Oregon State University
Southern Oregon Research and Extension Center

Southern Oregon Research and Extension Center
Oregon State University
569 Hanley Road
Central Point, Oregon, 97502

P 541-776-7371 | **F** 541-776-7373
extension.oregonstate.edu/sorec

NOW RECRUITING POST-DOCTORAL SCHOLAR

Position Summary

Applications are invited for a 12-month, full-time (1.0 FTE) postdoctoral scholar position at the Southern Oregon Research and Extension Center (SOREC) at Oregon State University (OSU). The successful applicant will manage the Southern Oregon portion of a federally-funded multi-state research project investigating the ecobiology and sustainable management of Grapevine Red Blotch Disease. Specifically, the incumbent will independently conduct and manage transdisciplinary research in the fields of grapevine ecophysiology, virology, and entomology in the context of Southern Oregon wine grape production.

The incumbent will assist and collaborate with researchers in the viticulture, plant pathology, and entomology programs at SOREC. Duties will include designing and implementing research trials at vineyard field sites, field data collection, sample processing and laboratory analyses, insect population monitoring, conducting on-farm demonstrations, and publishing research results in peer-reviewed journals.

Anticipated start date is March 30, 2020. The position is funded for 2.5 years with a possible extension to 3 years, depending on funding.

Position Duties

55% Research. Research duties will include but are not limited to: (1) Impose experimental treatments at on-station and on-farm research sites; (2) Monitor grapevine environment, growth/development, and physiology using various field instruments (e.g. pressure chamber and portable gas exchange system); (3) Determine red blotch disease prevalence in Southern Oregon vineyards, identify alternative hosts for GRBV, improve diagnostic tools for GRBV, and monitor red blotch disease development; (4) Sample for insect vectors, and check insect traps; (5) Collect grapevine tissue and insect samples for further laboratory assays of size and composition using biochemical and molecular techniques (e.g. enzymatic reactions and qPCR).

15% Scholarship. Publish research results as lead or co-author in peer-reviewed journals and other publications as appropriate. Present results to peers and/or industry at local, national, and international meetings.

15% Professional development. Prepare three year strategic plan to achieve a professional goal. Participate in training sessions to learn new skills, formal and informal, on- or off-site, as needed. Participate in group meetings, discussions, and staff events at the station.

15% Project management and supervision. Plan, assign, and approve daily duties for undergraduate and graduate student research assistants and laboratory technicians.

Minimum Required Qualifications:

- Ph.D. in horticulture, plant physiology, plant virology, or a closely related field of plant science.
- Demonstrated ability to contribute to scholarly activity through refereed journals and presentations at scientific meetings.
- Demonstrated excellence in lab skills.
- Demonstrated ability to collaborate, cooperate and work within a team structure.
- Demonstrated ability to work independently.

Preferred Qualifications:

- Experience in conducting applied plant ecophysiology research in perennial crops.
- Experience with plant-virus interactions research.
- Experience trapping and identifying insects.
- Experience working at an off-campus research station.
- A demonstrable commitment to diversity and inclusiveness.
- Ability to work with diverse faculty, students, industry clientele, and stakeholders.

Working Conditions/Work Schedule:

- Research will be conducted at SOREC and at grower-collaborator field sites that will require travel using a SOREC vehicle.
- Work may require lifting, pushing or pulling up to 50 lbs.
- Tasks may require work outdoors in all weather conditions for an extended period of time.
- Must be able to walk on uneven terrain.
- Non-standard hours may be required during peak times of the field season.

How to Apply:

Send one, combined PDF containing the following materials to Dr. Alexander Levin (alexander.levin@oregonstate.edu):

1) Cover Letter
2) CV/Resume
3) Names and contact information for at least three professional references
4) Writing sample