

Timothy David Miles

Assistant Professor / Extension Specialist
 Michigan State University
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Education

Ph.D., Plant Pathology, 2011, Michigan State University, East Lansing, MI USA
 Dissertation: Infection of blueberries by *Colletotrichum acutatum*: host defenses, inheritance of resistance and environmental effects.
 B.S., Biology, December 2005, Western Michigan University, Kalamazoo, MI USA

Employment

Assistant Professor, Michigan State University, Department of Plant, Soil and Microbial Sciences, East Lansing, MI USA
 July 2018 – present. Appointment: 45% Research, 45% Extension, and 10% Teaching
 Adjunct Research Professor, California State University-Monterey Bay, School of Natural Sciences, Seaside, CA USA July 2018 - Present
 Assistant Professor, California State University-Monterey Bay, School of Natural Sciences, Seaside, CA USA January 2015- July 2018
 Adjunct Faculty Instructor, Hartnell Community College, Salinas, CA USA August 2014 - May 2018.
 Research Plant Pathologist GS-11 Step 2. USDA-Agricultural Research Service, Crop Improvement and Protection Research Unit, Salinas, CA USA. April 2013 – January 2015.
 Postdoctoral Researcher, Potato Pathology Laboratory. Dept. of Plant, Soil, and Entomological Sciences, University of Idaho, Aberdeen, ID USA. February 2012 – March 2013.
 Research Assistant, Small Fruit Pathology Laboratory. Dept. of Plant Pathology, Michigan State University, East Lansing, MI USA. August 2006 – February 2012.

General Areas of Expertise

Focused on diseases of hops, blueberries, grapes and other berry crops. Topics of study currently include mycology, genomics, population genetics, pathogen detection, molecular diagnostics and host resistance. For more information follow these external links for more up to date information:

- [Google Scholar](#) for a complete list of publications.
- [Twitter](#) to see current information and up to date extension.
- [Small Fruit and Hop Pathology program](#) website at Michigan State University.

RESEARCH

Peer reviewed publications

Primary author listed first, * denotes if the publication is peer-reviewed. †denotes Products Authored or Coauthored by Undergraduate Student Mentees. ††denotes Products Authored or Coauthored by Graduate Student Mentees †††denotes Products Authored or Coauthored by Postdoctoral Advisees. Bold indicates Timothy Miles. Full manuscripts denoted as (M), Plant Disease Notes (PDN), and Plant Disease Management Reports (PDMR).

Peer Reviewed Publications	Full Manuscripts (M)	Plant Disease Notes (PDN)	Plant Disease Management Reports (PDMR)	Total
During MSU appointment	26	4	22	52
Prior to MSU	16	9	6	31
Total	42	13	28	83

- 1.) *Sharma, N.††, Neill, T., Yang, H-C., Oliver, C., Mahaffee, W., Naegele, R., Moyer, M., **Miles, T.** 2022. Development of a competitive PNA-LNA-LAMP assay to detect a SNP associated with QoI resistance in *Erysiphe necator*. Plant Dis. (Being reviewed by coauthors, close to submission). (M)
- 2.) *Miles, L., Sharma, N.††, **Miles, T.** 2022. Timing of primary inoculum release by *Erysiphe necator* in relation to environmental conditions in Michigan. American Journal of Enology and Viticulture. (Being reviewed by coauthors, close to submission). (M)
- 3.) *D’Arcangelo, K., Wallace, E., **Miles, T.**, Quesada-Ocampo, L. 2022. Carboxylic acid amide but not Quinone outside inhibitor fungicide resistance mutations show clade-specific occurrence in *Pseudoperonospora cubensis* causing downy mildew in commercial and wild cucurbits. Phytopathology (Being reviewed by coauthors, close to submission). (M)
- 4.) *Shemanski, S.††, Longley, R., Hatlen††, R. J., Heger, L. ††, Sharma, N. ††, Bonito, G., **Miles, T.D.** 2022. The fungal blueberry fruit microbiome by varies tissue type and fungicide treatment. Phytobiomes. (submitted). (M)
- 5.) *Neugebauer, K.†††, Gina, D.†, **Miles, T.** 2022. Models for apothecial emergence and ascospore discharge of *Monilinia vaccinii-corymbosi* in Michigan blueberry fields. Plant Health Progress. (submitted). (M)
- 6.) *Naegele, R., Abdelsamad, N., DeLong, J., Saito, S., Xiao, C., **Miles, T.** 2022. Fungicide resistance and host influence on population structure in *Botrytis* spp. from specialty crops in CA. Phytopathology (accepted with revision). (M)
- 7.) *Higgins, D., **Miles, T.D.**, Byrne, J., Hausbeck, M. 2022. Optimizing molecular detection for the hop downy mildew pathogen *Pseudoperonospora humuli* in plant tissue. Phytopathology. (accepted with revision). (M)
- 8.) *Alvarez-Osorio, A.†, Miles, L., **Miles, T.** 2022. Mummy berry caused by *Monilinia vaccinii-corymbosi*: a diagnostic guide. Plant Health Progress. (in press). (M)
- 9.) *Hatlen, R.J.††, Gillett, J.M., Neugebauer, K., Sysak, R.W., **Miles, T.D.** 2022. Evaluation of fungicides for control of downy mildew and halo blight in hops, 2021. Plant Disease Management Reports. 16 (published in August) (PDMR)
- 10.) ***Miles, T.D.**, Hancock, J. 2022. Inheritance of resistance to anthracnose fruit rot caused by *Colletotrichum acutatum* in highbush blueberry. Int. J. Fruit Sci. 22:160-169. (M)
- 11.) *Crandall, S.G., Spychalla, J., Crouch, U., Flor, A., Naegele, R.P., **Miles, T.D.** 2022. Rotting grapes don’t improve with age: cluster rot disease complexes, management and future prospects. Plant Disease Feature Article (in First Look) (M)
- 12.) *Stergiopoulos, I., Aoun, N., van Huynh, Q., Neill, T., Lowder, S., Newbold, C., Cooper, M., Ding, S., Moyer, M., **Miles, T.**, Oliver, C., Urbez-Torres, J., Mahaffee, M. 2022. Identification of putative SDHI target-site mutations in the SDHB, SDHC, and SDHD subunits of the grape powdery mildew pathogen *Erysiphe necator*. Plant Dis. (in First Look) (M)
- 13.) *Hatlen, R. ††, Higgins, D., Venne, J., Rojas, J.A., Hausbeck, M., **Miles, T.** 2021. First report of halo blight of hop (*Humulus lupulus*) caused by *Diaporthe humulicola* in Quebec, Canada. Plant Dis. (in First Look). (PDN)

