POST-GRADUATE RESEARCH INTERN  
Forest Simulation Modeling

**Position description.** A temporary, full-time, paid training position is available for a postgraduate research intern to join a long-term research effort in the Greater Yellowstone Ecosystem in the laboratory of Dr. Monica G. Turner, Department of Zoology. The successful applicant will work with Dr. Turner, a PhD student and collaborators to parameterize and test a process-based simulation model for subalpine conifer forests in Yellowstone, supporting use of the model to study effects of changing climate and fire. The post-graduate research intern will assist with parameterizing and testing **iLand** (http://iland.boku.ac.at), a process-based simulation model developed for forest stands and landscapes, in a new setting. The successful candidate also will assist in using the model to address questions about different mechanisms that determine tree regeneration following fire as climate changes. Processing large, georeferenced data (e.g., downscaled climate data) will be involved. The research intern will gain experience in state-of-the-art modeling of forest dynamics, climate and fire.

**Qualifications.** Applicants must have completed a BS (MS preferred) in ecology, computer science, engineering, or a related field prior to appointment. All candidates should have a strong interest in simulation modeling and forest ecology. Competitive candidates will have experience with computer programming and simulation, and experience working with large datasets (e.g., Forest Inventory and Analysis) and geo-spatial analyses is desirable. Experience with JavaScript, R, and processing of Lidar data is preferred. Candidates should be able to work collaboratively. This position is initially available for six months (January to June 2016). For additional information about the Turner Lab, please visit (http://landscape.zoology.wisc.edu).

**To apply.** Candidates should send a cover letter, CV, a one-page statement of research interests and relevant experience, transcripts (unofficial is acceptable), and the names and contact information of three references. Review of applicants will begin 1 December 2015. Application packages (electronic only) should be sent as a single PDF to Dr. Monica G. Turner (turnermg@wisc.edu).

The University of Wisconsin–Madison is an equal opportunity employer and is strongly committed to enhancing the diversity and quality of its faculty, staff and student body. Women and minority candidates are especially encouraged to apply.