A postdoctoral position is available with the Grinnell Resurvey Project under the direction of Professor Steve Beissinger at UC Berkeley in the Museum of Vertebrate Zoology (MVZ). This project is funded by NSF to model the effects of climate and land-use change on birds in California at sites originally visited by Joseph Grinnell and colleagues in the early 20th century.

This position will require implementation of multispecies occupancy models and methods for forecasting the impacts of future climate and land-use change. Candidates should have experience analyzing large ecological data sets including occupancy modeling, land-use change and climate with methods implemented in Bayesian frameworks using Markov chain Monte Carlo simulation, or with machine-learning methods.

The ideal candidate will have the following qualifications:
- A doctoral degree in a relevant subject with a strong record of scientific publications
- Experience in Bayesian and high performance computing (e.g. JAGS, NIMBLE, STAN, cloud computing)
- Advanced knowledge of R and additional programming languages
- Skills in spatial modeling and GIS
- Demonstrated ability to learn and implement new quantitative approaches and think creatively about connections between birds, places, and people
- Ability to work both independently and as part of a team
- Familiarity with birds and/or mammals of North America

This position is based at UC Berkeley and includes competitive salary and health benefits. It is a full-time, 12-month, fixed-term position, with possible reappointment for a second year conditional on satisfactory performance and funding. The applicant would start no later September 2020.

Review of applications will be rolling and will continue until the position is filled. Interested candidates should send (1) an email describing their research interests and qualifications along with (2) a CV, (3) representative publications, and (4) contact information for two references to Steve Beissinger: beis@berkeley.edu.