



Aldo Leopold Wilderness Research Institute

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USDA - Forest Service and USDI - Bureau of Land Management, Fish and Wildlife Service, Geological Survey,
and National Park Service

Postdoctoral Researcher in Wildlife Connectivity Modeling with the University of Montana and the Aldo Leopold Wilderness Research Institute

Postdoctoral position focused on wildlife habitat suitability and connectivity is available with [Dr. Kathy Zeller](#) (Aldo Leopold Wilderness Research Institute) and [Dr. Erin Landguth](#) (University of Montana). Postdoc will work on forecasting habitat suitability and connectivity for multiple focal species throughout the Crown of the Continent Ecoregion. Focal species include elk, mule deer, and grizzly bear. The researcher will be expected to project future habitat suitability and connectivity given climate and other landscape changes and help to develop models that predict genetic or demographic effects of future scenarios on wildlife populations, with flexibility and creativity around design encouraged. This work will inform a Landscape Conservation Design for the Crown of the Continent that is being developed by the Crown Managers Partnership.

Responsibilities

- Integrate available data from our partners (telemetry, camera trap, hair snare locations) to model current and future habitat suitability
- Forecast current and future connectivity
- Use demographic and genetic models to estimate current and future population trends under different scenarios
- Communicate findings to research partners
- Publish at least 2 peer reviewed manuscripts from research

How to apply

Using the subject line 'Crown postdoc', please email cover letter, CV, and names and contact information for 3 references to: katherine.zeller@usda.gov. Application review will begin May 17th, 2021.

Required Qualifications

PhD (by start date) with experience in wildlife biology, landscape/spatial ecology, connectivity modeling, or other related experience. Coding proficiency in R and / or Python.

Salary

Salary is \$60 - 65K per year, depending on experience, plus benefits.

Location

The Aldo Leopold Wilderness Research Institute and the University of Montana are located in Missoula, Montana and surrounded by stunning mountains and rivers. More information about the Leopold Institute can be found here, <https://leopold.wilderness.net/>, and the University of Montana can be found here, <https://www.umt.edu/about/>.

Given the fluid situation around the global pandemic, the position may start with a telework option and then migrate to an in-office position. We'll have more information as time goes on.

Other information

Preference will be given to applicants who can start in the of Fall 2021 or earlier. Funding is available for one year, with the possibility of funding for a full 2 years, but is contingent on satisfactory performance in year one.