

## **POST-DOCTORAL FELLOW**

The Alabama Cooperative Wildlife Research Unit at Auburn University, Auburn Alabama is seeking a post-doctoral researcher to develop decision support models to evaluate conservation strategies under competing models of climate change and response by aquatic and terrestrial wildlife populations at multiple scales. Successful completion of the initial phases of this project will result in the completion of a framework for using Adaptive Management (AM) and the principles of Strategic Habitat Conservation (SHC) to address the potential impacts of climate change on terrestrial and aquatic species in the southeastern United States.

### **Qualifications:**

The minimum qualification is a PhD from an accredited institution in wildlife biology, conservation biology, ecology, biometrics, economics, or a related field. Applicant will be evaluated on their knowledge of the primary literature on climate change and experience and abilities in the 3 primary areas of quantitative expertise used in structured decision making: modeling, estimation, and optimization. Applicant must be proficient in at least one of these areas. Strong mathematical and programming skills are required. The successful candidate will also demonstrate commitment to timely completion of deliverables, commitment to publication of results in peer-reviewed outlets, excellent communication skills, and strong potential to work collaboratively with multiple agencies on a highly visible research topic. The candidate selected for the position must be able to meet eligibility requirements for work in the United States at the time appointment is scheduled to begin and continue working legally for the proposed term of the appointment.

### **Job Summary**

The framework should consist of completing the Assessment and Design phases of AM, which correspond closely with requirements associated with Biological Planning and Conservation Design for SHC. Thus, it must accommodate identification of stakeholders and solicitation of their input in the establishment of strategic objectives and alternative strategies. This will be accomplished through a series of workshops and meetings with stakeholders across the region. This position is currently funded for two years.

### **Responsibilities** (include but are not limited to):

- Work closely with investigators at partner agencies and universities developing models that predict future landscape conditions and the outcomes of conservation strategies based on climate projections, land cover projections.
- Organize and direct stakeholder meetings to establish focal species, conservation objectives, and strategic conservation actions and alternatives as they pertain to the project goals.

- Lead the development of models to evaluate the uncertainty associated with aquatic and terrestrial vertebrate responses to climate projections and proposed conservation strategies based on decision theoretic methods.
- Participate in graduate-level education by leading seminars or directed studies and advising graduate students participating in the project.

**Women and minorities are encouraged to apply**

**To Apply:**

Interested applicants should provide a formal letter of application, a complete biographical resume, transcripts, and the names of four references (name, address, phone number, and email addresses) who may be contacted for letters of recommendation. This information should be sent to Pam Beasley, Executive Coordinator, Auburn University, School of Forestry and Wildlife Sciences, 602 Duncan Drive Auburn, AL 36849-5418. Review of applications will begin October 1, 2011 and will continue until a successful candidate has been recommended for appointment. For additional information about the position, please contact Dr. Barry Grand, Unit Leader, [grandjb@auburn.edu](mailto:grandjb@auburn.edu)

**Salary:**

Salary is very competitive and is commensurate with skills and qualifications.

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