

WEDNESDAY

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4 PM - 5 PM

APPLE STEM NETWORK PRESENTS

# SCIENCE IN OUR VALLEY



SUPPORTED BY OUR VALLEY OUR FUTURE

## FITNESS COSTS OF FUNGICIDE RESISTANCE IN *PENICILLIUM EXPANSUM*

PRESENTED BY JONATHAN PUGLISI  
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Free & Open to the Public

No Registration Required

Intended for 'Science-Based' Audience

*Penicillium expansum* is the primary causal agent of blue mold, the most important postharvest decay of apple and pear in the pacific northwest (PNW) and worldwide. Blue mold is managed most effectively through sanitation and use of fungicides at harvest. Repetitive use of fungicides with the same mode of action has resulted in the evolution of resistance to one or multiple fungicides simultaneously in packinghouse populations of *P. expansum* in the PNW. There is limited research on the relationship between fungicide resistance and fitness in *P. expansum*, especially in regards to fungal isolates with resistance to multiple fungicides. Understanding this relationship may enable packers to better evaluate the risks posed by resistant populations of *P. expansum* and make informed decisions on fungicide application at harvest.

LOCATION: WSU TREE FRUIT RESEARCH & EXTENSION CENTER

1100 N WESTERN AVE, WENATCHEE, WA 98801

MORE INFO: [WWW.APPLESTEMNETWORK.ORG/SCIENCE-IN-OUR-VALLEY](http://WWW.APPLESTEMNETWORK.ORG/SCIENCE-IN-OUR-VALLEY)