

David L Nieland

Subject: Post-graduate research opportunity – dry forest ecology and management

The Disturbance and Restoration Ecology team of the USDA Forest Service, Pacific Northwest Research Station, is offering a post-graduate research fellow opportunity through the Oak Ridge Institute for Science and Education (ORISE) to work with team scientists conducting research related to disturbances in dry forest ecosystems, including dry forest restoration, wildlife habitat ecology and management, fire ecology, and climate change impacts. The research fellow will assist scientists with data management, development and implementation of spatial and statistical analyses, and preparation of reports and publications.

Specific research contributions are expected to include:

- Contributing to research papers through literature reviews, analysis, writing, and creating tables, graphs, text and maps
- Developing, managing, and querying databases
- Assisting scientists in planning and implementing statistical analyses
- Compiling spatial data and conducting spatial analyses using Geographic Information Systems (GIS)
- Gathering, organizing and interpreting data for proposals, reports, and publications
- Writing scripts and programs for use with databases, GIS, and statistical analysis
- Providing occasional logistical support and planning for research projects and field work
- Compiling and reviewing scientific literature on specific topics

The starting date for the research fellow will be between July 1 and September 15, 2016, depending on candidate availability. The initial appointment is for one year, but the appointment may be extended to provide additional years given continued funding and satisfactory performance. The research fellow will be located at the Wenatchee Forestry Sciences Laboratory in Wenatchee, WA, USA.

The following qualifications are desired:

- Experience working on research projects and writing research papers
- Ability to program in R, SAS, Python, SQL, and/or Visual Basic
- MS or PhD degree (or equivalent education and experience) in forestry, ecology, wildlife biology, computer science, statistics, or related field
- Strong background in quantitative sciences, including both conceptual knowledge and practical skills with statistics, databases, and GIS
- Computer programming knowledge and experience
- Citizenship: U.S. Citizen Only

For more information, see the full announcement at: <https://www.zintellect.com/Posting/Details/1842>

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