

PHOEBE PARKER-SHAMES

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EDUCATION

University of California Berkeley – Department of Environmental Science, Policy, and Management Berkeley, CA.
PhD candidate in Dr. Justin Brashares' Lab. **Started Aug 2016, Expected Graduation 2021**

Colorado College, Colorado Springs, CO. BA in Biology (Ecology and Evolution Track) **May 2013**

GPA: 3.9 magna cum laude

Study Abroad: ACM Costa Rica (2012) independent field research. SFS Kenya/Tanzania (2011) wildlife management.

Tropical Ecology in Belize with CC (2013)

PUBLICATIONS & PRESENTATIONS

Parker-Shames, P., Butsic V., & Brashares, J. **Cannabis Land Use Change and its Potential Consequences**. Presented preliminary results from cannabis land use change at The Western Section of the Wildlife Society in Fish Camp, CA 2019.

Wilkinson, C. et al. 2019 **An Ecological Framework for Contextualizing Carnivore-livestock Conflict**. *Conservation Biology* (Accepted) Co-author on paper proposing a framework to understand human-wildlife conflict in the context of ecological interactions to better meet management needs.

Parker-Shames, P., Butsic V., & Brashares, J. **Cannabis: The Newest Western Frontier**. Poster presentation of preliminary results from cannabis land use configuration at The Wildlife Society Annual Conference in Cleveland 2018.

Parker-Shames, P. & B. Rodriguez-Herrera. 2013. **Maximum Weight Capacity of Leaves Used by Tent-Roosting Bats: Implications for Social Structure**. *Chiroptera Neotropical* 19(3): 36-43. Used a CC grant to present results orally at North American Society for Bat Research 42nd Annual Symposium on Bat Research. San Juan, Puerto Rico (2012).

SELECTED RESEARCH EXPERIENCE

Guppy Project Intern, Trinidad, West Indies, with Dr. David Reznick and University of California Riverside.
July-Sep 2015. Conducted aquatic mark-recapture fieldwork for demography and evolution project.

Mara Hyena Project Lab Technician, Michigan State University, East Lansing, MI with Dr. Kay Holekamp.
March-May 2015. Coded, error-checked and entered decades of field data into Access database. Assisted Lab Manager and student and graduated researchers, organized samples, etc. Attended lab meetings, departmental lectures.

Golden Gate Raptor Observatory Research Intern, Golden Gate National Recreational Area, CA with Coordinators Dr. Chris Briggs, Allen Fish, and Laura Young.

July 2014-Jan 2015. Participated in Hawkwatch and Banding Programs to identify, count, trap, and band migrating raptors. Duties: volunteer coordination/education, public outreach, lure bird care, data entry, administrative tasks. Side project on avian blood smears presented at the Raptor Research Conference in 2015. **Returned as a volunteer Aug 2016**.

Mara Hyena Project Research Assistant, Maasai Mara National Reserve, Kenya with Dr. Kay Holekamp.
July 2013-Jun 2014. Managed camp equipment/vehicles and large (6-10+) staff, collected daily demographic and behavioral data on spotted hyenas (*Crocuta crocuta*), local carnivore/prey transects, assisted in immobilizations, radio tracked hyenas, processed samples, and presented lectures to local tourists, students, and community groups.

Flammulated Owl (*Otus flammeolus*) Intern, Manitou Experimental Forest, CO with Dr. Brian Linkart.
Jun-Aug 2012. Caught, banded, bled, measured adult and nestling owls, surveyed cavity trees, used play-backs, assessed territory boundary songposting, entered data, and conducted habitat vegetation surveys.

