

Postdoctoral Scholar in Fermentation Microbiology

Department: Food Science & Technology

Job Location: Corvallis, OR

Appointment type: 12-month, 1.0FTE

Project and position description:

Increased frequency and severity of wildfire events across California and the Pacific Northwest over recent years has resulted in large quantities of wine grapes being rendered unusable due to uptake of smoke-related compounds.

A Postdoctoral Scholar position is open in the laboratory of Dr. Chris Curtin, to work on USDA-ARS coordinated collaborative research that seeks to better understand smoke-taint of wine and identify ways to mitigate risk of its occurrence. Specifically, the Curtin-lab project within this collaboration will seek to engineer microbial pathways that may be harnessed to convert smoke-taint causing phenolic compounds into non-aromatic derivatives.

This appointment is initially for 12-months, with annual renewal possible with continued funding and dependent on progress. The applicant will have recently graduated a PhD in microbiology, with previous experience in molecular biology, ideally including the use of CRISPR-Cas9 for heterologous expression of novel pathways in fungi or bacteria. The appointed Postdoctoral Scholar will be responsible for laboratory experiments, analyzing results, writing manuscripts, and contributing to the preparation of grants.

Please send your query or application to christopher.curtin@oregonstate.edu. Applications must include a cover letter that summarizes your interest in the position and future professional interests, your CV, copies of up to three relevant publications, and the names and contact information for three references.

Anticipated position start-date is July 15, 2022. Recruitment will continue until the position is filled.

Minimum/Required Qualifications:

- Ph. D. in microbiology or a related field.
- Experience in synthetic/molecular biology.

Preferred Qualifications:

- Experience with the application of CRISPR-Cas9 methods of genome modification.
- Bioinformatics experience.
- A demonstrable commitment to promoting and enhancing diversity.

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.

More information about postdoctoral scholar appointments at OSU can be found at <https://gradschool.oregonstate.edu/postdocs>.