

EDUCATION

- PhD **University of California, Berkeley** August 2021 – Present
Environmental Science, Policy, & Management
Dissertation: Centering Environmental (In)Justice to Understand the Social-Ecological Impacts of Cities on Wildlife
Advisor: Dr. Christopher J. Schell
- Post-Baccalaureate, University of Cincinnati** February 2021 – July 2021
Department of Biological Sciences
Project: Playbacks as a Tool for Management and Understanding Relationship Dynamics
Advisor: Dr. Elizabeth A. Hobson
- BS **Florida State University** May 2020
Biological Sciences, Minor: Chemistry
Independent Project: The Influence of Microplastics on Fertilization Success and Sperm Availability in Purple Sea Urchins (*Arbacia punctulata*)
Advisor: Dr. Don R. Levitan

PROFESSIONAL APPOINTMENTS

- Field Assistant**, Walters Laboratory, *Hastings Natural History Reservation* August 2020 – December 2020
Wildlife Intern, *Benton Lake National Wildlife Refuge Complex* June 2020 – August 2020
Lab Technician, Levitan Laboratory, *Florida State University* August 2018 – May 2020
Research Technician, Johnson Laboratory, *Florida State University* September 2019 – December 2019
Field Volunteer, Monarch Tagging Project, *St. Francis Wildlife Association* November 2019
Field Technician, Dantzer Laboratory, *Kluane Red Squirrel Project* May 2019 – August 2019
Research Technician, DuVal Laboratory, *Florida State University* January 2018 – May 2018

FELLOWSHIPS & GRANTS total > \$200,000

Research & Outreach Grants

- Oliver B. Lyman Award (**\$3,812**), *UC Berkeley Wildlife & Fisheries Program* 2022
William Simes Research Award (**\$1,000**), *Hastings Natural History Reservation* 2022
Community Fund for Carmel Valley (**\$2,992**), *Monterey County* 2021
Carol Baird Graduate Research Award (**\$25,000**), *University of California* 2021

Fellowships

- Graduate Research Fellowship (**\$102,000 + tuition/fees**), *National Science Foundation* 2023 – 2026
Chancellor's Fellowship for Graduate Study (**\$68,000 + tuition/fees**), *UC Berkeley* 2021 – 2023

Conference Related Grants

- Travel Award (**\$600**), *Ecological Society of America* 2022
ESA Trailblazing in Education Travel Award (**\$500**), *Ecological Society of America Student Section* 2022
Travel Grant (**\$1500**), *UC Berkeley Graduate Division* 2022
Travel Award (**\$1500**), *SEEP Workshop* 2022
Registration Grant (**\$35**), *Urban Wildlife Working Group* 2021

ESA SEEDS Travel Grant (**travel costs + registration**), *Ecological Society of America* 2020

AWARDS & HONORS

Awards

ESA Trailblazing Award in Education, *Ecological Society of America Student Section* 2022
 ESA Trailblazing Award in Diversity & Inclusion, *Ecological Society of America Student Section* 2021
 Princeton EEB Scholar, *Princeton University* 2020
 Charles H. Turner Award, *Animal Behavior Society* 2020

Honors

Dean's List, *Florida State University* Fall 2019, Spring 2020

PUBLICATIONS *equal contribution

Peer Reviewed Journal Articles

Estien, CO, CL O'Connell, X Francis, G Smith-Vidaurre, BM Kluever, EA Hobson, & A van der Marel. Temporary behavioral responses to playbacks by a pest parrot and implications for management. *Animal Behavior & Cognition*. 9(4), 363-384.

Estien, CO, B Quintana, & D Olivares-Zambrano. 2022. Reimagining the Broader Impact Criterion in the NSF Graduate Research Fellowship Program. *Frontiers in Education*. 7: 977836.

Non-Peer Reviewed Journal Articles

Estien, CO, M Chapman, CJ Schell, N Lowy, JR Gerson. 2022. Demystifying the graduate school application process. *Bulletin of the Ecological Society of America*. 00(00):e2029.

Estien, CO*, EB Myron*, CA Oldfield, & A Alwin; Ecological Society of America Student Section. 2021. Virtual Scientific Conferences: Benefits and How to Support Underrepresented Students. *Bulletin of the Ecological Society of America*. 102(2):e01859.

