

PhD position in Forest Ecology & Forest Genetics

The Bisbing (forest ecology & silviculture) and Parchman (ecological genetics) labs at the University of Nevada – Reno are seeking a PhD student with interest and/or expertise in forest ecology, evolutionary ecology, and genetics to lead a Sierra Nevada-wide provenance trial to support climate-based seed selections in reforestation efforts. This project aims to examine the degree of local adaptation versus adaptive potential in five of the most economically and ecologically important tree species in the Sierra Nevada – *Calocedrus decurrens*, *Pinus jeffreyi*, *Pinus lambertiana*, *Pinus ponderosa*, and *Sequoiadendron giganteum*. Identifying appropriate provenances for reforestation will be critical to increasing Sierra Nevada forest ecosystem resilience and supporting forest landowners and resource managers in post-wildfire recovery under altered current and predicted future climate conditions.

The PhD student will join the Ecology, Evolution, & Conservation Biology program at UNR and be jointly advised by Sarah Bisbing and Tom Parchman. The students will have the opportunity to work in close collaboration with researchers and managers from the California Department of Forestry & Fire Protection, University of California (UC) – Berkeley, UC Cooperative Extension unit, and USDA Pacific Southwest Research Station.

The successful candidate will have:

- a MS in forest ecology, forestry, ecology, evolutionary ecology, biology, or related field by start date.
- research experience in forest ecology, silviculture, and/or genetics.
- strong quantitative skills and be highly competent in R and ArcGIS.
- interest and ability to work collaboratively with forest managers and a large network of researchers. Networking and people skills essential.

Starting date as early as **January 2021**.

Funding is available for three years (\$1900/month stipend plus research and tuition), with teaching opportunities available to support ongoing work.

Applicants should compile a single pdf file to sbisbing@unr.edu including a CV, cover letter, transcripts, GRE scores, representative publications, and contact information for three references. Review of applications will begin September 1, 2020 and continue until the position is filled.