- 14.) *Higgins, D., **Miles, T.D.**, Hausbeck, M. 2021. Fungicide efficacy against *Pseudoperonospora humuli* and assessment of point-mutations linked to carboxylic acid amide (CAA) resistance in Michigan. *Plant Dis.* 105: 1880-1889. (M)
- 15.) *Purayannur, S., Gent, D.H., **Miles, T.D.**, Radisek, S., Quesada-Ocampo, L.M. 2021. The hop downy mildew pathogen *Pseudoperonospora humuli*. *Molecular Plant Pathology.* 22 755-768 (M)
- 16.) *Naegele, R.P., Delong, J., Abdelsamad, N., Saito, S., Alzohairy, S.A. †††, **Miles, T.D.** 2021. Population genetic analyses of *Botrytis cinerea* isolates from Michigan vineyards using a high-throughput marker system approach. *Frontiers in Microbiology* 17: 705 (M)
- 17.) *Higgins, D., Hatlen, R.††, Byrne, J., Sakalidis, M., **Miles, T.D.**, Hausbeck, M. 2021. Etiology of halo blight in Michigan hopyards. *Plant Dis.* 105 859-872. (M)
- 18.) *Oliver, C.L., Cooper, M.L., Lewis Ivey, M.L., Brannen, P.M., **Miles, T.D.**, Mahaffee, W.F., Moyer, M. 2021. Assessing the United States grape industry's understanding of fungicide resistance mitigation practices for grapevine powdery mildew (*Erysiphe necator*). *American Journal of Enology and Viticulture.* 72: 181-193 (M)
- 19.) *Salcedo, A., Purayannur, S., Standish, J.R., **Miles, T.D.**, Thiessen, L., Quesada-Ocampo, L.M. 2021. Fantastic downy mildew pathogens and how to find them: Advances in detection and diagnostics. *Plants.* 10, 435 (M)
- 20.) *Alzohairy, S.A.†††, Gillett, J., Saito, S., Naegele, R., Xiao, C.L., **Miles, T.D.** 2021. Fungicide resistance profiles of *Botrytis cinerea* isolates from Michigan vineyards and development of a TaqMan assay for detection of fenhexamid resistance. *Plant Dis.* 105: 285-294. (M)
- 21.) ***Miles, T.D.**, Neill, T., Colle, M.†††, Warneke, B., Robinson, G., Stergiopoulos, I., Mahaffee. 2021. Allele-specific detection methods for QoI fungicide resistant *Erysiphe necator* in vineyards. *Plant Dis.* 105:175-182 (M)
- 22.) *Wise, J., Miles, L.A., Acimovic, D., Vandervoort, C., Isaacs, R., **Miles, T.D.**, Schilder, A.M.C. 2020. Sprayer type and water volume influence spatial patterns of pesticide deposition and control of diseases and insect pests of highbush blueberries. *Int. J. Fruit Sci.* 20:1805-1818. (M)
- 23.) *Purayannur, S., **Miles, T.D.**, Gent, D.H., Pigg, S., Quesada-Ocampo, L.M. 2020. Hop downy mildew caused by *Pseudoperonospora humuli*: a diagnostic guide. *Plant Health Progress* 21:173–179. (M)
- 24.) *McCoy, A.G., **Miles, T.D.**, Bilodeau, G.J., Woods, P., Blomquist, C., Martin, F.N., Chilvers, M.I. 2020. Validation of a preformulated, field deployable, recombinase polymerase amplification assay for *Phytophthora* species. *Plants* 9:466. (M)
- 25.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2020. Evaluating fungicides for control of mummy berry in blueberries, 2019. *Plant Disease Management Reports.* 15:PF066. (PDMR)
- 26.) *Gillett, J.M., Sysak, R.W., Smith, R.L., **Miles, T.D.** 2020. Evaluation of fungicides for control of powdery mildew in wine grapes, 2019. *Plant Disease Management Reports.* 15:PF067. (PDMR)
- 27.) *Gillett, J.M., Sysak, R.W., Smith, R.L., **Miles, T.D.** 2020. Evaluation of fungicides for control of foliar and fruit diseases of juice grapes, 2019. *Plant Disease Management Reports.* 15:PF068. (PDMR)
- 28.) *Hatlen, R.J.††, Gillett, J.M., Sysak, R.W., Smith, R.L., **Miles, T.D.** 2020. Evaluation of fungicides for control of downy mildew in hops, 2019. *Plant Disease Management Reports.* 15:OT018. (PDMR)

