

## **Postdoctoral position available investigating noise impacts on greater sage grouse**

### **Department of Evolution and Ecology, UC Davis**

A postdoctoral position is available for an ongoing research project in the lab of Dr. Gail Patricelli (UC Davis) addressing the potential impacts of noise from energy development on lekking greater sage-grouse (*Centrocercus urophasianus*). The larger project has involved extensive noise monitoring of energy sources in deep natural gas and coal bed methane development areas, as well as an experiment introducing both drilling and road noise onto leks in an undeveloped area:

[http://www2.eve.ucdavis.edu/gpatricelli/Patricelli\\_Research\\_Interests.html](http://www2.eve.ucdavis.edu/gpatricelli/Patricelli_Research_Interests.html)

We are seeking a postdoctoral researcher to integrate these noise measurements into a spatially-explicit, landscape-level model that will serve as a tool for researchers and wildlife managers to predict noise effects on grouse in present and future development areas. The postdoctoral researcher will evaluate the suitability of existing terrestrial noise models, and adapt one of the models for this project. Some processing of noise measurements and audio recordings will be involved. The postdoctoral researcher will also prepare results of the analysis for publication, and work with public agencies to disseminate information about the model and results. The position will be based at University of California, Davis with funding for salary and benefits available for one year, with the possibility of seeking additional funds for continuation of this or a related project.

**Qualifications:** Applicants must have relevant Ph.D. experience in ecology, bioacoustics, conservation biology, sound modeling, or a related field. Proficiency in GIS, good data management skills and excellent communication skills are essential. Prior experience with noise modeling is highly desirable, but not critical.

**To apply:** Send the following information in electronic form to Gail Patricelli [gpatricelli@ucdavis.edu](mailto:gpatricelli@ucdavis.edu): cover letter, CV, and names and contact information for three references. Review of applications will begin immediately and continue until the position has been filled. Funding is available to begin immediately, but the start date is negotiable.

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