

**Opportunity Title:** Postdoctoral Research Opportunity with the National Aquatic Biodiversity Assessment

**Opportunity Reference Code:** USDA-USFS-2019-0122

### Organization

U.S. Department of Agriculture (USDA)

### Reference Code

USDA-USFS-2019-0122

### How to Apply

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. Proof must be sent to ORISE directly from the academic institution including graduation date and degree awarded. All transcripts must be in English or include an official English translation. Click [Here](#) for detailed information about acceptable transcripts.
- A current resume/CV
- Two educational or professional recommendations

If you have questions, send an email to [USForestService@orise.orau.gov](mailto:USForestService@orise.orau.gov). Please include the reference code for this opportunity in your email.

### Application Deadline

11/15/2019 3:00:00 PM Eastern Time Zone

### Description

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

A research opportunity is currently available with the United States Department of Agriculture (USDA), U.S. Forest Service (USFS), Pacific Northwest Research Station located in Corvallis, Oregon.

Comprehensive information about aquatic ecosystems and best available science contribute to the ability of Forest Managers to effectively make planning decisions across the US, and locally at individual forests. The selected participant will contribute to a comprehensive description of aquatic biodiversity and ecosystems across the US. This will be accomplished by using NatureServe biodiversity datasets in addition to other informative geospatial information to develop mapping products and regional summaries. The participant will contribute to and possibly lead publications describing national-scale aquatic biodiversity analysis and summaries.

The PNW Research Station Corvallis Forest Science Laboratory is a hub for the development of innovative and relevant science on aquatic species. With guidance from a mentor, the participant will gain experience in collaborating with USDA agencies, particularly the Forest Service, and collaborating with partnering academic institutions, in particular Oregon State University, in facilitating a comprehensive aquatic biodiversity assessment; developing map products at regional and national scales; and synthesizing scientific publications for natural resources managers, forest land owners, and policy makers. Additional information about the USDA Pacific Northwest Research Station can be found at <https://www.fs.fed.us/outernet/pnw/>.

**Anticipated Appointment Start Date: October 1, 2019; start date is flexible**

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and the USFS. The initial appointment is for one year, but may be renewed upon recommendation of USFS contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. The annual stipend will be \$66,250. Relocation allowances will not be provided, but a health insurance supplement will be provided. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. The appointment is full-time at USFS in the Corvallis, Oregon, area. Participants do not become employees of USFS, DOE or the program administrator, and there are no employment-related benefits.

This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the [Guidelines for Non-U.S. Citizens Details page](#) of the program website for information about the valid immigration statuses that are acceptable for program participation.

For more information about the USFS Research Participation Program, please visit the [Program Website](#).

### Qualifications

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The qualified candidate should have received a doctoral degree in one of the relevant fields, or be currently pursuing the degree and will reach completion by the start date of the appointment. Degree must have been received within five years of the appointment start date.

Preferred skills:

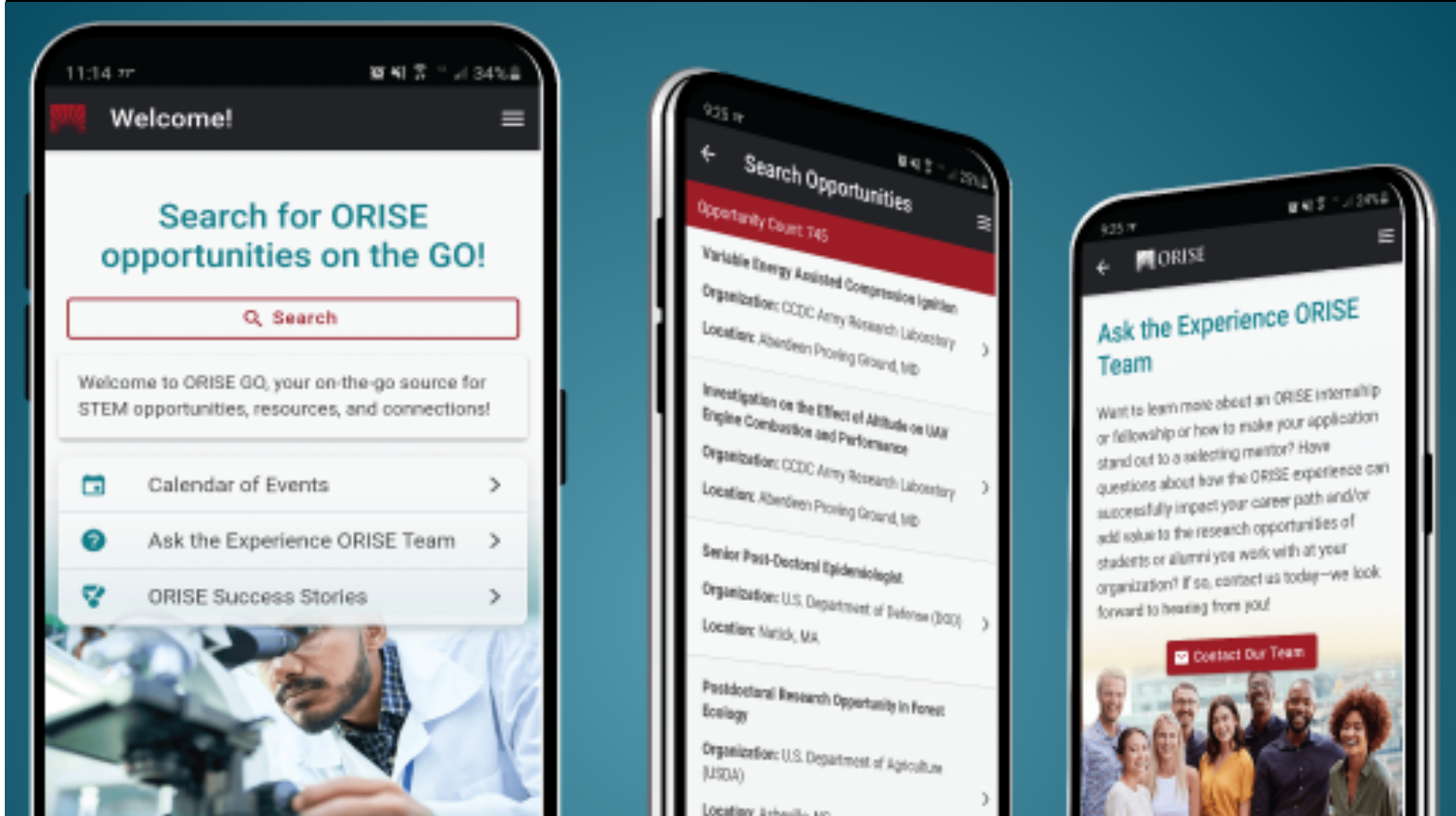
- Experience conducting quantitative assessments of aquatic organisms including but not limited to fishes, amphibians, macroinvertebrates and turtles
- Geospatial mapping and analysis skills including geodatabases. Analysis should include experience with vector and raster datasets.
- Statistical analysis and modeling that combines geospatial and biological datasets. Modeling skills may be developed using frequentist or Bayesian methodologies.

**Eligibility Requirements**

- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 10/1/2019 11:59:00 PM.
- **Discipline(s):**
  - **Earth and Geosciences** ([1](#) )
  - **Environmental and Marine Sciences** ([7](#) )
  - **Life Health and Medical Sciences** ([4](#) )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).



# OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION



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