Position Details

Department: The Department of Botany & Plant Pathology
Number of Vacancies: 1
Location: Corvallis Campus
Position appointment percent (FTE): 1.0
Appointment basis (12m or 9mo): 12mo
Anticipated appointment begin date: 09/01/2022, or as negotiated
Anticipated appointment end date: 08/31/2023, with option for renewal
Posted date: 03/01/2022
Closing date/Full consideration date: April 15, 2022
Recommended Full-Time Salary: (salary rate listed here, depends on years of experience: [https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits](https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits))

Position Summary:

The postdoctoral scholar will contribute to a recently funded NSF CAREER project in the Busby lab at Oregon State University. The project addresses how plant genotype and environmental factors jointly influence the structure of fungal leaf endophyte communities and plant health. The work will be conducted primarily in the *Populus* model system, in which host genetics, leaf fungi, and distinct environmental factors (climate and fungal species pools) can be controlled and quantified. We will test hypotheses aimed at understanding how foliar fungal communities assemble, and in turn, influence plant disease severity. Experimental methods include field and greenhouse studies, genomic analysis, and gene editing. The postdoctoral scholar will also have opportunities to collaborate on other projects in the lab, including research at the HJ Andrews NSF LTER site. Candidates with experience in fungal ecology, molecular techniques (e.g., metabarcoding), and computational approaches are encouraged to apply.

Position Duties:

Laboratory: 50% Executing experimental studies related to the project aims.
Communication: 20% Preparation of manuscripts, conference posters, oral presentations.
Supervision: 15%. Professional development, including mentoring high school, undergraduate, and graduate students participating in the CAREER project.
Field work: 10%. Contributing to common garden studies.
Other: 5%. Routine lab maintenance, and other work relevant to the project and assigned by the PI.
**Minimum/Required Qualifications:**

PhD in Biology or related field

Training in fungal ecology, and molecular and computational approaches for studying microbial communities.

Excellent communication skills (e.g., publications, submitted grant proposals, oral presentations).

Preferred (Special) Qualifications:

Familiarity with approaches in fungal ecology (e.g., culture-based assays, inoculation experiments, metabarcoding and/or ‘omics approaches).

Ability to work collaboratively.

Commitment to promoting and enhancing diversity, equity and inclusion.

**Working Conditions / Work Schedule:**

Office, laboratory, greenhouse, field. 40 hours per week.

**Special Instructions to Applicants:**

To apply please send the following materials to Posy Busby (posy.busby@oregonstate.edu):

1) A resume/CV; and

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

3) The names of least three professional references, including e-mail addresses and telephone numbers.

For additional information please contact: Posy Busby, posy.busby@oregonstate.edu

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.