- 29.) *Belise, R. J., McKee, B, Hao, W., **Miles, T.D.**, Adaskaveg, J., Manosalva, P. 2019. Phenotypic characterization of genetically distinct *Phytophthora cinnamomi* isolates from avocado. *Phytopathology*. 109:384-394. (M)
- 30.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluating fungicides for control of mummy berry in blueberries, 2018. *Plant Disease Management Reports*. 13:PF009. (PDMR)
- 31.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of fungicides for control of foliar and fruit diseases of juice grapes, 2018. *Plant Disease Management Reports*. 13:PF003. (PDMR)
- 32.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of fungicides for control of powdery mildew on leaves and clusters, 2018. *Plant Disease Management Reports*. 13:PF004. (PDMR)
- 33.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of fungicides for control of disease in Niagara grapes, 2018. *Plant Disease Management Reports*. 13:PF005. (PDMR)
- 34.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of organic products for control of powdery mildew and botrytis fruit rot in tunnel-grown raspberries, 2018. *Plant Disease Management Reports*. 13:PF007. (PDMR)
- 35.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of fungicides for control of powdery mildew and botrytis fruit rot in tunnel-grown raspberries, 2018. *Plant Disease Management Reports*. 13:PF008. (PDMR)
- 36.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2019. Evaluation of fungicides for control of leaf and fruit rot diseases in matted-row strawberry, 2018. *Plant Disease Management Reports*. 13:PF006 (PDMR)
- 37.) *Crandall, S.G.†††, Rahman, A., Quesada-Ocampo, L., Martin, F. **Miles, T.D.** 2018. Advances in diagnostics of downy mildews: lessons learned from other oomycetes and future challenges. *Plant Dis. Feature Article* 102:265-275. (M)
- 38.) *Hao, W., **Miles, T.D.**, Martin, F.N., Browne, G.T., Forster, H., Adaskaveg, J. 2018. Temporal occurrence and niche preferences of *Phytophthora* species causing brown rot of citrus in the Central Valley of California. *Phytopathology* 108:384-391. (M)
- 39.) ***Miles, T.D.**, Glass, B.W., Sysak, R.W., Schilder, A.M.C. 2018. Post-plant strategies for management of black root rot-related decline of perennial strawberry fields. *Crop Protection* 104:78-85. (M)
- 40.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluating fungicides for control of Botrytis blossom blight in blueberries, 2017. *Plant Disease Management Reports* 12:PF087. (PDMR)
- 41.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluating fungicides for control of mummy berry in blueberries, 2017. *Plant Disease Management Reports* 12:PF088. (PDMR)
- 42.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicide programs for control of sour rot in grapes, 2017. *Plant Disease Management Reports* 12:PF060. (PDMR)
- 43.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of foliar and fruit diseases of juice grapes, 2017. *Plant Disease Management Reports* 12:PF066. (PDMR)
- 44.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of powdery mildew on grape leaves and clusters, 2017. *Plant Disease Management Reports* 12:PF067. (PDMR)
- 45.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of Botrytis bunch rot, 2017. *Plant Disease Management Reports* 12:PF068. (PDMR)

- 46.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of diseases in wine grapes, 2017. Plant Disease Management Reports 12:PF070. (PDMR)
- 47.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of disease in Niagara grapes, 2017. Plant Disease Management Reports 12:PF071. (PDMR)
- 48.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of powdery mildew and Botrytis in tunnel-grown raspberries, 2017. Plant Disease Management Reports 12:PF059. (PDMR)
- 49.) *Gillett, J.M., Sysak, R.W., **Miles, T.D.** 2018. Evaluation of fungicides for control of leaf and fruit rot diseases in matted-row strawberry, 2017. Plant Disease Management Reports 12:PF063. (PDMR)
- 50.) *Tsuchida, C.T., Mauzey, S. J., Hatlen, R.†, **Miles, T.D.**, Koike, S.T. 2018. First report of *Pythium* root rot caused by *Pythium mastophorum* on Parsley in the United States. Plant Dis. 102: 1671. (PDN)
- 51.) *Shands, A.C.†, Crandall, S.G.†††, Ho, T., **Miles, T.D.** 2018. First report of leaf rust on southern highbush blueberry caused by *Thekopsora minima* in California. Plant Dis. 102:1171. (PDN)
- 52.) *Shands, A.C.†, Crandall, S.G.†††, **Miles, T.D.** 2018. First report of leaf rust on California blackberry (*Rubus ursinus*) caused by *Kuehneola uredinis* in California. Plant Dis. 102:682. (PDN)
- 53.) *Rahman, A., **Miles, T.D.**, Martin F.N., Quesada-Ocampo, L. 2017. Novel approaches for development of biosurveillance tools for the cucurbit downy mildew pathogen *Pseudoperonospora cubensis*. Canadian Journal of Plant Pathology. 3: 282-296. (M)
- 54.) *Rojas, A., **Miles, T.D.**, Coffey, M., Martin, F., Chilvers, M. 2017. Development and application of qPCR and RPA genus and species-specific detection of *Phytophthora sojae* and *Phytophthora sansomeana* root rot pathogens of soybean. Plant Disease 101:1171-1181. (M)
- 55.) ***Miles, T.D.**, Robideau, G., Martin, F., Bilodeau, G. and Coffey, M. 2017. Systematic development of *Phytophthora* species-specific mitochondrial diagnostic markers for economically important members of the genus. Plant Disease 101:1162-1170. (M)
- 56.) *Shands, A.C.†, Crandall, S.G.†††, and **Miles, T.D.** 2017. First report of the ability of *Olpidium virulentus* to vector Blueberry Mosaic Associated Virus (BIMaV) on southern highbush blueberry in California. Plant Disease 101:1683. (PDN)
- 57.) ***Miles, T.D.**, Koike, S., Olmstead, M. 2017. Evaluation of commonly grown commercial strawberry varieties for susceptibility to Gray mold and Rhizopus fruit rot, 2015 and 2016. Plant Disease Management Reports (Report 11:SMF033). (PDMR)
- 58.) *McArt S., **Miles T.D.**, Rodriguez-Saona, C., Schilder, A., Adler, L., Grieshop, M. 2016. Floral scent mimicry and the transmission of a pollinator-vectored plant pathogen. PLOS One DOI:10.1371/journal.pone.0165761. (M)
- 59.) *Shands, A.C.†, Yamagata, J.†, Wright, A., and **Miles, T.D.** 2016. First report of *Phytophthora cinnamomi* causing root rot of southern highbush blueberry in California. Plant Disease 100: 537. (PDN)
- 60.) *Cerdeira, J.†, and **Miles, T.D.** 2016. First report of leaf rust caused by *Uromyces probus* on *Sisyrinchium bellum* in California. Plant Disease 100: 523. (PDN)
- 61.) ***Miles, T.D.**, Martin, F. and Coffey, M. 2015. Development of rapid isothermal amplification assays for detection of *Phytophthora* species in plant tissue. Phytopathology 105:265-278. (M)

