

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 (2020)

RESEARCH INTERESTS

- Characterizing anthropogenic impacts on avian communities
- Testing behavioral adaptations to widespread change
- Applying quantitative models to conservation efforts
- Incorporating community-science tools and museum collections into long-term studies

PRESENTATIONS

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

AWARDS, HONORS, AND FELLOWSHIPS

Harriott Fellowship, University of Connecticut (2021-26)

Team-TERRA Research Traineeship, University of Connecticut (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

FIELDWORK

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

Small mammal trapping: 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)

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

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

Multimedia Content Producer, The Lawrence At Home, UC Berkeley (2020)

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

Managing Editor, The Daily Californian (2018)

Night Editor, The Daily Californian (2017–2018)

SKILLS

Fieldwork: Point count surveys (birds); Small mammal trapping (Sherman traps) and handling; Dissection and tissue sampling

Data Analysis: R; Python; BORIS

Other: DSLR photography; Copy editing

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