Position Details

Department: Forest Engineering, Resources & Management Department

Number of Vacancies: 1

Location: Corvallis Campus / Corvallis Forest Science Laboratory

Position appointment percentage (FTE): 1.0

Appointment basis (12 months or 9 months): 12 months

Anticipated appointment begin date: 5/01/2023, or as negotiated

Anticipated appointment end date: 4/30/2024, or as negotiated

Posted date:

Closing date/Full consideration date:

Recommended Full-Time Salary: $54,840-$66,600, based on experience

Position Summary:

The postdoctoral scholar will contribute to research funded by the NSF LTER and the USDA Forest Service Pacific Northwest Research Station (PNWRS) at Oregon State University. Central to this work is a collaborative partnership between Oregon State University and PNWRS. The project examines temporal and spatial patterns in tree mortality across western Oregon and Washington to understand drivers of forest change at multiple scales (individuals to landscapes). This research will leverage >140 long-term tree measurement installations located in western Oregon and Washington – the Pacific Northwest Permanent Sample Plot (PNW-PSP) network – and repeat satellite and lidar remote sensing to (1) relate long-term tree growth and mortality to current patterns in remotely sensed forest heterogeneity and (2) analyze spatial patterns of fire effects from the Holiday Farm Fire (2020) on second-growth, mature, and old-growth forests at the H. J. Andrews Experimental Forest. The postdoctoral scholar will also have opportunities to collaborate on related projects, such as post-fire microclimate and regional assessments of climate and competitive effects on tree mortality. Candidates with experience in community and disturbance ecology, remote sensing, statistical modeling, and GIS are encouraged to apply.

Position Duties:

Office: 65%. Analysis of existing long-term tree data, processing of lidar and multispectral data, statistical model development

Communication: 20%. Preparation of manuscripts, conference posters/presentations, outreach to forest management community

Field work: 10%. Validating tree mortality mapping at H. J. Andrews

Other: 5%. Other work relevant to the project as assigned.

Minimum/Required Qualifications:

PhD in ecology, geography, forest science or a related field

Experience with statistical analysis and/or statistical modelling of ecological data

Demonstrated experience examining ecological status and/or change with vegetation plot data and/or remote sensing

Excellent written and oral communication skills

Preferred Qualifications:

Experience with analyzing lidar and plant community/structural data

Training in forest succession and disturbance ecology

Experience managing and analyzing long-term vegetation data

Demonstrated ability to work collaboratively

Life experience, training, and/or education that demonstrates a commitment to promoting and enhancing diversity, equity, and inclusion.

Working Conditions / Work Schedule:

Office, field, 40 hours per week.

Special Instructions to Applicants:

To apply, please send the following materials to Matt Powers (matthew.powers@oregonstate.edu) and David Bell (david.bell@usda.gov):

(1) A resume/CV;

(2) A cover letter indicating how your qualifications and experience have prepared you for this position

(3) The names of three professional references, including email addresses and telephone numbers.

For additional information please contact: Matt Powers, matthew.powers@oregonstate.edu, or David Bell, david.bell@usda.gov

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.