The Forest Ecophysiology Lab in the departments of **Forest Ecosystems & Society** and **Botany & Plant Pathology** at Oregon State University is hiring a Postdoctoral Researcher in Forest Ecophysiology and Vegetation Modeling.

Position Details: The Postdoctoral Researcher will focus on developing forecasting products to monitor vegetation responses to drought by leveraging a variety of data types and exploring novel research questions through model-data fusion across different scales. The ideal candidate should be capable of formulating research ideas in various ecosystems, including but not limited to the Costa Rican Tropical Dry Forests in (Guanacaste), Costa Rican Tropical Wet Forests (La Selva), and/or ponderosa pine forests in Eastern Cascades.

Salary Range: $62,000-70,000 annually with benefits depending on previous postdoctoral experience.

Duration: Funding for this position is available for 2.5 years, and the position will be renewed annually for the duration of the 2.5 years contingent on satisfactory progress.

Application Deadline: For full consideration, apply by March 1st, 2025.

Project Team: The Postdoctoral Researcher will work primarily with German Vargas (PI) at Oregon State University (OSU). Options for collaboration across campus include Dr. Loren Albert and Dr. Christopher Still, as well as the opportunity to explore inter-institutional collaborations.

Required Qualifications:

- A PhD in ecology, forestry, plant biological sciences, earth science, environmental science, data science, or a related field by the desired start date or within a reasonable time frame after the desired start date (awaiting conferral okay with a degree completion certificate).
- Evidence of publishing in peer-reviewed journals.
- Experience in developing code in R, and/or Python, and the ability to transfer skills across programming languages.
- Ability to work and learn new skills independently.

Preferred Qualifications:

- Experience with plant ecophysiology and/or tropical plant ecology.
- Interest in characterizing ecosystem sensitivity to drought.
- Interest in ecological forecasting.
- Experience or interest in learning Bayesian Statistics.
- Experience or interest in working with process-based models.

How to apply: Send me an email (vargasgg@oregonstate.edu) describing your interest with three broad research questions in the context of forecasting vegetation responses to drought in the above-mentioned systems. Additionally, submit a copy of your CV, and contact information for three references. Priority will be given to candidates with the ability to think across systems and scales.

Desired start date: Summer 2025. However, candidates with later start dates should also apply. There is some flexibility with the start date and later start dates will be considered.

About the Forest Ecophysiology Lab: The OSU Forest Ecophysiology Lab is dedicated to investigating the responses of forest ecosystems to climate change. Our research focuses on understanding how we can use physiological ecology to study vegetation responses to natural disturbances or other environmental stressors across different ecosystems, including tropical forests and temperate mountain systems. We employ a variety of methodologies, including conducting empirical measurements of plant ecophysiology, long-term monitoring of forest dynamics, Bayesian statistics, and process-based modeling.

Visit the lab website here: www.forestecophys.com