

Peter M. Henry

Email: petehenry413@gmail.com

Education:

PhD: Currently enrolled in the **Department of Plant Pathology** at the **University of California, Davis** GPA: 4.0

B.A. Willamette University, Salem, Oregon - Graduated May, 2011
Major: Environmental Science

Publications:

Henry, P.M., Kirkpatrick, S., Islas, C.M, Yoshisato, J., Koike, S.T., Daugovish, O., & Gordon, T.R. 2017. The population of *Fusarium oxysporum* f sp. *fragariae*, cause of Fusarium wilt of strawberry, in California. Plant disease. 101:550-556. doi:10.1094/PDIS-07-16-1058-RE

Henry, P.M., Gebben, S., Tech, J., Yip, J., and Leveau, J.H. 2016. Inhibition of *Xanthomonas fragariae*, causative agent of angular leaf spot of strawberry, through iron deprivation. Frontiers of Microbiology. 7:1589. doi:10.3389/fmicb.2016.01589

Henry, P.M. and Leveau, J.H.J. 2016. Finished genome sequences of *Xanthomonas fragariae*, the causative agent of bacterial angular leaf spot of strawberry. Genome Announcements. 4:e01271-16. doi:10.1128/genomeA.01271-16

Gordon, T.R., Kirkpatrick, S.C., & Henry, P.M. 2016. First report of a wilt disease of blackberry caused by *Fusarium oxysporum*. Plant Disease. 100:1018. doi:10.1094/PDIS-07-15-0784-PDN

S. T. Koike, O. Daugovish, S. C. Kirkpatrick, P. M. Henry, and T. R. Gordon (2015). First report of crown and root rot of leek caused by *Fusarium avenaceum*. Plant Disease. 99:1864. doi: 10.1094/PDIS-03-15-0301-PDN

Giombolini, K., Chambers, K., Bowersox, J., and Henry, P. 2011. From turf to table: Grass seed to edible grains in the Willamette Valley. Journal of Agriculture, Food Systems, and Community Development. 2: 141-61. doi: 10.5304/jafscd.2011.021.008

Research Awards/Scholarships/Fellowships:

- **2017 through 2020 -National Science Foundation Graduate Research Fellowship**

- **2016 - William J. Moller Scholarship** - Granted one full quarter of Graduate Student Research stipend and tuition (est. value ~\$22,000). This scholarship is awarded to “a graduate student each year doing excellent mission-oriented research on diseases of crops important to California agriculture.”

- **2014 - Storkan-Hanes-McCaslin Foundation Research Award - \$10,000** - This research evaluates the ability of *Fusarium oxysporum* f. sp. *fragariae* to colonize and reproduce on broccoli, lettuce, and spinach, the crops most commonly grown in rotation with strawberries in California.

- **2010 - Willamette University Collins Scholarship**

- 2010 - Udall Scholarship Honorable Mention

Grants:

- 2017 - UC Davis DNA Technologies Core Pilot Grant - \$2,000

- 2016 - Western Sustainable Agriculture Research and Extension (WSARE) Graduate Student Grant - \$25,000 - This grant supports research of non-host colonization by *Fusarium oxysporum* f. sp. *fragariae* and extension of these findings to strawberry growers.

- 2016 - Jastro-Shields Research Award - \$3,000 - *Henry A. Jastro Research Scholarship Awards* are awarded to outstanding graduate students in recognition of their potential to carry out research projects related to the missions of the College of Agricultural and Environmental Sciences as outlined in written proposals.

- 2016 - UC Davis Bioinformatics Core Pilot Grant - \$2000 - Granted access to computing resources at the Bioinformatics Core (estimated value \$2000) to test the Falcon, HGAP3, and Canu programs for assembly of mid-sized fungal genomes.

- 2009 - Lilly Foundation Summer Vocational Research Grant - \$3000 - Received to study non-profit and private enterprise urban agriculture in Portland, OR.

Honors:

- 2011 - Willamette University Senior Key - "Senior Keys are presented to members of the senior class who are the most outstanding and who go above and beyond and stand out for their meritorious service to the Associated Students of Willamette University. These students are leaders of multiple clubs and are broadly recognized by the student body for their work. Recipients are selected based on their time and effort spent in the name of Willamette University, the diversity of their activities, and their impact on other students." -

<http://www.willamette.edu/dept/osa/honors/>

- 2011 - Department of Environmental Science Award for Outstanding Service and Community Outreach

Presentations at Conferences and Research Meetings:

- June 2017 - presented research on crop rotation for management of *Fusarium* wilt of strawberry to the California Strawberry Commission Fumigant Alternatives Group.

- August 2016 - Presented research at the International Society for Molecular Plant Microbe Interactions Bi-annual Congress. Title: "Comparative genomics of *Fusarium oxysporum* f. sp. *fragariae*."

- August 2015 - Presented research at the American Phytopathological Society Annual Meeting. Title: "The local population and methods for detection of *Fusarium oxysporum* f. sp. *fragariae*, cause of *Fusarium* wilt of strawberry, in California."

- April 2011 - Willamette University Student Scholarship Recognition Day. Title: "Green Fees for Sustainability Promotion at Willamette University."

- April 2009 - Willamette University Student Scholarship Recognition Day. Title: "Urban Agriculture: Cultivating Sustainable Civic Growth."

Guest Lectures:

- October 2016 - Guest seminar speaker at the UC Davis Bioinformatics Core. Title: "Fungal genome assembly using long-read sequencing data."

- November 2009 - Invited Guest Lecturer at the Institute for Continued Learning, Willamette University. Title: "The challenges and opportunities for urban agriculture in Portland, OR."