

Ellen D. Dyer, PhD Student

Department of Anthropology
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EDUCATION

University of New Mexico PhD Student Department of Anthropology Evolutionary Anthropology Subfield Advisor: Dr. Melissa Emery-Thompson	Albuquerque, NM 2021- <i>present</i>
The University of California, Davis Bachelor of Science, Wildlife, Fish, and Conservation Biology; Music minor	Davis, CA 2015-2020

RELEVANT COURSEWORK

Wildlife Ecology; Conservation Biology; Primate Conservation Biology; Animal Behavior; Sampling Animal Populations; Physiological Ecology of Wildlife; Tropical Ecology; Climate Change Ecology; Biology and Conservation of Wild Birds with Lab; Herpetology with Lab; Biology and Conservation of Fishes; Field Methods in Wildlife, Fish, and Conservation Biology

RESEARCH INTERESTS

Primate behavioral ecology, collective animal behavior, evolution of sociality, fission-fusion social dynamics, endocrinology, social network analysis

RESEARCH AND FIELD EXPERIENCE

Undergraduate Researcher , Crofoot Laboratory Department of Anthropology, UC Davis <i>Advisors: Dr. Margaret C. Crofoot, Grace H. Davis</i> <ul style="list-style-type: none">• Worked closely with a graduate student in the lab to develop an independent research project; presented at several conferences• Attended weekly lab meetings to discuss ongoing lab projects and personal research• Assisted lab members with research projects	2018-2020
Refuge Volunteer Biologist , US Fish and Wildlife Service Mattamuskeet National Wildlife Refuge <i>Advisor: Wendy Stanton, Refuge Biologist</i>	Dec 2019-Jan 2020

- Assisted biological technicians with field tasks, including monitoring abiotic and biotic components of lake and wetland ecosystems and bird surveys
- Worked in refuge Visitor Contact Station, providing opportunities for the public to learn about the refuge and its wildlife and habitats

Field Assistant, Patricelli Laboratory

Department of Evolution and Ecology, UC Davis

March-June 2019

Advisors: Dr. Gail Patricelli, Alicia Bird

- Worked with a graduate student on a research project studying the impacts of noise pollution on tree swallows (*Tachycineta bicolor*)
- Trapped and handled live animals to measure, band, and take blood samples from adult and nestling birds
- Field tasks including performing behavioral observations, monitoring nest boxes, and setting up field equipment (car batteries, speakers, cameras, etc.).

Field Assistant, Smithsonian Tropical Research Institute

March-June 2018

Barro Colorado Island, Panama

Advisors: Dr. Margaret C. Crofoot, Grace H. Davis

- Collected data on a habituated group of spider monkeys (*Ateles geoffroyi*) on BCI alongside other project scientists
- Followed monkeys on foot for 9-10 hours a day, 5-6 days a week, to obtain movement and decision-making data in addition to fruit, fecal, and urine samples
- Developed and designed an independent research project exploring social networks, learning various analytical techniques (SNA, permutation tests) to analyze field data

Research Assistant, Hummingbird Health and Conservation Laboratory

2016-2018

UC Davis School of Veterinary Medicine

Advisors: Dr. Lisa A. Tell, Dr. Ruta Bandivadekar

- Part of a multi-disciplinary research team focused on establishing normal health parameters, identifying disease risks, and helping maintain healthy hummingbird populations in California
- Traveled to field sites across California throughout the year to assist researchers with fieldwork. Trapped and handled live animals during banding sessions. Collected data on hummingbird sightings and behavior via continuous sampling at various established feeder sites.
- Learned to identify California hummingbird species to ID in the field and specimen sent to the lab
- Managed RFID data through an online banding database
- Assisted veterinary students in the Student Training in Advanced Research (STAR) Program with biomedical research during the summer months, learning lab techniques such as DNA extraction and Polymerase Chain Reaction testing

HONORS AND AWARDS

- 2021 **Graduate Research Fellowship, National Science Foundation** (\$138,000)
- 2021 **University of New Mexico Office of Graduate Studies,
Diversity & Distinction Scholarship** (\$10,000)
- 2020 **Explorers Club Rising Explorer Grant** (\$2,500)
- 2019 **The Animal Behavior Society Charles H. Turner Award**

TEACHING EXPERIENCE

**Department of Anthropology, University of New Mexico
Teaching/Graduate Assistant** (Fall 2021 – Present)

Primate Social Behavior (ANTH 363)

- Assisted Professor Melissa Emery-Thompson, PhD, in teaching and grading materials submitted by undergraduate students in the Fall semester course
- Held office hours to advise students and answer course questions

PRESENTATIONS AND INVITED SEMINARS

UC Davis Undergraduate Research Conference, 2019

Poster, “*Social Networks and Association Rates between Ateles geoffroyi on Barro Colorado Island, Panama.*”

Co-authors: Margaret C. Crofoot, Grace H. Davis

SACNAS National Diversity in STEM Conference, 2018

Poster, “*Social Networks and Association Rates between Ateles geoffroyi on Barro Colorado Island, Panama.*”

Co-authors: Margaret C. Crofoot, Grace H. Davis

Smithsonian Tropical Research Institute: BCI

Seminar, “*Social Networks and Association Rates between Ateles geoffroyi on Barro Colorado Island, Panama.*”

Co-authors: Margaret C. Crofoot, Grace H. Davis

UC Davis School of Veterinary Medicine STARS in Science Presentation, 2017

Poster, “*Prevalence of Haemoproteus spp. Infections in blood samples from Allen’s hummingbirds (Selasphorus sasin)*”

Co-authors: Miriam K. Lee, Andrew C. Bradshaw, Tracy Drazenovich, Janet E. Foley, Ravinder N.M. Sehgal, Lisa A. Tell

PROFESSIONAL AFFILIATIONS

The Animal Behavior Society, 2018-Present
Student Member

CAREER EXPERIENCE

2015-2021 Nanny
2018-2020 ASUCD Coffee House Out-Front Student Manager (Davis, CA)
2016-2018 ASUCD Coffee House Out-Front Supervisor (Davis, CA)
2014-2018 Private Tutor (K-12 math, science, language arts)
2015-2016 Gan Gani Preschool Substitute Teacher (San Antonio, TX)

LEADERSHIP

2019-2020 ASUCD Coffee House New Employee Diversity Training
2018-2020 KDVS DAVIS Disc Jockey
2018 UC Davis Mental Health Conference panelist
2015-2017 UC Davis Symphony Orchestra – cellist

SKILLS

Language: Native Spanish (speaking, reading, writing)

Computer: R, RStudio, Microsoft Office, Zoom, iMovie

Other: advanced radio and satellite telemetry skills; bird banding; handling wild birds; DNA extraction and Polymerase Chain Reaction testing

OTHER

Advanced guitar and cello
United States and Mexican Citizenship