Manuscripts in Review

CO Estien*, EA Carlen*, & CJ Schell. Multi-city case studies reveal the influence of city history and societal inequity on participatory science data. *Ecology & Society (In Review)*

Estien, CO. A More Intimate Ecology: Rethinking the Relationship between the Researcher and the Research(ed). *Catalyst: Feminism, Theory, & Technoscience (In Review)*

Carlen, EA*, **CO Estien***, DJ Perkins, T Caspi, B Goldstein, TD Williams, SES Kreling, Y Hentati, LA Stanton, S Des Roches, R Johnson, A Young, C Cooper, & CJ Schell. The Importance of Considering Societal Inequity in Participatory Science Data. *People & Nature (In Review)*

Cheng, SJ, KM Gaynor, A Moore, K Darragh, **CO Estien**, JW Hammond, C Lawrence, K Mills, M Biaz, D Ignace, L Khadempour, M McCary, MM Rice, SJ Tumber-Davila, & JA Smith. Championing Inclusive Terminology in Ecology and Evolution. *Trends in Ecology & Evolution (In Revision)*

van der Marel, A, X Francis, CL O'Connell, **CO Estien**, C Carminito, & EA Hobson. Perturbations of key individuals trigger shifts in group-level dominance patterns. *Biology Letters (In Review)*
 Preprint: <https://ecoevorxiv.org/9qyb2/>

van der Marel, A, X Francis, CL O'Connell, **CO Estien**, C Carminito, BM Kluever, & EA Hobson. Social manipulations disentangle rank effects of individual characteristics and social history. *Behavioral Ecology (In Revision)*. Preprint: <https://ecoevorxiv.org/rhx6p>

In Prep

Williams, T.D., S. E. S. Kreling, E. A. Carlen, C. E. Wilkinson, L. A. Stanton, **C. O. Estien**, & C. J. Schell. Understanding the Human Social Perceptions of Conspicuous Color Morphs in Wildlife.

Selected Media Articles

- Estien, CO** [Social-Ecological Frameworks and What the Future May Hold](#). *Life in the City: Evolution in an Urbanizing World*. May 26th 2022.
- Estien, CO** [What's Missing in Urban Ecology?](#) *Life in the City: Evolution in an Urbanizing World*. May 10th 2022.
- Estien, CO** [Urban Wildlife Spotlight: The Monk Parakeet](#). *Life in the City: Evolution in an Urbanizing World*. September 4th 2021.
- Estien, CO** [How Do We Begin To Center Environmental Justice?](#) *Life in the City: Evolution in an Urbanizing World*. August 17th 2021.
- Estien, CO** [Incorporating Human Society into Urban Ecology](#). *Life in the City: Evolution in an Urbanizing World*. January 6th 2021
- Estien, CO** [Systemic Racism Shapes Urban Ecology and Evolution](#). *Life in the City: Evolution in an Urbanizing World*. September 8th 2020.

PRESENTATIONS & PANELS *invited***Talks (S = symposia; D = department seminar; T = research talk)***

- Estien, CO**. [A More Intimate Ecology: Reimagining the Relationship between the Researcher and the Research\(ed\)](#). December 2022. Behavior, Ecology, and Evolution (BEE) Seminar Series. *University of Leeds*. (D*)
- Estien, CO**, A. van der Marel, & E. A. Hobson. Playback Responses as a Tool to Understand Relationship Dynamics. July 2022. Social Competence Symposium. *Animal Behavior Society* (S*)
- Estien, CO**. [The Village Makes the Person](#). January 2022. Wildlife & Conservation Biology Seminar Series. *University of California, Berkeley* (D*)
- Estien, CO**. The Influence of Microplastics on Fertilization Success and Sperm Availability in Purple Sea Urchins (*Arbacia punctulata*). October 2020. Princeton Ecology and Evolutionary Biology Scholar Program. *Princeton University* (T)

Posters

- Estien, CO**, L. A. Stanton, C. J. Schell. Mesocarnivore Behavior in a Periurban Gardenscape. May 2022. *SEEP Conference*.
- Estien, CO**, E. B. Myron, C. A. Oldfield, A. Alwin & Ecological Society of America Student Section. Virtual Scientific Conference: Benefits and How to Support Underrepresented Students. August 2021. *Animal Behavior Society Conference*.
- Estien, CO**, K. Olsen, and D. R. Levitan. The Influence of Microplastics on Fertilization Success and Sperm Availability in Purple Sea Urchins (*Arbacia punctulata*). August 2020. *Ecological Society of America Conference*.

Co-Authored Presentations (T = Talk; P = Poster)

- Tumber-Davilla et al. (**including Estien, CO**). Championing Inclusive Terminology in Ecology and Evolution. ESA Inspire Session: Decolonizing and Diversifying Ecology. August 2022. *Ecological Society of America Conference*. (T)
- Stanton, LA, **CO Estien**, JK Young, J Lambert, CJ Schell. The effect of dietary supplementation on the cognitive performance of coyotes. July 2022. *Animal Behavior Society Conference*. (T)

Panels

- *[Africa Diaspora and Intersectionality in Mammalogy Panel](#), *Black Mammalogists* May 2022
 *SEEDS Career Panel, *University of California, Berkeley* April 2022
 *Students Perspective about Diversity in Skill Development (Panel), *ESA Student Section* January 2021
 *Student Research in Ecology and Evolution (Panel), *Syracuse University* November 2021
 *Student Research in Ecology and Evolution (Panel), *Syracuse University* November 2020
 *Opportunities for Summer STEM Research (Panel), *Florida State University* October 2019

