



## **Job Announcement: Spatial Ecologist**

Pay Rate: Competitive, depending on experience and qualifications

Funding: 18 months secure with intention to extend

Hours/Benefits: Full time with competitive benefits

Application deadline: March 15, 2010 or until filled

### Major Duties/Responsibilities:

Design and implement conservation science projects that use spatial analyses and modeling to describe and understand the ecological impacts of rapid environmental change and generate management recommendations for protecting or restoring ecosystems. Lead the development of new projects and fundraising efforts to support these activities. Lead peer-reviewed publications, present PRBO research results at scientific meetings and to PRBO partners.

This work will align closely with the priorities of PRBO partners and will require close collaboration with state and federal agencies, other conservation NGOs, policy makers, and private landowners.

Reports to Informatics Division Director and collaborates with all of PRBO's divisions (Marine, Terrestrial, Wetland, and Education & Outreach) and initiatives (California Current, Central Valley, Climate Change, San Francisco Bay and Central Coast, and Sierra Nevada).

### Qualifications Required:

- PhD or equivalent
- 5-10 years professional experience in ecology, conservation biology or closely related field
- Excellent communication and collaboration skills
- Solid scientific publication and fundraising record
- Advanced statistical expertise, including interdisciplinary applications of spatial statistics, spatial modeling, uncertainty analysis, risk analysis, prioritization and optimization decision theory
- Understanding of and experience with the application of modeling to assessing potential impacts of climate change
- Extensive experience with GIS and analytic software, preferably including ArcGIS and R
- Project management experience

### Qualifications Desired:

- Experience analyzing ecological implications of IPCC climate scenarios; familiarity with global climate models, and climate model downscaling techniques and products.
- Avian ecological expertise

### Pay Rate, Benefits, Working Conditions and Funding

Salary is competitive, reflecting qualifications and experience. PRBO offers a 401(k) plan with employer match contribution, 100% health care coverage, full dental care, and partial coverage of dependents including domestic partners. PRBO headquarters in Petaluma, California, will be the base location for the successful candidate. This position will require moderate travel (mostly in San Francisco / Sacramento area) and involve some weekends and evenings. Funding is secured for 18 months from start date; extended employment may be possible based on successful fundraising and employee's performance.

### To Apply

E-mail: (1) cover letter describing qualifications for this position and interest in PRBO, (2) complete CV/resume, and (3) contact information (including phone numbers and e-mail addresses) for 3 references to Dr. Grant Ballard (gballard@prbo.org) with "**Spatial Ecologist**" in the subject line. Applicants may be subject to background checks. Application deadline is March 15, 2010; the position will remain open until a successful candidate has been identified. PRBO is an Equal Opportunity Employer.

### PRBO Background

PRBO Conservation Science (PRBO) advances conservation through scientific research on birds and ecosystems. PRBO is a rapidly growing, non-profit organization with expertise in avian ecology, population biology, spatial ecology, ecosystem science, ecological modeling, conservation applications (including endangered species recovery, land and ocean management, ecological restoration, inventory and monitoring, and policy), and public education. PRBO plays a lead role regionally, nationally, and internationally in applying science to address critical conservation issues. For additional information, see [www.prbo.org](http://www.prbo.org).

PRBO will focus its work over the next 5-10 years on the effects of environmental change (e.g., climate change, habitat change, food-web change) on birds and ecosystems, using long-term data, quantitative analyses, and modeling to develop science-based solutions to address urgent environmental challenges.