

CURRICULUM VITAE

NAME

Stewart, Jane E

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

PHONE

(970) 491-8770

EDUCATION

2011 Ph D, Washington State University

2003 MS, University of Vermont

1999 BS, University of Oregon

OTHER POSITIONS

2015 - Present Assistant Professor, Colorado State University.

2013 - 2015 Postdoctoral Associate, University of Georgia.

2011 - 2012 Postdoctoral Associate, USDA ARS -Horticultural Crops Research Laboratory.

2006 - 2011 Graduate Research Assistant, Washington State University.

2003 - 2006 Biological Technician, USDA Forest Service.

PUBLISHED WORKS

Refereed Journal Articles

Stewart, J. E., Brooks, K., Brannen, P. M., Cline, W. O., Brewer, M. T. (2015). Elevated Genetic Diversity in the Emerging Blueberry Pathogen *Exobasidium maculosum*. *PLoS one*, 10(7), e0132545.

Stewart, J. E., Turner, N. A., Brewer, M. T. (2015). Evolutionary history and variation in host range of three *Stagonosporopsis* species causing gummy stem blight of cucurbits. *Fungal Biology*, 119(5), 370-382.

Huang, F., Fu, Y., Nie, D., Stewart, J. E., Peever, T. L., Li, H. (2015). Identification of a novel phylogenetic lineage of *Alternaria alternata* causing citrus brown spot in China. *Fungal Biology*, 119(5), 320-330.

Stewart, J. E., Timmer, L. W., Lawrence, C. B., Pryor, B. M., Peever, T. L. (2014). Discord between morphological and phylogenetic species boundaries: incomplete lineage sorting and recombination results in fuzzy species boundaries in an asexual fungal pathogen. *BMC evolutionary biology*, 14(1), 38.

Stewart, J. E., Kroese, D., Tabima, J. F., Larsen, M. M., Fieland, V. J., Press, C. M., Zasada, I. A., Gruenwald, N. J. (2014). Pathogenicity, Fungicide Resistance, and Genetic Variability of *Phytophthora rubi* Isolates from Raspberry (*Rubus idaeus*) in the Western United States. *Plant Disease*, 98(12), 1702-1708. <Go to

- Schoebel, C. N., Stewart, J. E., Grunwald, N. J., Rigling, D., Prospero, S. (2014). Population history and pathways of spread of the plant pathogen *Phytophthora plurivora*. *PLoS ONE*, 9(1), e85368.
- Stewart, J. E., Andrew, M., Bao, X., Chilvers, M. I., Carris, L. M., Peever, T. L. (2013). Development of sequence characterized amplified genomic regions (SCAR) for fungal systematics: proof of principle using *Alternaria*, *Ascochyta* and *Tilletia*. *Mycologia*, 105(4), 1077-1086.
- Stewart, J. E., Thomas, K. A., Lawrence, C. B., Dang, H., Pryor, B. M., Timmer, L., Peever, T. L. (2013). Signatures of recombination in clonal lineages of the citrus brown spot pathogen, *Alternaria alternata* sensu lato. *Phytopathology*, 103(7), 741-749.
- Ross-Davis, A., Stewart, J. E., Hanna, J., Kim, M., Knaus, B., Cronn, R., Rai, H., Richardson, B., McDonald, G., Klopfenstein, N. (2013). Transcriptome of an *Armillaria* root disease pathogen reveals candidate genes involved in host substrate utilization at the host-pathogen interface. *Forest Pathology*, 43(6), 468-477.
- Kim, M., Stewart, J. E., Dumroese, R. K., Klopfenstein, N. B. (2012). Occurrence of the Root Rot Pathogen, *Fusarium commune*, in Forest Nurseries of the Midwestern and Western United States. *Phytopathology*, 102(2), 112-114.
- Stewart, J. E., Abdo, Z., Dumroese, R., Klopfenstein, N., Kim, M. (2012). Virulence of *Fusarium oxysporum* and *F. commune* to Douglas-fir (*Pseudotsuga menziesii*) seedlings. *Forest Pathology*, 42(3), 220-228.
- Humann, J. L., Wildung, M., Cheng, C.-H., Lee, T., Stewart, J. E., Drew, J. C., Triplett, E. W., Main, D., Schroeder, B. K. (2011). Complete genome of the onion pathogen *Enterobacter cloacae* EcWSU1. *Standards in genomic sciences*, 5(3), 279.
- Stewart, J. E., Kawabe, M., Abdo, Z., Arie, T., Peever, T. L. (2011). Contrasting Codon Usage Patterns and Purifying Selection at the Mating Locus in Putatively Asexual *Alternaria* Fungal Species. *Plos One*, 6(5). <Go to ISI>://WOS:000290771200048
- Akamatsu, H. O., Chilvers, M. I., Stewart, J. E., Peever, T. L. (2010). Identification and function of a polyketide synthase gene responsible for 1, 8-dihydroxynaphthalene-melanin pigment biosynthesis in *Ascochyta rabiei*. *Current genetics*, 56(4), 349-360.
- Chilvers, M. I., Rogers, J. D., Dugan, F. M., Stewart, J. E., Chen, W., Peever, T. L. (2009). *Didymella pisi* sp. nov., the teleomorph of *Ascochyta pisi*. *Mycological research*, 113(3), 391-400.
- Stewart, J. E., Kim, M.-S., James, R. L., Dumroese, R. K., Klopfenstein, N. B. (2006). Molecular characterization of *Fusarium oxysporum* and *Fusarium commune* isolates from a conifer nursery. *Phytopathology*, 96(10), 1124-1133.
- Stewart, J. E., Halik, S., Bergdahl, D. (2004). Viability of *Sirococcus clavignenti-juglandacearum* conidia on exoskeletons of three coleopteran species. *Plant disease*, 88(10), 1085-1091.

