From: Timothy Caughlin
Subject: Postdoctoral position in landscape ecology

Postdoc position: spatial models to scale up forest dynamics from sites to landscapes

This postdoc will model plant population and community dynamics over large areas using a suite of computational and mathematical approaches. The position will be based in the Caughlin lab at Boise State University, and the research will be applied to forecast land management scenarios in rangeland ecosystems, including restoration of sagebrush steppe in the Intermountain West and tropical reforestation in Latin American cattle pastures. Our lab is focused on developing novel ways to link ecological and remotely sensed data across multiple scales, from individual plants to million-hectare management units. We are looking for someone that brings expertise in either ecological modeling or remote sensing techniques.

Work will involve:

- Processing large ecological and remote sensing datasets
- Applying quantitative models to analyze spatial data
- Preparing papers for publication in peer-reviewed international journals

Start date is flexible, but no later than January, 2018.

Minimum Qualifications

Motivated candidates with strengths in any of these areas are encouraged to apply: data analysis in R or Python, size-structured population models, hierarchical Bayesian models, the Stan programming language, and/or the Google Earth Engine API. Candidates should have a Ph.D. and demonstrated independent research ability via first author publications.
This two-year position will be based at Boise State University in Boise, Idaho. Boise is a mid-sized city with a high quality of life, including urban amenities and outdoor recreation opportunities. University strengths include a new EEB (Ecology, Evolution, and Behavior) program, human-environment systems, geosciences, and community partners in federal and state agencies. The Caughlin lab is dedicated to building an inclusive and diverse academic environment, including strong support for a positive work-life balance. The application requires a cover letter describing your research interests and skills and how they relate to this position, along with a CV. In addition, please arrange to have three letters of recommendation sent to trevor.caughlin@gmail.com.

The application deadline is August 1st, 2017.

Please apply through Boise State University's online system at: https://boisestate.taleo.net/careersection/exfac/jobdetail.ftl?job=170676&tz=GMT-04%3A00

Boise State University, powered by creativity and innovation, stands uniquely positioned in the Northwest as a metropolitan research university of distinction. Learn more about Boise State and the City of Boise at https://go.boisestate.edu/join-our-team/.

Boise State University is committed to increasing the diversity of its faculty, staff, students, and academic program offerings and to strengthening sensitivity to diversity throughout the institution. Boise State University is an affirmative action/equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged to apply. We are a welcoming campus that supports diversity and inclusion.