Opportunity Title: Postgraduate Research Opportunity in Forest Ecology
Opportunity Reference Code: USDA-USFS-2019-0187

Organization	U.S. Department of Agriculture (USDA)
Reference Code	USDA-USFS-2019-0187
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. Please include the reference code for this opportunity in your email.

Application Deadline	5/29/2020 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.**

A postgraduate research opportunity is currently available with the US Forest Service (USFS), Pacific Northwest Research Station, Wenatchee Forestry Sciences Laboratory located in Wenatchee, Washington.

The research participant will collaborate with Forest Service scientists on a project for improving methods used to understand the effects of disturbance (e.g., fire, insects, disease) on forest growth and mortality in the western United States through the integration of large forest inventory and remote sensing derived data sets. The participant will contribute to spatial and statistical analysis and written reports and publications.

Under the guidance of a mentor, the participant will be involved in the following research activities:

- Conducting spatial analyses combining inventory and remote-sensing data at the regional scale
- Conducting statistical analyses of forest inventory data
- Acquiring and managing spatial and non-spatial data for proposals, publications, and analyses
- Designing, populating, and managing databases for research data archival and retrieval
- Writing scripts and programs (e.g., in R or Python) for use with GIS, database, and statistical analyses
- Contributing to research publications by conducting literature searches; writing text; creating tables, graphs, and maps; and formatting manuscripts

Learning objectives for this appointment include:

- Increased understanding about the research process from study plan to publication
- Improved modelling and quantitative skills
- Increased familiarity with disturbance ecology of western forests

Anticipated Appointment Start Date: Flexible 2020

Opportunity Title: Postgraduate Research Opportunity in Forest Ecology
Opportunity Reference Code: USDA-USFS-2019-0187

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 the U.S. Forest Service (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 of $4,800. A relocation allowance of up to $3,000 and a travel/training allowance of $800 is also available.** 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 Wenatchee, Washington, 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 only.

For more information about the USFS Research Participation Program, please visit the **Program Website.**

Qualifications   The qualified candidate should have received a master's or doctoral degree in one of the relevant fields.

Preferred skills:

- Familiarity with databases and analyzing and interpreting disparate data sets, with strong computational skills
- Knowledge of forest inventory and biometrics
- Background in GIS and/or remote sensing; working knowledge of languages such as Python or R
- At least one course in forest insects and disease
- Strong written communication skills; ability to communicate technical information effectively

Eligibility Requirements
- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree or Doctoral Degree.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (1 👁)
  - **Earth and Geosciences** (2 👁)
  - **Environmental and Marine Sciences** (4 👁)
  - **Life Health and Medical Sciences** (1 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Social and Behavioral Sciences** (1 👁)