CURRICULUM VITAE

NAME

Jane E Stewart

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

ACADEMIC POSITIONS

2018-2019 - Assistant Professor (College of Agricultural Sciences)

OTHER POSITIONS

2015 - Present Assistant Professor, Colorado State University, Fort Collins, CO, United States.

PUBLISHED WORKS

Refereed Journal Articles

Davis, S. S., Horne, F. B., Yetter, J. C., Stewart, J. E. (2018). Engelmann Spruce Chemotypes in Colorado and their Effects on Symbiotic Fungi Associated with the North American Spruce Beetle. *Journal of chemical ecology*, 1--10., Peer Reviewed/Refereed

Davis, S. S., Stewart, J. E., Mann, A. J., Bradley, C., Hofstetter, R. W. (2018). Evidence for multiple ecological roles of Leptographium abietinum, a symbiotic fungus associated with the North American spruce beetle. *Fungal Ecology*., Peer Reviewed/Refereed

Miller, S. T., Otto, K., Sterle, D. G., Minas, I., Stewart, J. E. (2018). Preventive Fungicidal Control of Cytospora leucostoma in Peach Orchards in Colorado. *Plant Disease*., Peer Reviewed/Refereed

Sitz, R. A., Snelling, J. W., Ibarra Caballero, J. R., Zerillo, M. M., Kathleen, A., Cranshaw, W. S., Tisserat, N. A., Stewart, J. E. (2018). Drippy Blight, a Disease of Red Oaks in Colorado, U.S., Produced from the Combined Effect of the Scale Insect Allokermes galliformis and the Bacterium Lonsdalea quercina subsp. quercina. *Arboriculture and Urban Forestry, 44(3)*, 146–153.. https://www.fs.fed.us/rm/pubs_journals/2018/rmrs_2018_sitz_r002.pdf, Peer Reviewed/Refereed

Ritter, S. M., Hoffman, C. M., Stewart, J. E., Zimmerman, T. (2018). The influence of prescribed crown fire on Lodgepole Pine Dwarf Mistletoe (Arceuthobium americium populations 33 years post-fire. *Forest Pathology*., Peer Reviewed/Refereed

Sitz, R. A., Zerillo, M. M., Snelling, J. W., Caballero, J. I., Alexander, K., Nash, K., Tisserat, N. A., Cranshaw, W. S., Stewart, J. E. (2018). Drippy Blight, a Disease of Red Oaks in Colorado, U.S., Produced from the Combined Effect of the Scale Insect Allokermes galliformis and the Bacterium Lonsdalea quercina subsp. quercina. *Arboriculture and Urban Forestry, 44*(3), 146--152., Peer Reviewed/Refereed

Sitz, R., Luna, E., Tisserat, N., Caballero, J., Cranshaw, W., Stewart, J. (2017). Virulence of genetically distinct Geosmithia morbida isolates to black walnut and their response to co-inoculation with Fusarium solani. *Plant Disease, 101*((1)), 116-120., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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 ISI>://WOS:000348827600016, Peer Reviewed/Refereed

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. *PLoSONE, 9*(1), e85368., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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, 160*(2), 112-114., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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, Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

Stewart, J. E., Halik, S., Bergdahl, D. (2004). Viability of Sirococcus clavigignenti-juglandacearum conidia on exoskeletons of three coleopteran species. *Plant disease, 88*(10), 1085-1091., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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

Non-Refereed Journal Articles

Stewart, J. E., Ross-Davis, A., Graça, R., Alfenas, A., Peever, T., Hanna, J., Uchida, J., Hauff, R., Kadooka, C., Kim, M.-S., others (2018). Genetic diversity of the myrtle rust pathogen (Austropuccinia psidii) in the Americas and Hawaii: Global implications for invasive threat assessments. *Forest Pathology*(10.1111/efp.12378)., Not Peer Reviewed/Refereed

Stewart, J. E., Kim, M. S., Klopfenstein, N. B. (2018). Molecular Genetic Approaches Toward Understanding Forest-Associated Fungi and Their Interactive Roles Within Forest Ecosystems. *Current Forestry Reports*, 1--13., Not Peer Reviewed/Refereed

Ritter, S., Hoffman, C. M., Stewart, J. E., Zimmerman, T. (2018). The influence of prescribed crown fire on lodgepole pine dwarf mistletoe (Arceuthobium americanum) populations 33 years post-fire. *Forest Pathology*, e12419., Not Peer Reviewed/Refereed

Jongbum, J., K.-T. Kim., H.-J. Song, G.-W. Lee,, K. Cheong, H. Kim, G. Choi, Y.-H. Lee,, JE Stewart, N. B. Klopfenstein, M.-S. Kim (2017). Draft Genome Sequence of the Fungus Associated with Oak-Wilt Mortality in South Korea, Raffaelea quercus-mongolicae KACC44405. *Genome Announcements, 5*(e00829)., Not Peer Reviewed/Refereed