- 62.) *Miles, T.D., Miles, L., Fairchild, K., and Wharton, P.S. 2014. Screening and characterization of the resistance to succinate dehydrogenase inhibitors in *Alternaria solani*. *Plant Pathology* 63: 155-164. (M)
- 63.) *Miles, T.D., and Schilder, A.M.C. 2013. Host defenses associated with fruit infections by *Colletotrichum* species with an emphasis on anthracnose of blueberries. *Plant Health Progress*. doi:10.1094/PHP-2013-1125-01-RV. (M)
- 64.) *Miles, T.D., Gillett, J., and Schilder, A.M.C. 2013. The effect of environmental factors on infection of blueberry fruit by *Colletotrichum acutatum*. *Plant Pathology* 62: 1238-1247. (M)
- 65.) *Miles, T.D., Nair, M., Vandervoort, C., and Schilder, A.M.C. 2013. Characterization and biological activity of flavonoids from ripe fruit of an anthracnose resistant blueberry cultivar. *Physiological and Molecular Plant Pathology* 83:8-16. (M)
- 66.) *Fairchild, K., Miles, T.D., and Wharton, P.S. 2013. Assessing fungicide resistance in populations of *Alternaria solani* in Idaho potato fields. *Crop Protection*. 49:31-9. (M)
- 67.) *Wood, E., Miles, T.D., and Wharton, P.S. 2013. The use of natural plant volatile compounds for the control of potato postharvest diseases, black dot, silver scurf, and soft rot. *Biological Control*. 64:152-159. (M)
- 68.) *Miles, T.D., Woodhall, J., Miles, L.A. and Wharton, P.S. 2013. First report of a binucleate *Rhizoctonia* (AG-A) from potato stems infecting potatoes and sugar beets in the Pacific Northwest. *Plant Disease* 97: 1657. (PDN)
- 69.) *Miles, T.D., Fairchild, K., Kirk, W., and Wharton, P.S. 2013. First report of boscalid and penthiopyrad-resistant isolates of *Alternaria solani* causing early blight of potato in Michigan. *Plant Disease* 97: 1655. (PDN)
- 70.) *Wharton, P., Miles, T.D., Fairchild K. and Carrillo, H. 2013. Evaluation of in-furrow and foliar treatments for the control of potato pink rot, 2012. *Plant Disease Management Reports (Report 7:V115)*. (PDMR)
- 71.) *Wharton, P., Miles, T.D., Fairchild K. and Carrillo, H. 2013. Evaluation of seed and in-furrow treatments for control of *Rhizoctonia* stem canker and black scurf of potato, 2012. *Plant Disease Management Reports (Report 7:V114)*. (PDMR)
- 72.) *Wharton, P., Miles, T.D., Fairchild K. and Carrillo, H. 2013. Evaluation of in-furrow and foliar treatments for the control of potato *Pythium* leak in Idaho, 2012. *Plant Disease Management Reports (Report 7:V112)*. (PDMR)
- 73.) *Wharton, P., Miles, T.D., Fairchild K. and Carrillo, H. 2013. Evaluation of fungicide programs for potato early blight and black dot control, 2012. *Plant Disease Management Reports (Report 7:V044)*. (PDMR)
- 74.) *Wharton, P., Miles, T.D., Fairchild K. and Carrillo, H. 2013. Evaluation of fungicide programs for potato gray mold and white mold control, 2012. *Plant Disease Management Reports (Report 7:V043)*. (PDMR)
- 75.) *Miles, L., Miles, T.D., Kirk, W., and Schilder, A.M.C. 2012. Strobilurin (QoI) resistance in populations of *Erysiphe necator* on grapes in Michigan. *Plant Disease* 96:1621-1628. (M)
- 76.) *Miles, T.D., Hancock, J., Callow, P., and Schilder, A.M.C. 2012. Evaluation of screening methods and fruit composition in relation to anthracnose fruit rot resistance in blueberries. *Plant Pathology* 61:555-566. (M)
- 77.) *Miles, T.D., Day, B. and Schilder, A.M.C. 2011. Identification of differentially expressed genes in a resistant versus a susceptible blueberry cultivar after infection by *Colletotrichum acutatum*. *Molecular Plant Pathology* 12:463-477. (M)

- 78.) *Sadowsky, J., **Miles, T.D.** and Schilder, A.M.C. 2011. First report of stem rot caused by *Calonectria colhounii* (anamorph: *Cylindrocladium colhounii*) on greenhouse-grown blueberries in the United States. Plant Disease 95:187. (PDN)
- 79.) *Schilder, A.M.C. and **Miles, T.D.** 2011. First report of blueberry leaf rust caused by *Thekopsora minima* on *Vaccinium corymbosum* in Michigan. Plant Disease 95: 768. (PDN)
- 80.) ***Miles, T.D.**, Woelk, C., Rojas, A., and Schilder, A.M.C. 2011. First report of Pythium root rot in blueberry in the United States. Plant Disease 95: 614. (PDN)
- 81.) ***Miles, T.D.**, Wharton, P.S., and Schilder, A.M.C. 2009. Cytological and chemical evidence for an active resistance response to infection by *Colletotrichum acutatum* in ‘Elliott’ blueberries. Acta Horticulturae (ISHS) 810:810:361-368. (M)
- 82.) ***Miles, T.D.**, and Schilder, A.M.C. 2009. Correlation of signs and symptoms of mummy berry in highbush blueberry. Acta Horticulturae (ISHS) 810:379-384. (M)
- 83.) ***Miles, T.D.**, and Schilder, A.M.C. 2009. First report of grape root rot caused by *Roesleria subterranea* on grapes in Michigan. Plant Disease 93: 765. (PDN)

Research Presentations

†denotes Products Authored or Coauthored by Undergraduate Student Mentees. ††denotes Products Authored or Coauthored by Graduate Student Mentees. †††denotes Products Authored or Coauthored by Postdoctoral Advisees. Bold indicates Timothy Miles.

