

Plant Pathology Seminar Series

“Applying Molecular Tools for IPM of Diseases in Central Oregon Specialty Crops”

Dr. Jeremiah Dung
Associate Professor

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Central Oregon Agricultural Research and Extension Center, Madras, OR



The application of molecular tools and approaches has advanced our understanding of the biology, epidemiology, and evolution of plant pathogens. Consequently, molecular biology has also gained increased importance in the identification, characterization, detection, and management of plant pathogens in agriculture. This seminar will discuss how molecular tools have been applied towards integrated pest management (IPM) of specialty crops in central Oregon, with a particular focus on Verticillium wilt of mint and ergot in grass seed production. Some of the challenges faced during the development, adoption, and integration of molecular tools into an IPM program will also be discussed.

Biography

Dr. Jeremiah Dung is an Associate Professor at Oregon State University in the Department of Botany and Plant Pathology. He is based at the Central Oregon Agricultural Research and Extension Center (COAREC) in Madras, OR. Before arriving at COAREC, Dr. Dung earned his M.S. and Ph.D. degrees in Plant Pathology at Washington State University and was a postdoctoral scholar at the OSU Hermiston Agricultural Research and Extension Center. Dr. Dung’s current research focuses on the epidemiology, population biology, and integrated disease management of plant diseases affecting seed and specialty crops in central Oregon.

4:10 pm | December 7th, 2020 | Plant Pathology 515, Fall 2020

Zoom Link and ID: <https://wsu.zoom.us/j/91621814000?pwd=MDVOY1prSOQybDRaMXNvTVNxTS82UT09>

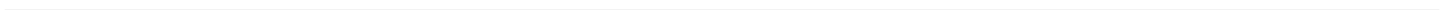
Meeting ID: 916 2181 4000 Passcode: 5353 Call in number: 1 253 215 8782



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