

Postdoc: Modeling Carnivore Movements at UW Seattle for NASA ABoVE Study



A 2-year postdoctoral position is available in the Prugh lab at the University of Washington Seattle to model resource selection and movements of grey wolves and grizzly bears in Alaska and northwestern Canada. Ideal start date is September 2016 (negotiable). The overarching goal of the study is to understand how highly mobile terrestrial fauna navigate and select habitat in the rapidly changing arctic and boreal regions of northwestern North America. We are compiling all available GPS collar data for wolves, bears, moose, caribou, and golden eagles in the study region, and we seek a postdoc with expertise in spatial modeling to focus on the carnivore datasets. This project is funded through NASA's Arctic and Boreal Vulnerability Experiment (ABoVE; <http://above.nasa.gov/index.html?>), which is a major field campaign to understand resilience and vulnerability of arctic and boreal ecosystems to environmental change. The postdoc will join a large team of >20 university researchers and agency collaborators participating in the study, and they will also join the larger ABoVE Science Team. Salary is commensurate with experience.

The Prugh lab (<http://www.prughlab.com/>) consists of a dynamic group of students and postdocs in the School of Environmental and Forest Sciences at the University of Washington, Seattle (<http://www.cfr.washington.edu/>). Dr. Prugh has expertise in wildlife population and community ecology, and other project members have expertise in remote sensing, movement modeling, and resource selection (see Prugh lab and ABoVE websites for more information about the "Animals on the move" project and team members). The postdoc will have access to the ABoVE Science Cloud, which will provide access to high-speed computing and a wealth of environmental datasets and high resolution imagery.

Desired Qualifications: A PhD in spatial ecology or related field by the end of summer 2016 is highly preferred. We are seeking applicants with expertise in GIS, movement modeling, and resource selection. A strong interest in global change biology and/or wildlife ecology is desired, and familiarity with northern ecosystems, carnivore ecology, and remote sensing would be beneficial. Applicants must have a demonstrated record of publication in peer-reviewed journals, including at least one first-author publication in a major ecological journal. Strong programming, analytical, and writing skills are required.

To apply: Please email the following documents in a single pdf to Laura Prugh (lprugh@uw.edu): 1) a cover letter, 2) CV, 3) contact information for 3 references, and 3) up to 3 reprints of first-author papers or manuscripts in review. Review of applications will begin July 5, 2016. Position is open until filled.