

**Opportunity Title:** USFS Landscape Conservation Postdoctoral Fellowship

**Opportunity Reference Code:** USDA-USFS-2022-0430

**Organization** U.S. Department of Agriculture (USDA)

**Reference Code** USDA-USFS-2022-0430

**How to Apply** *Connect with ORISE...on the GO!* Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

A complete application package consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate must provide proof of completion of the degree before the appointment can start. Click [Here](#) for detailed information about acceptable transcripts.
- A current resume/CV
- Two educational or professional recommendations. At least one recommendation must be submitted in order for the mentor to view your application.

All documents must be in English or include an official English translation.

**Application Deadline** 6/1/2023 3:00:00 PM Eastern Time Zone

**Description** *\*Applications will be reviewed on a rolling-basis.*

**USFS Office/Lab and Location:** A


postdoctoral research opportunity is currently available with the U.S. Forest Service (USFS), Rocky Mountain Research Station National Genomics Center for Wildlife and Fish Conservation, located in Missoula, Montana.

At the heart of the U.S. Forest Service's mission is their purpose. Everything they do is intended to help sustain forests and grasslands for present and future generations. Why? Because their stewardship work supports nature in sustaining life. This is the purpose that drives the agency's mission and motivates their work across the agency. It's been there from the agency's very beginning, and it still drives them. To advance the mission and serve their purpose, the U.S. Forest Service balances the short and long-term needs of people and nature by: working in collaboration with communities and our partners; providing access to resources and experiences that promote economic, ecological, and social vitality; connecting people to the land and one another; and delivering world-class science, technology and land management.

**Research Project:** Under the guidance of a mentor, the participant will contribute to a Department of Defense-funded project using environmental DNA (eDNA) sampling to survey for rare species on, and surrounding, military installations in the









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western United States.

Research activities will include:

- Implementing research on rare species relevant to western land managers,
- Discussing and coordinating research objectives with relevant resource managers
- Collaboratively analyze data and write peer-reviewed publications

**Learning Objectives:** Learning objectives for the participant include:

- Gain experience collaborating with land management agencies on applied conservation science
- Develop molecular laboratory and bioinformatic analysis skills
- Improve ability to design, interpret, and communicate applied ecological studies

For more information on the Rocky Mountain Research Station National Genomics Center for Wildlife and Fish Conservation, please visit <https://www.fs.usda.gov/rmrs/ngc>.

**Mentor:** The mentor for this opportunity is Taylor Wilcox ([taylor.wilcox@usda.gov](mailto:taylor.wilcox@usda.gov)). If you have questions about the nature of the research please contact the mentor.

**Anticipated Appointment Start Date:** May 2023. Start date is flexible and will depend on a variety of factors.

**Appointment Length:** The appointment will initially be for two years, but may be extended upon recommendation of USFS and is contingent on the availability of funds.

**Level of Participation:** The appointment is full-time.

**Participant Stipend:** The participant will receive a monthly stipend commensurate with educational level and experience.

**Citizenship Requirements:** This opportunity is available to U.S. citizens only.

**ORISE Information:** This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and USFS. Participants do not become employees of USDA, USFS, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

**Questions:** Please visit our [Program Website](#). After reading, if

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you have additional questions about the application process  
please email [USForestService@orise.orau.gov](mailto:USForestService@orise.orau.gov) and include the  
reference code for this opportunity.

**Qualifications** The qualified candidate should have received a doctoral degree  
in one of the relevant fields, or be currently pursuing the degree  
to be received by May 26, 2023.

Preferred Skills:

- Experience working with diverse, non-technical partners including natural resource professionals working in state and Federal government, non-governmental organizations, and tribal governments
- Training in ecological study design and statistical analysis
- Some familiarity with molecular tools such as amplicon sequencing, population genetics, and environmental DNA sampling would be useful

**Eligibility  
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 )
  - **Communications and Graphics Design** (2 )
  - **Computer, Information, and Data Sciences** (17 )
  - **Earth and Geosciences** (21 )
  - **Engineering** (27 )
  - **Environmental and Marine Sciences** (14 )
  - **Life Health and Medical Sciences** (48 )
  - **Mathematics and Statistics** (11 )
  - **Physics** (16 )
  - **Science & Engineering-related** (2 )
  - **Social and Behavioral Sciences** (28 )