

EDUCATION

University of California, Los Angeles	<i>In Progress</i>
Ph.D. in Ecology and Evolutionary Biology	
University of California, Los Angeles	June 2016
B.S. in Environmental Science with College Honors, Minors in Conservation Biology and Musicology	
GPA: 3.57	
Departmental Honors Thesis: Characterizing the Diets of Big Brown Bats (<i>Eptesicus fuscus</i>)	

RESEARCH EXPERIENCE

Field Technician; California Sea Otter Recovery Project, San Nicholas Island	Feb. 2018; Jan. 2019; Feb. 2020 (<i>exp.</i>)
<ul style="list-style-type: none"> Assisted in determination of black abalone (<i>H. cracherodii</i>) abundance and distribution using SWATH survey methods 	
Field Technician; Dr. Patricia Brown Biological Consulting	Aug. 2016
<ul style="list-style-type: none"> Determined habitat use of Townsend's big-eared bat using VHF radio telemetry and mist netting 	
Field Technician; Santa Monica Bay Restoration Foundation	Sept. 2015 – Jun. 2016
<ul style="list-style-type: none"> Evaluated intertidal community trophic structure and change in abiotic variables during ENSO; Identified marine macroalgae and invertebrates to species using universal point count and swath methods 	
Lab Technician; Laboratory of Robert Wayne, UCLA	Sept. 2014 – Jun. 2016
<ul style="list-style-type: none"> Characterized bat (<i>E. fuscus</i>) diet and wolf and marmot parasitic diversity using Sanger Sequencing Presented at UCLA Undergraduate and UCLA Ecology and Evolutionary Biology poster sessions (2015) 	
Field Technician; Laboratories of Robert Wayne and Debra Shier, UCLA	Jun. 2015 – Jul. 2015
<ul style="list-style-type: none"> Trapped bats (<i>E. fuscus</i>) using mist nets, collected tissue samples, and tracked using VHF Radio Telemetry Processed and collected data on small mammals (<i>Heteromyidae</i>) using Sherman Live Traps and IR cameras 	
UCLA Department of Ecology and Evolutionary Biology	Jan. 2015 – Mar. 2015
Field Biology Quarter in Refugio Bartola, Nicaragua	
<ul style="list-style-type: none"> Recorded behavioral data on orchid bee (<i>Euglossini</i>) resource partitioning Evaluated the impact of selective logging on aquatic invertebrate nymph diversity within ephemeral pools 	

PUBLICATIONS

De Palma-Dow, Angela, and Curti, Joseph . It's a Trap! An Evaluation of Different Passive Trap Types to Effectively Catch and Control the Invasive Red Swamp Crayfish (<i>Procambarus Clarkii</i>) in Streams of the Santa Monica Mountains. Management of Biological Invasions. (<i>In Press</i>)
Sastre N, Francino O, Curti JN , Armenta TC, Fraser DL, et al. (2016) Detection, Prevalence and Phylogenetic Relationships of Demodex spp and further Skin Prostigmata Mites (Acari, Arachnida) in Wild and Domestic Mammals. PLoS ONE 11(11): e0165765. doi: 10.1371/journal.pone.0165765

PRESENTATIONS

Curti, Joseph, De Palma-Dow, Angela, and Fergus, Emi (2019) "It's a Trap! An Evaluation of Different Passive Trap Types to Effectively Catch and Control the Invasive Red Swamp Crayfish (<i>Procambarus Clarkii</i>) in Streams of the Santa Monica Mountains". Poster presented for the 66th Annual Meeting of the Western Section of The Wildlife Society . Yosemite National Park, CA.
Curti, Joseph and Toneva, Denita (2016) "Rocky Intertidal Ecology in Response to Purple Sea Urchin Population Collapse". Poster presented for UCLA Undergraduate Research Poster Day . Los Angeles, CA.
Curti, Joseph (2016) "Designing molecular tools for the characterization of bat diet". Oral presentation for UCLA Environmental Science departmental honors committee and public. Los Angeles, CA
Curti, Joseph and Lee, Michelle (2014) "Effect of Selective Logging of Bromeliad Phytotelma Communities". Poster presented for UCLA Department of Ecology and Evolutionary Biology Annual Research Symposium . Los Angeles, CA.