Stewart, J. E., Ross-Davis, A., Graça, R., Alfenas, A., Peever, T., Hanna, J., Uchida, J., Hauff, R., Kadooka, C., Kim, M.-S., others (2017). Genetic diversity of the myrtle rust pathogen (Austropuccinia psidii) in the Americas and Hawaii: Global implications for invasive threat assessments. *Forest Pathology*(10.1111/efp.12378)., Not Peer Reviewed/Refereed

Ritter, S. M., Hoffman, C. M., Ex, S., Stewart, J. E. (2017). Impacts of lodgepole pine dwarf mistletoe (Arceuthobium americanum) infestation on stand structure and fuel load in lodgepole pine dominated forests in central Colorado. *BOTANY, 95*(3), 307-321., Not Peer Reviewed/Refereed

Stewart, J., Otto, K., Cline, G., Dumroese, R., Klopfenstein, N., Kim, M.-S. (2016). First Report of Fusarium proliferatum Causing Fusarium Root Disease on Sugar Pine (Pinus lambertiana) in a Forest Container Nursery in California. *Plant Disease*., Not Peer Reviewed/Refereed

Kolb, T. E., Fettig, C. J., Ayres, M. P., Bentz, B. J., Hicke, J. A., Mathiasen, R., Stewart, J. E., Weed, A. S. (2016). Observed and anticipated impacts of drought on forest insects and diseases in the United States.

Forest Ecology and Management., Not Peer Reviewed/Refereed

Glenn, A. E., Davis, C. B., Gao, M., Gold, S. E., Mitchell, T. R., Proctor, R. H., Stewart, J. E., Snook, M. E. (2016). Two Horizontally Transferred Xenobiotic Resistance Gene Clusters Associated with Detoxification of Benzoxazolinones by Fusarium Species. *PloS one, 11*(1), e0147486., Not Peer Reviewed/Refereed

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., Not Peer Reviewed/Refereed

Stewart, J. E., Miller, S. T., Minas, I. (2018). *Preventive Control for Cytospora Canker on Peach* (pp. Fact Sheet No. 2.954).: Colorado State University Extension. https://extension.colostate.edu/topic-areas/agriculture/12556-2/, Peer Reviewed/Refereed

Klopfenstein, N., Stewart, J. E., Ota, Y., Hanna, J., Richardson, B., Ross-Davis, A., Elías-Roman, R., Korhonen, K., Keča, N., Iturritxa, E., Alvarado-Rosales, D., Solheim, H., Brazee, N., Łakomy, P., Cleary, M., Hasegawa, E., Kikuchi, T., Garza-Ocañas, F., Tsopelas, P., Rigling, D., Prospero, S., Tsykun, T., Bérubé, J. A., Stefani, F. O. P., Jafarpour, S., Antonín, V., Tomšovský, M., McDonald, G.I., Woodward, S., Kim, M.-S. (2017). *Insights into the phylogeny of Northern Hemisphere Armillaria: split-network and Bayesian analyses of translation elongation factor 1-α gene sequences*.: Mycologia., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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, Peer Reviewed/Refereed

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, Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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

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, Peer Reviewed/Refereed

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

Halik, S., Stewart, J. E., Bergdahl, D. R. (2002). *Comparison of butternut curculio wounds and artificial wounds*

as infection courts for Sirococcus clavigignenti-juglandacearum on butternut seedlings (6th ed., vol. 93, pp. 135).: Phytopathology., Peer Reviewed/Refereed

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., Peer Reviewed/Refereed

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.).: Environmental Consequences Fact Sheet: 13., Not Peer Reviewed/Refereed

Tenure and Promotion Evidence of Teaching Effectiveness (Tenure and Promotion Input)

Development of New Courses
Forest Health Issues Fall, 2016

Development of New Teaching Techniques

Integration of Service Learning

Conference/Workshop Assessments

Participation in Professional Development Activities Related to Teaching

Professional Consultation Related to Teaching

Other Evidence

COMMITTEES

Faculty Honors Council, (2015 - Present).

Scholarship Selection Committee, (2015 - Present).

College-Wide Scholarship Selection Committee, (January 2015 - Present).

Seminar series, (September 2017 - Present).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Society of American Foresters. (January 2015 - Present).

Mycological Society of America. (January 1, 2008 - Present).

American Phytopathological Society. (January 1, 2003 - Present).

AgInfo.net - Maura Bennett.

Good Fruit.

Editor, Associate Editor, Forest Pathology Journal. (July 2017 - Present).

Committee Chair, Society of American Foresters. (October 2017 - October 2020).

Committee Member, Western International Forest Disease Workshop Conference. (May 2017 - May 2019).

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