Refereed Proceedings or Transactions

- Stewart, J. E., Kroese, D., Fieland, V., Zasada, I., Grunwald, N. (2013). *Isolation and detection of Phytophthora rubi in raspberry (Rubus idaeus) production in the western United States* (vol. 103, pp. 139-139). *Phytopathology*.
- Kim, M. K., Stewart, J. E., Ota, Y., Hanna, J., Ross-Davis, A., Klopfenstein, N. (2012). *Phylogenetic*

relationships among northern hemisphere Armillaria species based on the tef-1 alpha locus (vol. 102, pp. 63-64). *Phytopathology*.

Ross-Davis, A., Stewart, J. E., Hanna, J. R., Kim, M. K., Cronn, R., Rai, H., Richardson, B., McDonald, G., Klopfenstein, N. (2012). *Transcriptome characterization of an Armillaria root disease pathogen reveals candidate pathogenicity-related genes* (vol. 102, pp. 102-103). *Phytopathology*.

Ross-Davis, A. L., Stewart, J. E., Hanna, J. W., Kim, M. S., Cronn, R., Rai, H., Richardson, B. R., McDonald, G. I., Klopfenstein, N. B. (2011). *De novo sequence assembly and transcriptome characterization of an Armillaria solidipes mycelial fan*. 59th Western International Forest Disease Work Conference.

Stewart, J. E., Ozkilinc, H., Timmer, L., Pryor, B., Peever, T. (2011). *Evolutionary history and species boundaries of the citrus brown spot fungus* (vol. 101, pp. S171-S171). *Phytopathology*.

Peever, T., Drader, T., Njambere, E., Attanayake, R., Stewart, J. E. (2009). *Cloning and characterization of anonymous regions of Ascochyta lentis and a. Fabae genomes and suitability of these regions for phylogenetic analysis of Ascochyta species*. Second International Ascochyta Workshop.

Stewart, J. E., Kawabe, M., Arie, T., Peever, T. (2009). *Purifying selection and biased codon usage at the mating locus in Alternaria* (vol. 99, pp. S124-S125). *Phytopathology*.

Mondal, S., Stewart, J. E., Peever, T., Timmer, L. (2007). *Isolates of Alternaria alternata doubly pathogenic to rough lemon and tangerines* (vol. 97, pp. S79-S79). *Phytopathology*.

Stewart, J. E., Kim, M. K., James, R., Dumroese, R., Klopfenstein, N. (2006). *Molecular characterization of Fusarium oxysporum and F-commune isolates collected from a conifer nursery* (vol. 96, pp. S111-S111). *Phytopathology*.

Stewart, J. E., Kim, M.-S., James, R., Dumroese, R., Klopfenstein, N. (2004). *Molecular characterization of Fusarium oxysporum from tree nurseries: tools for early detection of pathogens* (vol. 94, pp. S99-S99). *Phytopathology*.

Stewart, J. E., Halik, S., Bergdahl, D. R. (2004). *Viability of Sirococcus clavignenti juglandacearum conidia on exoskeletons of three coleopteran species*. the IUFRO Working Party 7.02.02 Shoot and Foliage diseases.

Non-Refereed Journal Articles

Rippy, R. C., Stewart, J. E., Zambino, P. J., Klopfenstein, N. B., Tirocke, J. M., Kim, M.-S., Thies, W. G. (2005). *Root diseases in coniferous forests of the Inland West: potential implications of fuels treatments. The Bark Beetles, Fuels, and Fire Bibliography*(Gen. Tech. Rep. RMRS-GTR-141), 32.