Invited presentations

- 1.) **Miles, T.D.** Invited Oral presentation May 2022. Fantastic Pathogens In Specialty Crops And Where To Find Them. UC Riverside (held virtually).
- 2.) **Miles, T.D.** Invited Oral presentation May 2022. Fantastic molecular diagnostic tools: and how to use them to control fungicide resistance. University of Delaware (held virtually).
- 3.) **Miles, T.D.** Invited Oral presentation November 2021. Building a Framework to revamp the management of small fruit and hop diseases. Cornell University (held virtually).
- 4.) **Miles, T.D.** Invited Oral presentation September 2021. A framework for managing of small fruit and hop diseases. September 2021. Rutgers University, New Brunswick, NJ (held in-person).
- 5.) **Miles, T.D.** Small Fruit and Hop Pathology Project GREEN Presentation. March 2021. Michigan State University AgBio Research Talk for Project GREEN (held virtually).
- 6.) **Miles, T.D.** Building a Framework to revamp the management of small fruit and hop diseases. September 2020. Michigan State University Departmental Seminar East Lansing, MI (held virtually).
- 7.) **Miles, T.D.** Invited Oral presentation January 2020. From the bench to the field: using molecular tools to diagnose issues in small fruit pathology. Invited by Plant Pathology graduate students. University of Wisconsin, Madison WI.
- 8.) **Miles, T.D.** Invited Oral presentation April 2018. Pathogen detection in the genomics era. Invited by Plant Pathology graduate students. UC Davis, Davis CA.

- 9.) **Miles, T.D.** Invited Oral presentation, February 2018. Using genomic resources to develop novel molecular diagnostic tools for economically important plant pathogens. Invitation by graduate students. UC Riverside, Riverside CA.
- 10.) **Miles, T.D.** Invited Oral presentation, August 2017. Transferring PCR assays into isothermal platforms. American Phytopathological Society, special session on diagnostic development. San Antonio, TX.
- 11.) **Miles, T.D.** Invited Oral presentation, June 2017. Novel diagnostic techniques for plant doctors. Universidad de los Andes, Bogota Colombia.
- 12.) **Miles, T.D.** Oral presentation, December 2012. Invited speaker for British Society of Plant Pathology Meeting, Norwich, UK. All expenses were covered.

Other presentations

- 1.) Alzohairy, S., †††, Heger, L. ††, Nikzainalalam, N., **Miles, T.D.** 2021. Cross resistance of SDHIs in *Botrytis cinerea* and response of SDHB mutations. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 2.) Hatlen, R. ††, Sysak, R., **Miles, T.D.** 2021. Investigating chemical control options for halo blight of hops. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 3.) Heger, L. ††, Sharma, N. ††, Martin, F., **Miles, T.D.** 2021. Analysis and improvement of *Plasmopara* genus- and species-specific diagnostic markers for detection in vineyards. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 4.) Yang, H-C., DeLong, J., Saito, S., Wang, F., **Miles, T.D.**, Xiao, C-L., Naegele, R.P. 2021. Grape powdery mildew spray programs affect non-target fungi populations differentially in California vineyards. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 5.) Shemanski, S. ††, Hatlen, R. ††, Heger, L. ††, Sharma, N. ††, Bonito, G., Langley, R., **Miles, T.D.** 2021. The effect of tissue type and fungicides on the fruit microbiome of highbush blueberry. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 6.) Thompson, S. ††, Edgar, P., **Miles, T.D.** 2021. ImageJ analyses of blueberry selections infected with *Colletotrichum fioriniae*. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 7.) Sharma, N. ††, Heger, L. ††, **Miles, T.D.** 2021. Assessment of fungicide resistant *Plasmopara viticola* populations in vineyards of the Great Lakes region. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 8.) Gil, J., **Miles, T.D.**, Rojas, A. 2021. Comparative analyses of effector and CAZyme profiles in binucleate *Rhizoctonia* isolates. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 9.) D'Arcangelo, K., Rahman, A., **Miles, T.D.** Quesada, L.M. 2021. Distribution of alleles related to carboxylic acid amide and quinone outside inhibitor resistance in host-adapted clades of *Pseudoperonospora cubensis*. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).