TEACHING & MENTORING

Guest Lectures

Race & Environmental Biology, IB 110 (Instructor: Esther Ngumbi; University of Illinois, Urbana-Champaign): guest lecture on how societal inequity and environmental racism influences ecosystems (Fall 2022)

Intro to Methods of Environmental Science, ESPM 100ES (Instructor: Patina Mendez; University of California, Berkeley): guest lecture on building a research question, crafting hypotheses, and preliminary doctoral research (Spring 2022)

Mentorship

- Vishal Subramanyan (UC Berkeley; undergraduate student) April 2022 – Present
 Sarah Smith (FSU; undergraduate student) August 2019 – May 2020

SCIENCE COMMUNICATION & OUTREACH *invited

Science Communication

- Contributor, *Life in the City: Urban Evolution Blog* August 2020 – Present
 #SciQFriday [Guest](#), *Twitter* August 2020

Outreach

- Office Hours for Graduate School, *UC Berkeley: ESPM* November 2022
 *Diversity Forum, *SEEDS Program at ESA Conference 2022* August 2022
 Pride Nightlife Event, *California Academy of Sciences* June 2022
 P.E.N. Outreach Program, *Founder* May 2022
 *Issues in Diversity and Inclusion, *Walters Lab* April 2022
 Real Talk Buddies Mentoring Program, Co-Founder, *University of California, Berkeley* March 2022
 Undergrad-Grad Pipeline, *UC Berkeley: ESPM* February 2022
 *STEM Day (Keynote Speaker for 8th-12th grade), *Metas* November 2021
 Office Hours for Graduate School, *UC Berkeley: ESPM* October 2021
 “Trophic Level Pyramid Activity”, Involvement Fair, *Florida State University* September 2019
 “SustainabiliTEA”, University Housing, *Florida State University* October 2017

ORGANIZED WORKSHOPS *equal contribution

- Quintana, B.*, **CO Estien***, & H Moeller* Think Like a Modeler: A Tutorial on Building Dynamic Ecological Models for Early-Career Ecologists. August 2022. *Ecological Society of America Conference*.

PROFESSIONAL LEADERSHIP

Real Talk Buddies Mentoring Program, Core Organizer, <i>UC Berkeley</i>	March 2022 – Present
Co-Chair, <i>Ecological Society of America: Environmental Justice Section</i>	September 2021 – Present
Outreach & Marketing Coord., <i>Ecological Society of America: Student Section</i>	September 2020 – August 2021
President & Co-founder, <i>FSU Ecological Society of America SEEDS Chapter</i>	January 2019 – May 2020

ACADEMIC & PROFESSIONAL SERVICE

Peer Review

Animal Behavior and Cognition 2022

Award Review

Charles H. Turner Award Reviewer, *Animal Behavior Society* May 2021

Professional Society Service

Symposia/Special Session Reviewer, <i>Ecological Society of America</i>	November 2022
Symposia/Special Session Reviewer, <i>Ecological Society of America</i>	November 2021
EIC for the Bulletin of ESA Search Committee, <i>Ecological Society of America</i>	May 2021 – October 2021
Abstract Reviewer, <i>Ecological Society of America</i>	March 2021

Department/University Service

Undergrad Outreach, *Graduate Diversity Council, UC Berkeley* August 2021 – May 2022

TRAINING / SKILLS

Computer Software: RStudio, Raven Sound, VLC media player, ImageJ, ARCGIS Pro, ArcGIS Collector on iPad, ArcPad 10, BORIS, Microsoft Word, Microsoft PowerPoint, Adobe Illustrator, Microsoft Excel, Microsoft Access, Movie Studio Platinum 13.0 Some experience with: Netlogo, Ecos Database

Animals Handling and Care: Palping and collaring of small mammals, Mist-netting and avian extraction, Adult and juvenile avian handling (measurements), Identification of stress behavior and attitude

Field Work: Live trapping, Telemetry, Tree climbing, GPS use/navigation, Working in bear country, Working alone in remote backcountry in northern latitudes, Proficient at navigating in backcountry environments and bushwhacking, Hiking 10-15km per day, Trimble/Garmin, Recognize and conduct behavioral observations on uniquely marked individuals (e.g., ear tags w/ color combination, avian color bands), Use of scope and binoculars for avian surveys and re-sighting color bands, Plant surveying (DBH tape use, invasive plant survey), Avian nest-searching, Camera-Traps, ATV/Mules, Marantz

Laboratory Work: Preparation of solutions, Microscopes, Dissections, Autoclave, Data Entry, Database Management, Hemocytometer Use, Growth and maintenance of algae, Preparation of sediment, water, and avian eggs for selenium testing, Some experience with: Inducing spawning in Sea Urchins, Use of microsattellites, DNA extraction