

Postdoc: Dall sheep population modeling at U Washington

A 2-year postdoctoral position is available in the Prugh lab at the University of Washington to model Dall sheep population dynamics throughout their global range. Ideal start date is June 2016 (negotiable), and salary is \$45,000/year plus excellent benefits. The overarching goal of the study is to assess alpine ecosystem vulnerability to environmental change using Dall sheep as an indicator species. We are compiling all available survey, harvest, and telemetry data for Dall sheep, and we seek a postdoc with expertise in structured population modeling and/or population viability analysis to identify key drivers of Dall sheep population dynamics. 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 Dall sheep study, and they will also join the larger ABOVE Science Team.

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 co-PIs on the project have expertise in remote sensing, movement modeling, and human dimensions of wildlife (see Prugh lab and ABOVE websites for more information about the 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 population ecology or related field by summer 2016 is highly preferred. We are seeking applicants with expertise in structured population modeling and/or population viability analysis. A strong interest in global change biology and/or wildlife ecology is desired, and familiarity with northern ecosystems, ungulate 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 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 March 1, 2016. Position is open until filled.