- 10.) Lowder, S., Neill, T., **Miles, T.D.**, Moyer, M., Ding, S., Oliver, C., Butler, C., Walgenbach, P., Mahaffee, W. 2021. Spatial and temporal trends in G143A caused QoI resistance in *Erysiphe necator* across the growing season in the western US. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 11.) Gil, J., Colle, M. †††, **Miles, T.D.**, Rojas, A. 2021. Draft genomes and comparative analyses of binucleate *Rhizoctonia* isolates. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 12.) D’Arcangelo, K., Rahman, A., **Miles, T.D.** Quesada, L.M. 2021. Utilizing a population genetics approach to facilitate crop-specific management of the cucurbit downy mildew pathogen, *Pseudoperonospora cubensis*. Poster presentation, August 2021. Annual American Phytopathological Society Meeting (held virtually).
- 13.) Gil, J., Colle, M. †††, **Miles, T.D.**, Rojas, A. 2020. Genome assembly and comparative genomics of plant associated *Rhizoctonia* spp. Poster presentation, August 2020. Annual American Phytopathological Society Meeting, Denver, CO (held virtually).
- 14.) Yang, H-C., DeLong, J., Saito, S., Wang, F., **Miles, T.D.**, Xiao, C-L., Naegele, R.P. 2020. Effects of fungicide spray programs for powdery mildew on fungicide resistance in non-target *Botrytis* species from grape vineyards in California. Poster presentation, August 2020. Annual American Phytopathological Society Meeting, Denver, CO (held virtually).
- 15.) Oliver, C.L., Cooper, M.L., Lewis Ivey, M.L., Brannen, P.M., **Miles, T.D.**, Mahaffee, W.F., Moyer, M. 2020. National survey of grower knowledge and perceptions of *Erysiphe necator* fungicide resistance in US Vineyards. Poster presentation, August 2020. Annual American Phytopathological Society Meeting, Denver, CO (held virtually).
- 16.) D’Arcangelo, K., Rahman, A., **Miles, T.D.** Quesada, L.M. 2020. Leveraging population genetics to develop disease control practices: A study in crop-specific management of cucurbit downy mildew. Poster presentation, August 2020. Annual American Phytopathological Society Meeting, Denver, CO (held virtually).
- 17.) Colle, M. †††, Neill, T., Warneke, B., Mahaffee, B., **Miles, T.D.** 2019. Allele-specific detection methods for QoI and DMI fungicide resistant *Erysiphe necator* isolates in vineyards. Poster presentation, August 2019. Annual American Phytopathological Society Meeting, Cleveland, OH.
- 18.) Sharma, N. ††, Colle, M. †††, Neill, T., Mahaffee, W., **Miles, T.D.** 2019. Development of a rapid isothermal assays to detect QoI resistance in *Erysiphe necator* the causal agent of grape powdery mildew. Poster presentation, August 2019. Annual American Phytopathological Society Meeting, Cleveland, OH.
- 19.) Alzohairy, S.A. †††, Gillett, J.M., Saito, S., Naegele, R.P., Xiao, C.L., **Miles, T.D.** 2019. Monitoring Fungicide Resistance in *Botrytis cinerea* on grapes in Michigan. Poster presentation, August 2019. Annual American Phytopathological Society Meeting, Cleveland, OH.
- 20.) Lowder, S., Neill, T., Moyer, M.M., **Miles, T.D.**, Mahaffee, W. 2019. Rapid sampling techniques to monitor quinone outside inhibitor fungicide resistant *Erysiphe necator*. Poster presentation, August 2019. Annual American Phytopathological Society Meeting, Cleveland, OH.

- 21.) Higgins, D.S., Byrne, J.M., Hausbeck, M., **Miles, T.D.** 2019. An emerging pathogen (*Diaporthe* sp.) of hop (*Humulus lupulus*) associated with foliar necrosis in commercial production yards in Michigan. Poster presentation, August 2019. Annual American Phytopathological Society Meeting, Cleveland, OH.
- 22.) Crandall, S.G. †††, **Miles, T.D.** 2018. The avocado root phytobiome: microbial community structure under abiotic and biotic stress. Poster presentation, August 2018. International Congress of Plant Protection meeting. Boston, MA.
- 23.) D'Arcangelo, K., **Miles, T.D.**, Quesada, L.M. 2018. *Pseudoperonospora cubensis* populations infecting wild and commercial cucurbit hosts display host-specific sensitivity to fungicides. Poster presentation, August 2018. International Congress of Plant Protection meeting. Boston, MA.
- 24.) Crandall, S.G. †††, Manosalva, P.M. and **Miles, T.D.** 2017. Optimizing the molecular tools for *Phytophthora cinnamomi* detection in environmental samples. Poster presentation, August 2017. American Phytopathological Society Annual meeting. San Antonio, TX.
- 25.) **Miles, T.D.**, Coasts, K.P., Chastagner, G.A., Martin, F.N. 2017. Utilizing mitochondrial markers and T-RFLP data to identify *Phytophthora* species in mixed environmental samples. Poster presentation, August 2017. American Phytopathological Society Annual meeting. San Antonio, TX.
- 26.) **Miles, T.D.**, and Martin, F.N. 2017. Mitochondrial markers to detect *Pythium* at a genus and species-specific level using TaqMan and recombinase polymerase amplification. Poster presentation, August 2017. American Phytopathological Society Annual meeting. San Antonio, TX.
- 27.) D'Arcangelo, K., **Miles, T.D.**, Quesada-Ocampo, L. 2017. Occurrence of fungicide resistance in *Pseudoperonospora cubensis* populations causing cucurbit downy mildew in commercial and wild hosts. Poster presentation, August 2017. American Phytopathological Society Annual meeting. San Antonio, TX.
- 28.) **Miles, T.D.**, Schweigkofler, W., Sharma, S., Luecke, N.†, Kosta, K.L., Suslow, K. 2017. Assessing the potential for *Phytophthora* to move between native plant nurseries and interstate shipping nurseries. Poster presentation, August 2017. American Phytopathological Society Annual meeting. San Antonio, TX.
- 29.) Shands, A.C.†, Wallace, E., **Miles, T.D.** Quesada-Ocampo, L. 2017. Detection of fungicide-resistant *Pseudoperonospora cubensis* isolates using molecular techniques. Poster presentation, March 2017. Oomycete Molecular Genetics Network Meeting, Pacific Grove, CA
- 30.) Cerda, J. †, **Miles, T.D.** 2016. Identification of genomics-based detection assays for *Rhizoctonia solani* anastomosis groups. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 31.) Dabbah, G.†, Schilder, A.C., **Miles, T.D.** 2016. Apothecial emergence and ascospore discharge of *Monilinia vaccinii-corymbosi* in northern highbush blueberries. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 32.) Luecke, N.†, Koenig, S., **Miles, T.D.** 2016. Development of molecular diagnostic tools for the invasive oomycete pathogen *Phytophthora tentaculata*. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 33.) Shands, A.C.†, **Miles, T.D.** 2016. The ability of *Oplidium brassicae* to vector blueberry mosaic associated virus in southern highbush blueberry. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.