PEER REVIEW

Ad-Hoc Journal Reviewer, Hydrobiologia

Oct. 2019

GRANTS, SCHOLARSHIPS, & AWARDS

- **Boeing Community Engagement:** \$75,000 Jul. 2019
Project: "Seed to Restoration Nursery Program"
- **California Fire Safe Council:** \$10,906 Jun. 2019
Project: "Firewise Native Plant Sale Following the Woolsey Fire"
- **Metropolitan Water District of Southern California:** \$2,000 Nov. 2018
Project: "Water Quality Monitoring in Crayfish Streams in the Santa Monica Mountains"
- **United States Fish and Wildlife Service:** \$77,866 Oct. 2018
Project: "Invasive crayfish removal from California red-legged frog (*Rana draytonii*) streams in the Malibu Creek watershed"
- **North Face Explore Fund:** \$6,000 Jun. 2018
Project: "Stream Stewards for Clean Creeks"
- **Metropolitan Water District of Southern California:** \$2,000 Dec. 2017
Project: "Bring Back the Streams Program"
- **Glickfeld Family Scholarship:** \$1,000 Dec. 2014
- **Holmes O. Miller Award:** \$1,000 Oct. 2014

PROFESSIONAL EXPERIENCE

Project Manager, National Park Service Santa Monica Mountains Dec. 2017 – present

- Implement North American Bat Monitoring Protocol in SMMNRA; develop guiding documents and SOPs for field technicians; determine ecologically significant sites for long term inventory and monitoring of bats; maintain and develop partnerships with local agencies and private landowners; Developed proficiency with Peterson D500x acoustic recording device and SonoBat software for acoustic keying to species of western bats

Grants and Science Administrator, Mountains Restoration Trust Sep. 2016 – Sep. 2019

- Supervise team of eight field technicians in removal of aquatic invasive species through implementation of field work, mechanical trapping, database management, data QAQC, and report writing; Evaluated project success through physical and chemical water quality monitoring and biological surveying; coordinate with multiple agency partners and granting agencies for research collaborations, billing and invoicing, and permitting; planned and implemented over 50 volunteer events for children ages 12+ and adults; Managed social media presence through multiple platforms; Solicited a total of \$39,000 in donations used for research and programming; Authored successful scientific grants for a total of \$87,866 in new funding; Co-designed and implemented a scientific study on trapping methods for aquatic invasive species that was accepted for publication by a major journal

Lab Manager, Laboratory of Robert Wayne, UCLA Jun. 2016 – Oct. 2016

- Maintained wolf keratinocyte cell lines through media preparation, subculturing, and cryopreserving; Assisted in microsatellite genotyping of mule deer populations in Los Angeles County; Ensured laboratory compliance to safety documents and procedures; Properly disposed of hazardous waste and chemicals; Sourced and purchased laboratory disposables, chemical reagents, and machinery

TEACHING EXPERIENCE

Teaching Assistant; UCLA Institute of the Environment and Sustainability Sep. 2015 – Dec. 2015

- Organized ten-week speaker series on topics in environmental science; lead discussions for 109 students

PROFESSIONAL DEVELOPMENT

- Spring Breeding Bird Identification Workshop, Western Foundation of Vertebrate Zoology Apr. 2019
- The Wildlife Society Conference Feb. 2019
- Field Identification of Invasive Shot-hole Borer Beetles Workshop, UCANR Dec. 2018
- Bat Survey Basics: Combined Survey Techniques Workshop, National Park Service Sep. 2018
- Southwestern Desert Bats Workshop, Maturango Museum Apr. 2018
- La Kretz Conservation Genetics Workshop, Stunt Ranch UC Reserve Feb. 2018
- Western Bat Working Group Annual Meeting, The Wildlife Society Feb. 2018
- Acoustic Data Management Workshop, National Park Service Dec. 2017
- North American Society for Bat Research Conference Oct. 2017

PROFESSIONAL AFFILIATIONS

- Member, Society for Conservation Biology
- Member, The Wildlife Society
- Member, North American Society for Bat Research
- Member, Western Bat Working Group
- Member, Southern California Bat Working Group
- Member, National Society for Collegiate Scholars
- Member, Alpha Lambda Delta & Phi Eta Sigma National Honors Society

SERVICE

- Board Member, Bruin Audubon Society and Birding Club** Oct. 2019 – present
- Assist in marketing and member outreach for weekly birding events; coordinate with local Audubon chapters on programming and fundraising
- Vice President of the Board, Gay Freedom Band of Los Angeles** Dec. 2017 – present
- Direct marketing and promotion for 60-member, multi-national LGBT organization; Assist in preparation of organization strategic planning, financial, and policy documents; Plan and execute artistic concert programming
- Docent, Volunteer Gardener; UCLA Mildred E. Mathias Botanical Garden** Apr. 2014 – Jun. 2016
- Led garden tours and assisted in propagation and maintenance of garden collection using hand tools
- Board Member; Bruin Naturalist Club, UCLA** Jan. 2015 – Jun. 2016
- Organized and lead biological surveys on UC Natural Reserve land focusing on flora and fauna of the Santa Monica Mountains