Abstract

Stewart, J. E., Kim, M. S., Shuey, L., Sahashi, N., Ota, Y., Ashiglar, S., Schlub, R. L., Cannon, P. G., Klopfenstein, N. B. (2015). *Population genomic analyses of the brown root-rot pathogen, Phellinus noxius, examine potential introductions to the Pacific islands* (vol. 105, pp. 132). *Phytopathology*.

Stewart, J. E., Abdo, Z., Glenn, A. E. (2014). *Gene clusters FDB1 and FDB2 in Fusarium verticillioides were acquired through multiple horizontal gene transfer events* (11th ed., vol. 104, pp. 114-114). *Phytopathology*. <Go to ISI>://WOS:000346303300650

Stewart, J. E., Glenn, T., Brewer, M. T. (2014). *RADseq: A population genomics tool to study the genetic diversity of Exobasidium sp., an emerging blueberry pathogen* (11th ed., vol. 104, pp. 153-153). *Phytopathology*. <Go

to ISI>://WOS:000346303301078

Ross-Davis, A., Stewart, J. E., Shaw, J., Kim, M., Klopfenstein, N. (2013). *Metagenomic approaches for surveying forest soil microbial communities on permanent plots* (vol. 103, pp. 123). *Phytopathology*.

Bao, X., Stewart, J. E., Carris, L. (2011). *How many species cause common and dwarf bunt of wheat* (vol. 101, pp. S13). *Phytopathology*.

Stewart, J. E., Abdo, Z., Dumroese, R., Klopfenstein, N. B., Kim, M. K. (2011). *Virulence of Fusarium root-disease pathogens (Fusarium oxysporum and F. commune) to Douglas-fir (Pseudotsuga menziesii)* (6th ed., vol. 101, pp. S171-S171). *Phytopathology*. <Go to ISI>://WOS:000295045401420

Halik, S., Stewart, J. E., Bergdahl, D. (2006). *Viability of Sirococcus clavignenti-juglandacearum conidia in beetle fecal pellets* (6th ed., vol. 96). *Phytopathology*.

Halik, S., Stewart, J. E., Bergdahl, D. R. (2002). *Comparison of butternut curculio wounds and artificial wounds as infection courts for Sirococcus clavignenti-juglandacearum on butternut seedlings* (6th ed., vol. 93, pp. 135). *Phytopathology*.

Stewart, J. E., Halik, S., Bergdahl, D. R. (2002). *Conidiospores of the butternut canker fungus carried on the exoskeletons of three different potential beetle vectors* (6th ed., vol. 93, pp. 133). *Phytopathology*.

Technical Report

McDonald, G. I., Tanimoto, P. D., Rice, T. M., Hall, D. E., Stewart, J. E., Zambino, P. J., Tonn, J. R., Klopfenstein, N. B., Kim, M.-S. (2005). *Root Disease Analyzer—Armillaria Response Tool (ART)* (Research Note RMRSRN-23-13-WWW. ed.). USDA Forest Service, Rocky Mountain Research Station, Fort Collins, CO: Environmental Consequences Fact Sheet: 13.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

November 2015, "The impact of crown fire on dwarf mistletoe populations thirty years post-fire", 6th International Fire Ecology and Management Congress: Advancing Ecology in Fire Management, (Presenter) Ritter, S., Hoffman, C. M., Zimmerman, T., Ex, S., Stewart, J.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	BSPM698 - Research	18	12
2016	Spring	BSPM530 - Scientific Writing	1	0
2015	Fall	BSPM365 - Integrated Tree Health Management	4	40
2015	Fall	BSPM365 - Integrated Tree Health Management-Lab	0	20
2015	Fall	BSPM365 - Integrated Tree Health Management-Lab	0	20

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Fall	BSPM Foundations – Invasive species		
2015	Fall	Viticulture – Diseases of Grapes		
2015	Spring	PL 3010: Fungi: Friends and Foes – Associations of fungi and insects		

2014	Fall	PL 4200: Introductory Mycology – Zygomycota, Chytridiomycota, and Oomycota
2014	Spring	PL 3010: Fungi: Friends and Foes – Associations of fungi and insects
2013	Fall	PL 4200: Introductory Mycology – Zygomycota, Chytridiomycota, and Oomycota

COMMITTEES

Faculty Honors Council, (2015 - Present).

Scholarship Selection Committee, (2015 - Present).

Hiring Committee, Department of Forest and Rangeland Stewardship, Forest Entomologist, (2015 - 2016).

Hiring Committee, Microbiome of Plant Systems, (2015 - 2016).