- 34.) Yamagata, J.†, Warneke, B., Neill, T., Mahaffee, W., Miles, L., Schilder, A.C., **Miles, T.D.** 2016. Detection of *Erysiphe necator* fungicide resistant alleles in environmental samples using a TaqMan assay. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 35.) **Miles, T.D.**, Burkhardt, A., Martin, F. 2016. Utilizing mitochondrial loci to develop TaqMan and recombinase polymerase amplification assays for the genus *Pythium*. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 36.) Warneke, B., Yamagata, Y.†, Neill, T., **Miles, T.D.**, Mahaffee, W. 2016. Detection of QoI and SBI resistant isolates of *Erysiphe necator* in Oregon. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 37.) Burkhardt, A., **Miles, T.D.**, Ramon, M.L., Koike, S.T., Martin, F. 2016. Rapid diagnostic tools for soilborne pathogens of strawberry. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 38.) Hao, W., Forster, H., **Miles, T.D.**, Martin, F.N., Browne, G.T., Adaskaveg, J.E. 2016. A leaf litter and fruit brown rot lifestyle of *Phytophthora syringae* in California citrus. Poster presentation, August 2016. Annual American Phytopathological Society Meeting, Tampa, FL.
- 39.) **Miles, T.D.** Poster presentation, June, 2016. Sixth Annual Sudden Oak Death Conference. San Francisco, CA.
- 40.) **Miles, T.D.**, Martin, F., Coffey, M. 2016. Development of recombinase polymerase amplification assays to rapidly detect *Phytophthora* species on plant samples. Poster presentation, March 2016. National Plant Health Diagnostic Network Meeting, Washington, DC.
- 41.) Luecke, N.†, Koenig, S., **Miles, T.D.** 2016. Development of molecular diagnostic tools for the invasive oomycete pathogen *Phytophthora tentaculata*. Poster presentation, March 2016. National Plant Health Diagnostic Network Meeting, Washington, DC.
- 42.) **Miles, T.D.**, Martin, F., 2015. Systematic development of species-specific assays for important *Phytophthora* spp. using recombinase polymerase amplification. Invited Oral presentation, August 2015. Annual American Phytopathological Society Meeting, Pasadena, CA
- 43.) **Miles, T.D.**, Robideau, G., Martin, F., Bilodeau, G. and Coffey, M. 2015. A systematic approach to develop species-specific markers for *Phytophthora* spp. using a mitochondrial locus. Poster presentation, August 2015. Annual American Phytopathological Society Meeting, Pasadena, CA
- 44.) Hao, W., **Miles, T.D.**, Martin, F., Forster, H., Adaskaveg, J. 2015. Distribution and frequency of *Phytophthora* species causing brown rot of citrus in the Central Valley of California. Poster presentation, August 2015. Annual American Phytopathological Society Meeting, Pasadena, CA
- 45.) **Miles, T.D.**, Martin, F., 2015. New advances in molecular diagnostics for *Phytophthora tentaculata*. Oral presentation, August 2015. Annual American Phytopathological Society Meeting, Pasadena, CA
- 46.) **Miles, T.D.**, Martin, F.N. 2015. Mitochondrial marker systems for studying *Phytophthora* and *Pythium* communities. Oral presentation, March 2015. Oomycete Molecular Genetics Network Meeting, Pacific Grove, CA

- 47.) **Miles, T.D.**, Martin, F. and Coffey, M. 2014. Rapid isothermal detection and species-specific assay of *Phytophthora* in plant samples using recombinase polymerase amplification. Oral presentation, August 2014. Annual American Phytopathological Society Meeting, Minneapolis, MN
- 48.) **Miles, T.D.**, Robideau, G., Martin, F., Bilodeau, G. and Coffey, M. 2014. Validation of a TaqMan diagnostic assay for the systematic development of *Phytophthora* genus and species-specific markers. Poster presentation, August 2014. Annual American Phytopathological Society Meeting, Minneapolis, MN
- 49.) **Miles, T.D.** Poster presentation, July 2014 Oomycete Molecular Genetics Network Meeting, Norwich UK.
- 50.) **Miles, T.D.** Oral presentation, March 2014. 60th Conference on Soilborne Plant Pathogens, San Rafael, CA.
- 51.) **Miles, T.D.**, Woodhall, J., Miles, L. and Wharton, P.S. 2012. Characterization of *Rhizoctonia solani* anastomosis groups on potato in the Pacific Northwest of the United States. Poster presentation, December 2012, British Society of Plant Pathology Meeting. Norwich, UK
- 52.) **Miles, T.D.**, and Schilder, A.M.C. 2012. Infection of blueberries by *Colletotrichum acutatum*: host defenses, inheritance of resistance, and environmental effects. Oral presentation, August 2012. Invited speaker for Melhus symposium. Annual American Phytopathological Society Meeting, Providence, RI.
- 53.) **Miles, T.D.** Presented poster, August 2012. Annual American Phytopathological Society Meeting, Providence, RI
- 54.) **Miles, T.D.** Oral presentation, November 2011. Departmental Defense Research Seminar. Dept. of Plant Pathology, Michigan State University, East Lansing, MI
- 55.) **Miles, T.D.**, Nair, M., Vandervoort, C. and Schilder, A.M.C. 2011. Antifungal compounds in ripe fruit from a resistant blueberry cultivar suppress infection by *Colletotrichum acutatum*. Presented poster, August 2011. Annual American Phytopathological Society Meeting, Honolulu, HI
- 56.) **Miles, T.D.**, Hancock, J., Callow, P. and Schilder, A.M.C. 2010. Anthracnose fruit rot resistance in blueberries: Evaluation of a rapid screening technique and correlation with fruit characteristics. Presented poster, August 2010. Annual American Phytopathological Society Meeting, Charlotte, NC
- 57.) Avila, L., **Miles, T.D.**, Kirk, W., and Schilder, A.M.C. 2010. Screening for strobilurin (QoI) resistance in grape powdery mildew populations in Michigan. Presented poster, August 2010. Annual American Phytopathological Society Meeting, Charlotte, NC
- 58.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Appressorium formation and growth of *Colletotrichum acutatum* at different temperatures and stages of blueberry fruit development. Oral presentation, August 2009. Annual American Phytopathological Society Meeting, Portland, OR
- 59.) **Miles, T.D.**, and Schilder, A.M.C. 2009. First report of grape root rot caused by *Roesleria subterranea* in Michigan.
- 60.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Evaluation of different inoculation techniques for resistance screening of blueberry fruit to anthracnose fruit rot. Presented poster, August 2009. Annual American Phytopathological Society Meeting, Portland, OR
- 61.) **Miles, T.D.**, Presented poster, July 2008. 9th International *Vaccinium* Meeting, Corvallis, OR

