-UC Environmental and Climate Change Literacy Project, Pre-service Teaching Sub-committee  
2018 Hiring Committee Chair, UCI CalTeach Director Search  
2017-2021 Core Faculty, Water UCI Center, School of Social Ecology  
2017- Faculty Mentor, UCI First Generation Initiative  
2017- Faculty Advisor, OC Association of Environmental Professionals, UCI Chapter  
2017- Steering Committee Member, Masters in Conservation and Restoration Science Program, Department of Ecology and Evolutionary Biology at UCI  
2017- Admissions Committee Member, Masters in Conservation and Restoration Science Program, Department of Ecology and Evolutionary Biology at UCI  
2017-2021 Development Committee, Department of Ecology and Evolutionary Biology at UCI  
2017-2019 UC-Irvine Representative, UC-CSU Knowledge Action Network for Transformative Climate and Sustainability Education and Action, a newly formed statewide network; selected from among a UC systemwide applicant pool  
2016- Faculty Advisor, OC Chapter of the Society for Conservation Biology at UCI  
2015-2017 Faculty Leader for Sustainability Curriculum Workshops, UC Global Climate Leadership Council's Faculty Engagement and Education Task Force; selected from among a campuswide applicant pool  
2014- Faculty Co-Director, UC-Irvine CalTeach Program  
2014- Faculty Director, Biology Education Major, School of Biological Sciences  
2014- UC-Irvine Delegate to the Organization for Tropical Studies  
2014-2017 Faculty Co-Lead (with T. Huxman), Development of new self-supporting degree program in the School of Biological Sciences- Masters in Conservation and Restoration Science  
2014-2017 UC-Irvine Faculty Task Force on Sustainability Education  
2009-2017 Ad Hoc Reviewer. Journals: *Oikos* (2), *Conservation Biology* (1), *Functional Ecology* (2), *PLOS ONE* (2); Funding Agencies: Israeli Science Foundation (1); University of Washington, Environmental Stewardship and Sustainability Green Seed Fund Grants (1); Other: Ecological Society of America Service Awards (1)  
2014-2015 Faculty Coordinator, Spring Break in the Desert Service-Learning Program  
2013-2014 Committee Member, UC-Irvine Cal Teach Program Task Force  
2008-2014 Mentor to 17 undergraduate students for >550 total hours of supervised research (BIO 199)  
2010- 2011 Graduate Student Representative, Dept. Ecology & Evolutionary Biology, UC-Irvine  
2010- 2011 Americorps Students In Service Volunteer (300 Hours of Service Completed)  
2007- 2008 Co-Chair, Focus The Nation at UCI Conference Steering Committee

## **SERVICE to the discipline / Societies**

- 2019- Vice President for Education and Chapters (elected, 3-year term), North America Section of the Society for Conservation Biology  
2019- Education Committee Chair, North America Section of the Society for Conservation Biology  
2018- Conference Committee, North America Section of the Society for Conservation Biology  
2016-2018 Invited Contributor, *Next Generation Careers – Innovation in Environmental Biology Education*, a nascent National network collaborative sponsored by the Society for Conservation Biology and the Ecological Society of America  
2014-2016 President, Orange County Chapter, Society for Conservation Biology  
2015-2018 Education Committee Member, North America Section of the Society for Conservation Biology  
2010- 2013 Conference Coordinator, Chapters Advisory Committee, Society for Conservation Biology  
2008-2010 Presenter and Content Developer, Teaching Conservation Science through SCB Chapters  
2006-2012 Orange County Chapter, Society for Conservation Biology. Founding Member (2006) Chapter Vice President (2006-2010), Special Events Coordinator (2010-2012)

## **SERVICE to the community**

- 2019- Chancellor's Club Leadership Council, University of California, Irvine, by invitation
- 2019- Women for American Values and Ethics (WAVE), Environmental Working Action Group Member
- 2018- Amigos De Los Rios, Emerald Necklace / Peck Water Conservation Park, Technical Advisory Committee Member
- 2017-2019 Curriculum Consultant, STEM Teacher Professional Development, Tustin High School (with Hosun Kang, UCI School of Education)
- 2014-2016 Education Committee, Back Bay Science Center
- 2013-2014 Program Coordination Committee Member, Back Bay Science Center
- 2007- 2012 Science Fair Judge, Irvine Unified School District
- 2007 Newport Bay Naturalists and Friends Volunteer Training Program

