

Ketki Samel

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EDUCATION

Ph.D., Ecology and Evolutionary Biology, University of Connecticut, Storrs (2021–present)

Advisor: Prof. Chris S. Elphick

B.A., Integrative Biology, University of California, Berkeley (2016–2020)

Emphasis in Ecology, Evolution and Organismal Biology — GPA: 3.67/4.0

Relevant courses: Evolution; Animal behavior; Ornithology; Biodiversity; Wildlife ecology; Data science

RESEARCH INTERESTS

Community ecology • Ornithology • Species interactions • Anthropogenic change • Behavioral ecology • Natural history • Science communication • Evidence-based conservation • Biodiversity collections • Community science

HONORS AND FELLOWSHIPS

Harriott Fellowship (\$100,000), University of Connecticut (2021-26)

Team-TERRA Research Traineeship (\$34,000), National Science Foundation (2022-23)

Honorable Mention - Graduate Research Fellowship Program, National Science Foundation (2021)

RESEARCH EXPERIENCE

Mouse Husbandry Technician, Nachman Lab, Museum of Vertebrate Zoology, UC Berkeley (2020–2021)

- Maintain long-term colonies of wild-caught *Mus musculus* for evolutionary genetics research

Supervisor: Prof. Michael Nachman

Undergraduate Researcher, UC Berkeley (2020)

- Evaluate the impact of decreased human presence due to COVID-19 on local birds

Advisor: Prof. Rauri Bowie

Research Assistant, Lacey Lab, Museum of Vertebrate Zoology, UC Berkeley (2019–2020)

- Compare behavioral responses to environmental change in chipmunks (*Tamias alpinus*, *T. speciosus*)

Advisors: Kwasi Wrensford; Prof. Eileen Lacey

PRESENTATIONS

Samel, Ketki, 2020. “Impacts of Reduced Human Presence on an Urban Avian Community,” Research Reviews in Animal Behavior (IB C204), UC Berkeley.

FIELDWORK

Bird point count surveys: 14 days, UC Berkeley, Alameda County, CA (2020)

Chipmunk trapping & behavioral assays: 59 days, Mono and Inyo counties, CA (2019-20)

TEACHING

TA, EEB 3201 (Animal Behavior): University of Connecticut, with Prof. Sarah Knutie (2021)

Undergraduate TA, IB 104LF (Natural History of the Vertebrates): UC Berkeley, with Profs. Rauri Bowie, Jim McGuire, and Alan Shabel (2021)

Content Collaborator, IB 11 (California Natural History): UC Berkeley, with Prof. Alan Shabel (2020)

COMMUNITY INVOLVEMENT

Editor, At the Roots blog (2020-2021)

Education Facilitator, The Lawrence Hall of Science, UC Berkeley (2017–2020)

Curatorial Photography Assistant, Museum of Vertebrate Zoology, UC Berkeley (2019)

Supervisor: Dr. Carla Cicero

Specimen Preparation Lab Assistant, Museum of Vertebrate Zoology, UC Berkeley (2019)

Managing Editor, The Daily Californian (2018)

Night Editor, The Daily Californian (2017–2018)

SKILLS

Fieldwork: Wildlife surveys (point counts); Live animal trapping (Sherman traps); Animal handling (rodents, passerines, and reptiles); Vertebrate dissection and tissue sampling

Data Analysis: R; Python; Behavioral Observation Research Interactive Software (BORIS)

Other: DSLR photography; Editing and proofreading

Languages: English (fluent); Spanish (proficient); Marathi (conversational)