



Oregon State
University

**Hermiston Agricultural Research
and Extension Center**
Oregon State University
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**A Postdoctoral Scholar Position Available at Oregon State University
Specializing in potato-potato virus Y interactions**

Position Information

- Department: Botany and Plant Pathology
- Position Title: Postdoctoral Scholar
- Job Location: Hermiston Agricultural Research and Extension Center

Position Summary

The Department of Botany and Plant Pathology invites applications for a full-time, (1.0 FTE), 12-month, fixed-term postdoctoral scholar position in the laboratory of Dr. Aymeric Goyer. The position is based at the Hermiston Agricultural Research and Extension Center (HAREC) in Hermiston.

The successful applicant will focus on potato-potato virus Y (PVY) interactions. PVY is a major problem to the potato industry because it can decrease yield and affect tuber marketability. Our lab has identified genes that are involved in the interactions between potato and PVY [1]. The first aspect of this position will be to characterize the function(s) of these genes and to test their potential to provide resistance to PVY. Specifically, the successful candidate will characterize the resistance response of potato plants that overexpress these genes to various strains of PVY, and will use molecular biology/biochemistry techniques to identify interacting partners. The second aspect of this position will be to test a new method to facilitate the identification of PVY-infected plants during inspection by accentuating foliar symptoms and accelerating their appearance. Research will be done primarily in lab and greenhouse settings.

Applicants should be able to work both independently and as part of a team. Applicants should have effective communication skills, both written and oral, and be able to publish their research in scientific journals and extension publications, and to present their research at scientific meetings and extension venues. Applicants should possess demonstrated experience in research topics related to plant-microbe molecular interactions, preferentially viruses.

For full consideration, apply before June 5, 2020. Review of applications will continue until the position is filled. A start date as soon as July 5, 2020 is anticipated. The position is funded for 1 year with a possible extension based on performance and continuing funding.

Stipend and benefits conform with postdoctoral scholar standards at OSU. More information about postdoctoral scholar appointments at OSU can be found at <http://gradschool.oregonstate.edu/postdocs>.

Position Duties

80% Research:

- Designing, implementing, and conducting research activities in the lab and in greenhouse/screenhouse.
- Processing, analyzing, and reporting on findings.
- Publish research results as lead or co-author in peer-reviewed journals.
- Present results to peers at scientific meetings.

10% Extension

- Dissemination of findings regionally and nationally through oral presentations.
- Publish research results in extension publications.

10% Lab management

- Manage lab inventory, place orders for lab reagents.
- Plan, assign, and approve daily duties for undergraduate research assistants.

Minimum Required Qualifications

- Ph.D. in the biological sciences related to plant biology, plant pathology, plant biochemistry or a closely related field of study.
- Demonstrated experience in basic molecular biology and plant tissue culture techniques.
- Demonstrated ability to contribute to scholarly activity through refereed journals and presentations at scientific meetings.
- Demonstrated ability to collaborate and work within a team structure.
- Ability to work independently in diverse environmental conditions.

Preferred Qualifications

- Experience in plant-virus molecular interactions.
- Experience with molecular biology and biochemistry techniques.
- Experience with plant tissue culture techniques.
- Experience with statistics.
- Ability to work with diverse faculty, students, industry clientele, and stakeholders.
- A demonstrable commitment to diversity and inclusiveness.

How to Apply

Email application containing PDF documents of the following materials to: Dr. Aymeric Goyer at Aymeric.goyer@oregonstate.edu 1) Cover Letter 2) CV/Resume 3) Unofficial graduate transcripts 4) Names and contact information for at least three professional references.

For full consideration, apply before June 5, 2020. Applications will be reviewed as they are received. Please direct questions about this position to Aymeric.goyer@oregonstate.edu

Oregon State University is an Affirmative Action / Equal Opportunity Employer.

References

1. Goyer, A.; Hamlin, L.; Crosslin, J.M.; Buchanan, A.; Chang, J.H. Rna-seq analysis of resistant and susceptible potato varieties during the early stages of potato virus y infection *BMC Genomics* **2015**, *16*, 472.