To apply, please use this link:

https://eeik.fa.us2.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX_1/job/261374/

Please reach out to me at eaikens@uwyo.edu with further questions.

The full post doc ad is reproduced below:

The Aikens Lab at the University of Wyoming, in collaboration with the Kauffman Lab at the U.S. Geological Survey Wyoming Cooperative Fish and Wildlife Research Unit, seeks a Postdoctoral Research Associate to lead analyses on a new migration ecology and climate resilience project. This project will quantify the interacting effects of drought-induced shifts in plant phenology and anthropogenic development on the function and resilience of mule deer migration across the American West.

The postdoc will have access to an unparalleled west-wide GPS tracking dataset assembled in collaboration with the USGS Corridor Mapping Team. The dataset spans 152 herds, 9,673 individual mule deer, and >44 million GPS locations, contributed by ten state wildlife agencies, two Tribal nations, and one Canadian province. These movement data will be integrated with remotely sensed products on plant phenology, drought, and landscape development. The postdoc will be expected to pursue synthetic, independent research that advances the broader goals of the project, and they may have the opportunity to develop additional projects that emerge from this unique dataset and collaborative partnership.

The Aikens Lab integrates movement ecology with computational and data science approaches to understand how wildlife respond to environmental change. The lab is jointly housed in the School of Computing and the Haub School of Environment and Natural Resources at the University of Wyoming. The postdoc will be co-advised by Dr. Ellen Aikens and Dr. Matthew Kauffman and will work closely with the Wyoming Migration Initiative, state and Tribal wildlife agency partners, and the broader Corridor Mapping Team. The postdoc will have access to a wide range of supercomputing resources (ARCC, AI4WY, NCAR).

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Lead research projects.
- Publish work in peer-reviewed journals.
- Present research findings at conferences and during regular cooperator meetings.
- Mentor undergraduate and graduate students.

MINIMUM QUALIFICATIONS:

A Doctoral Degree is required for this position, however, consideration will be given to applicants that are currently pursuing their Doctoral Degree and will complete the degree prior to starting work.

- Candidates must hold a PhD in data science, ecology, wildlife biology, geography, computational biology, or a related field.

DESIRED QUALIFICATIONS:

- Demonstrated expertise in spatial analyses of animal location data and/or analysis of large ecological datasets.
- Strong programming skills in R and/or python.
- Strong scientific writing skills, evidenced through a track record of publication in peer-reviewed journals, including at least one first-author publication.
- Experience processing and analyzing satellite remote sensing data using cloud-based platforms like Google Earth Engine.
- Experience with version control (git/github) and reproducible research workflows.
- Demonstrated ability to communicate scientific results to managers, agency partners, and other stakeholders.
- Experience working within multi-institution collaborations involving agency and Tribal partners.
- Familiarity with ungulate ecology and western U.S. ecosystems.

REQUIRED APPLICATION MATERIALS:

Complete the online application and upload the following separate documents for a complete application: (1) a cover letter describing your research interests, relevant experience, and fit for the position; (2) a CV; (3) one representative first-author publication; and (4) contact information for three references (to be contacted only for finalists).

This position will remain open until filled. Complete applications received by 15 July 2026 will receive full consideration. Questions should be directed to the Search Committee Chair Ellen Aikens at eaikens@uwyo.edu

WORK LOCATION:

On-campus: This position provides vital support to campus customers, and the successful candidate must be available to work and perform essential job functions on campus, understanding our location is at 7,220 feet above sea level.

WORK AUTHORIZATION REQUIREMENTS:

Work authorization sponsorship may be available for this position, however, sponsorship for H-1B work authorization or work visa is not available for this position.

HIRING STATEMENT/EEO:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran. In compliance with the ADA Amendments Act (ADAAA), if you have a disability and would like to request an accommodation to apply for a position, please contact us at 307-766-2377 or email jobapps@uwyo.edu.

ABOUT LARAMIE:

The University of Wyoming is located in Laramie, a charming town of 30,000 residents nestled in the heart of the Rocky Mountain West. The state of Wyoming continues to invest in its only 4-year university, helping to make it a leader in academics, research, and outreach with state-of-the-art facilities and strong community ties. We invite you to learn more about Laramie by visiting the About Laramie website.

Located in a high mountain valley near the Colorado border, Laramie offers both outstanding recreational opportunities and close proximity to Colorado's Front Range and the metropolitan Denver area. Laramie's beautiful mountain landscape offers outdoor enjoyment in all seasons, with over 300 days of sunshine annually. For more information about the region, please visit http://visitlaramie.org/