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## **MENTORING**

### *Graduate Student Committees:*

Daniel Sheng, K. Mooney Lab (2013-2015); Hong Chen, BSEMD Program (2014-2016); Benjamin Schlau, T. Huxman Lab (2014-); Connor Herron, R. Matthews Lab (2016-2020); Nora Davis, D. Stokols Lab (2015-2016); Tera Dornfield, D. Feldman Lab (2014-2019); Jordan Croy, K. Mooney Lab (2018-); Karissa Gallego Lovero, K. Treseder Lab (2019-);

### *High School Student Researchers:*

Ryan Shean, Sage Hill School (2015-2016); Stephanie Cho, Sage Hill School (2014-2015)

### *Undergraduate Researchers:*

*(17 students for ~5500 total hours; <sup>†</sup>Independent research project; <sup>§</sup>Awarded funding)*

Michelle Rastegar (2009-2010), Amanda Thompson <sup>†§</sup> (2009-2010), Laura Ashmore (2009-2010), Deborah Tsai (2010-2011), Dung Tran (2010-2011), Natalie Chau (2010-2011), Nicole Ho <sup>†§</sup> (2010-2011), Rose Chang (2010-2011), Thi Tran (2010-2011), Valerie Chavez (2010-2011), Heros Amerkhanian <sup>†</sup> (2010-2012), Lawrence Liu <sup>†§</sup> (2010-2012), Hong Chen (2010-2012), Lauren Simpson (2011), Andrew Datu (2011-2012), Stephanie Liu (2011-2012), Chelsea Hertler (2011-2013)

- 2019-20 "Increasing Accessibility to Eco-Friendly Products and Developing a Sustainability-Based Curriculum for Young Children". \$500 UCI Undergraduate Research Opportunities Program Award to V.T. Nguyen, A. Lou, C. Vo, and V. Nguyen, with Pratt as Faculty Advisor
- 2019-20 "Assessing Eco-grief in the Environmental Science Classroom". DTEI Teaching as Research Fellowship supervision and collaboration on Eco-grief research which began which began as a "Teaching as Research" project based on curriculum in my Global Sustainability course series. Award to K. Gallego Lovero with Pratt as Mentor

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## **ADDITIONAL TRAINING AND PROFESSIONAL ACTIVITY**

- 2020 Inclusive Excellence Certificate Program. UCI Office of Inclusive Excellence. Completed two required courses and received Inclusive Excellence Certificate.
- 2019 UC-Irvine Active Learning Institute. Division of Teaching Excellence and Innovation. Received Active Learning Certification.
- 2018 Delivering on the UC Promise: Providing Equitable STEM Education Opportunities for California. Third Annual HHMI-UC STEM Faculty Learning Community Conference. UCSB. Participant.
- 2017 Research Methods for future STEM Teachers. Instructor Training, UTeach Program, University of Texas, Austin.



- 2016 Implementing Vision and Change at the University of California. First Annual HHMI-UC STEM Faculty Learning Community Conference. UCR. Participant
- 2016 AB 540 and Undocumented Student Ally Training. UCI Dreamers Resource Center.
- 2015 disAbility Ally Training. UCI Disability Services
- 2014 Improving Conservation Science Curriculum. Workshop Attendee. Society for Conservation Biology.
- 2012 ArcGIS for Ecologists. Workshop. UC-Irvine Department of Ecology & Evolutionary Biology
- 2012 Web-based Database and Decision-Making Tools for Orange County Restoration Planning. Workshop. OC Invasive Plant Management, Nature Reserve of Orange County, Dept. of Fish and Game
- 2012 Ecological Restoration Research in Orange County, CA. Workshop. UC-Irvine Center for Environmental Biology
- 2011 Conservation Genetics. Organization for Tropical Studies, Las Cruces, Costa Rica
- 2009 Digging In, Community-Based Habitat Restoration. Workshop. California Coastal Commission
- 2005 Marine Conservation Biology. Short Course. Society for Conservation Biology, Brasilia, Brazil
- 2004 Tropical Biology Field Course. Organization for Tropical Studies, Costa Rica

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### **PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS**

Society for Conservation Biology  
 Ecological Society of America  
 Society for Ecological Restoration  
 Sigma Xi, The Scientific Research Society  
 Phi Kappa Phi, Academic Honors Society

Beta Beta Beta, National Honors Society for the Biological Sciences  
 IDEA Open Water Scuba Dive Certification  
 Adult and Child CPR and Wilderness First Aid Certification

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