

## EDUCATION

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- PhD **University of California, Berkeley** August 2021 – Present  
Environmental Science, Policy, & Management  
**Dissertation:** TBD  
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

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- 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

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### 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

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### Awards

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

### Honors

Dean's List, <i>Florida State University</i>	Fall 2019, Spring 2020
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## PUBLICATIONS \*equal contribution

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### Peer Reviewed Journal Articles

- Estien, C. O.**, C. L. O'Connell, X. Francis, G. Smith-Vidaurre, B. M. Kluever, E. A. Hobson, & A. van der Marel. Temporary behavioral responses to playbacks by a pest parrot and implications for management. *Coming November 2022 in Animal Behavior & Cognition (Accepted)*. Preprint: <https://ecoevorxiv.org/u8nkm/>
- Estien, C. O.**, B. Quintana, & D. Olivares-Zambrano. 2022. Reimagining the Broader Impact Criterion in the NSF Graduate Research Fellowship Program. *Frontiers in Education*. 7: 977836. <https://doi.org/10.3389/feduc.2022.977836>

### Non-Peer Reviewed Journal Articles

- Estien, C.O.**, Chapman, M., Schell, C.J., Lowy, N., & Gerson, J. R. 2022. Demystifying the graduate school process. *Bulletin of the Ecological Society of America*. <https://doi.org/10.1002/bes2.2029>
- Estien, C. O.\***, E. B. Myron\*, C. A. 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. <https://doi.org/10.1002/bes2.1859>

### Manuscripts in Review

- Estien, C. O.** A More Intimate Ecology: Rethinking the Relationship between the Researcher and the Research(ed).
- Carlen, E. A\*, **C. O. Estien\***, D. J. Perkins, T. Caspi, B. Goldstein, T. D. Williams, S. E. S. Kreling, Y. Hentati, L.A. Stanton, S. Des Roches, R. Johnson, A. Young, C. Cooper, & C. J. Schell. The Importance of Considering Societal Inequity in Participatory Science Data.
- Cheng, S. J., K. M. Gaynor, A. Moore, K. Darragh, **C. O. Estien**, J. W. Hammond, C. Lawrence, K. Mills, M. Biaz, D. Ignace, L. Khadempour, M. McCary, M. M. Rice, S. J. Tumber-Davila, & J. A. Smith. Championing Inclusive Terminology in Ecology and Evolution.
- van der Marel, A., X. Francis, C. L. O'Connell, **C. O. Estien**, C. Carminito, & E. A. Hobson. Perturbations of key individuals trigger shifts in group-level dominance patterns. Preprint: <https://ecoevorxiv.org/9qyb2/>
- van der Marel, A., X. Francis, C. L. O'Connell, **C. O. Estien**, C. Carminito, B.M. Kluever, & E. A. 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, C. O.** [Social-Ecological Frameworks and What the Future May Hold](#). *Life in the City: Evolution in an Urbanizing World*. May 26<sup>th</sup> 2022.
- Estien, C. O.** [What's Missing in Urban Ecology?](#) *Life in the City: Evolution in an Urbanizing World*. May 10<sup>th</sup> 2022.
- Estien, C. O.** [Urban Wildlife Spotlight: The Monk Parakeet](#). *Life in the City: Evolution in an Urbanizing World*. September 4<sup>th</sup> 2021.
- Estien, C. O.** [How Do We Begin To Center Environmental Justice?](#) *Life in the City: Evolution in an Urbanizing World*. August 17<sup>th</sup> 2021.
- Estien, C. O.** [Incorporating Human Society into Urban Ecology](#). *Life in the City: Evolution in an Urbanizing World*. January 6<sup>th</sup> 2021
- Estien, C. O.** [Systemic Racism Shapes Urban Ecology and Evolution](#). *Life in the City: Evolution in an Urbanizing World*. September 8<sup>th</sup> 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. *University of California, Berkeley Wildlife & Conservation Biology Seminar Series (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*. (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, C.O.**). Championing Inclusive Terminology in Ecology and Evolution. ESA Inspire Session: Decolonizing and Diversifying Ecology. August 2022. *Ecological Society of America Conference*. (T)
- Stanton, L.A., **Estien, C. O.**, Young, J. K., Lambert, J., Schell, C.J. The effect of dietary supplementation on the cognitive performance of coyotes. July 2022. *Animal Behavior Society Conference*. (T)

Panels

- \*[Black Mammalogist Intersectionality 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**

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Guest Lectures

- Race & Environmental Biology, IB 110** (Instructor: Esther Ngumbi; University of Illinois – 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

- Sarah Smith (FSU; undergraduate student) August 2019 – May 2020

**SCIENCE COMMUNICATION & OUTREACH** \*invited

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Science Communication

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

Outreach

- \*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 8<sup>th</sup>-12<sup>th</sup> 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

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

**PROFESSIONAL LEADERSHIP**

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- Real Talk Buddies Mentoring Program, Core Organizer, *UC Berkeley* March 2022 – Present
- Co-Chair, *Ecological Society of America: Environmental Justice Section* September 2021 – Present

Outreach & Marketing Coord., *Ecological Society of America: Student Section* September 2020 – August 2021  
 President & Co-founder, *FSU Ecological Society of America SEEDS Chapter* January 2019 – May 2020

## ACADEMIC & PROFESSIONAL SERVICE

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### Peer Review

Animal Behavior and Cognition

### Award Review

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

### Professional Society Service

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

### Department/University Service

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

## TRAINING / SKILLS

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*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 microsatellites, DNA extraction