SELECTED ACADEMIC RESEARCH PROJECTS

- Dec 2016** **A Review of the Trait-Based Approach for Inferring Tolerance to Urbanization: A Report for SFEI Re-Oaking Project** in Advanced Topics in Conservation Biology with Dr. Claire Kremen (UCB). Co-written for the San Francisco Estuary Institute. Literature review, annotated bibliography, and case study.
- Oct 2011** **Effects of a Gravel Road on Wetland Ecology** in Biostatistics with Dr. Jim Ebersole (CC). Studied gradient of human impact on environmental variables and insect density/morphospecies richness.
- May 2010** **Assessment of Large Mammal Populations and Resource Utilization of Manyara Ranch**, Kwakuchinja Wildlife Corridor, Tanzania in Directed Research with Dr. Frank Mawi and Dr. Bernard Kissui (SFS). Month-long small group project. Conducted first large mammal assessment of a new reserve and compared to pre-reserve densities. Presented findings to local researchers, community leaders.
- Mar 2010** **Monitoring the Health of Amboseli National Park, Kenya: The Total Count** with Dr. Shem Mwasi and Kenya Wildlife Services (SFS). Participated in annual total large mammal count of Amboseli NP.
- Mar 2010** **Human-Wildlife Conflict in Isinet: an Analysis of Problems and Proposed Corridor** in Environmental Policy with Dr. Salaton Tome (SFS). Interviews with local farmers and herders on wildlife conflicts.
- Oct 2009** **Elk Herbivory in Hunting and No-Hunting Zones of Mueller State Park, CO** for Ecology with Dr. Marc Snyder (CC). Two week pilot to assess indirect impact of human hunters and natural predators on aspen.

OUTREACH, EDUCATION, AND COMMUNICATION

- Cannabis Research Center at Berkeley 2018-present.** Member of funded research institute composed of faculty, graduate students, and professionals that study cannabis and the environment.
- GGRO Volunteer 2016-present.** Volunteer with Hawkwatch and Banding Programs (see research experience).
- Graduate Student Association Representative and Political Liaison, Berkeley, CA. 2016-2017.** Elected to departmental graduate student governing body. Attended meetings and voted on GSA actions. Elected by GSA as co-political liaison to coordinate community actions more broadly. Published a bi-weekly ESPM Action Bulletin distributed to the department.
- Uncle Foods Kitchen, Ashland, OR. 2015-2016.** Prepared and served community meals.
- Klamath Bird Observatory, Ashland, OR. Spring 2016.** Assisted with GIS habitat mapping, then with bird banding.
- Learning Assistant for Biostatistics and Experimental Design, Colorado College, Colorado Springs, CO. Oct 2012.** Helped students with computer and field labs, taught homework and review sessions before tests.
- Editor & writer, CC Cipher magazine and CC Catalyst Newspaper, Colorado Springs, CO. 2010-2013.** Wrote, edited, managed writers, kept a news beat, took photos, drew illustrations, laid out pages for weekly student newspaper and monthly student creative nonfiction news magazine.

SKILLS

Computer: R, Google Earth, ArcGIS, Microsoft Word, Excel, Photoshop, Adobe InDesign, R Studio, GitHub.

Selected Field Equipment and Procedures

Equipment: GPS, binoculars/scope, mist net for birds and bats. Ability to drive manual off-road 4-wheel drive vehicles.

Procedures: Bird banding, bleeding, and measurement. Radio telemetry. Camera trap monitoring. Assistance darting, immobilizing and collaring large mammals. Basic small mammal trapping. Collection and processing of blood/fecal/bacterial samples, blood smears.

Other: Wildlife photography, NOLS Wilderness First Aid Certified (2018). **Languages:** Advanced Spanish

HONORS

Carol Baird Award to support Graduate Field Research (UCB)	2019
Oliver Lyman Wildlife Award for Summer Research (UCB)	2017, 2018
National Science Foundation Graduate Research Fellowship (NSF GRFP) recipient	2016
Phi Beta Kappa honors society	2013
Honors in Biology and Emerson Award in Conservation Biology (awarded by CC Biology Department)	2013
Merit Trustee Scholarship from Colorado College	2009-2013