Scientific abstracts

- 1.) Alzohairy, S., †††, Heger, L. ††, Nikzainalalam, N., **Miles, T.D.** 2021. Cross resistance of SDHIs in *Botrytis cinerea* and response of SDHB mutations. Plant Health 2021.
- 2.) Hatlen, R. ††, Sysak, R., **Miles, T.D.** 2021. Investigating chemical control options for halo blight of hops. Plant Health 2021.
- 3.) Heger, L. ††, Sharma, N. ††, Martin, F., **Miles, T.D.** 2021. Analysis and improvement of *Plasmopara* genus- and species-specific diagnostic markers for detection in vineyards. Plant Health 2021.
- 4.) Yang, H-C., DeLong, J., Saito, S., Wang, F., **Miles, T.D.**, Xiao, C-L., Naegele, R.P. 2021. Grape powdery mildew spray programs affect non-target fungi populations differentially in California vineyards. Plant Health 2021.
- 5.) Shemanski, S. ††, Hatlen, R. ††, Heger, L. ††, Sharma, N. ††, Bonito, G., Langley, R., **Miles, T.D.** 2021. The effect of tissue type and fungicides on the fruit microbiome of highbush blueberry. Plant Health 2021.
- 6.) Thompson, S. ††, Edgar, P., **Miles, T.D.** 2021. ImageJ analyses of blueberry selections infected with *Colletotrichum fioriniae*. Plant Health 2021.
- 7.) Sharma, N. ††, Heger, L. ††, **Miles, T.D.** 2021. Assessment of fungicide resistant *Plasmopara viticola* populations in vineyards of the Great Lakes region. Plant Health 2021.
- 8.) Gil, J., **Miles, T.D.**, Rojas, A. 2021. Comparative analyses of effector and CAZyme profiles in binucleate *Rhizoctonia* isolates. Plant Health 2021.
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- 15.) Oliver, C.L., Cooper, M.L., Lewis Ivey, M.L., Brannen, P.M., **Miles, T.D.**, Mahaffee, W.F., Moyer, M. 2020. National survey of grower knowledge and perceptions of *Erysiphe necator* fungicide resistance in US Vineyards. Plant Health 2020.
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- 17.) Colle, M.†††, Neill, T., Warneke, B., Mahaffee, B., **Miles, T.D.** 2019. Allele-specific detection methods for QoI and DMI fungicide resistant *Erysiphe necator* isolates in vineyards. Plant Health 2019
- 18.) Sharma, N.††, Colle, M.†††, Neill, T., Mahaffee, W., **Miles, T.D.** 2019. Development of a rapid isothermal assays to detect QoI resistance in *Erysiphe necator* the causal agent of grape powdery mildew. Plant Health 2019.
- 19.) Alzohairy, S.A. †††, Gillett, J.M., Saito, S., Naegele, R.P., Xiao, C.L., **Miles, T.D.** 2019. Monitoring Fungicide Resistance in *Botrytis cinerea* on grapes in Michigan. Plant Health 2019.
- 20.) Lowder, S., Neill, T., Moyer, M.M., **Miles, T.D.**, Mahaffee, W. 2019. Rapid sampling techniques to monitor quinone outside inhibitor fungicide resistant *Erysiphe necator*. Plant Health 2019.
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- 22.) Lowder, S., Neill, T., Moyer, M.M., **Miles, T.D.**, Mahaffee, W. 2018. Chasmothecia sampling as a pre-season indicator of QoI fungicide resistance in *Erysiphe necator*. Phytopathology S1.82.
- 23.) Crandall, S.G.†††, **Miles, T.D.** 2018. The avocado root phytobiome: microbial community structure under abiotic and biotic stress. Phytopathology S1.82.
- 24.) D'Arcangelo, K., **Miles, T.D.**, Quesada, L.M. 2018. *Pseudoperonospora cubensis* populations infecting wild and commercial cucurbit hosts display host-specific sensitivity to fungicides. Phytopathology S1.82.
- 25.) Crandall, S.G.†††, Manosalva, P.M. and **Miles, T.D.** 2017. Optimizing the molecular tools for *Phytophthora cinnamomi* detection in environmental samples. Phytopathology S5.54.
- 26.) **Miles, T.D.**, Coasts, K.P., Chastagner, G.A., Martin, F.N. 2017. Utilizing mitochondrial markers and T-RFLP data to identify *Phytophthora* species in mixed environmental samples. Phytopathology S5.58.
- 27.) **Miles, T.D.**, and Martin, F.N. 2017. Mitochondrial markers to detect *Pythium* at a genus and species-specific level using TaqMan and recombinase polymerase amplification. Phytopathology S5.62.
- 28.) D'Arcangelo, K., **Miles, T.D.**, Quesada-Ocampo, L. 2017. Occurrence of fungicide resistance in *Pseudoperonospora cubensis* populations causing cucurbit downy mildew in commercial and wild hosts. Phytopathology S5.63.
- 29.) **Miles, T.D.**, Schweigkofler, W., Sharma, S., Luecke, N.†, Kosta, K.L., Suslow, K. 2017. Assessing the potential for *Phytophthora* to move between native plant nurseries and interstate shipping nurseries. Phytopathology S5.105.
- 30.) Shands, A.C.†, Wallace, E., **Miles, T.D.** Quesada-Ocampo, L. 2017. Detection of fungicide-resistant *Pseudoperonospora cubensis* isolates using molecular techniques. OMGN Abstract Book.
- 31.) Cerda, J.†, **Miles, T.D.** 2016. Identification of genomics-based detection assays for *Rhizoctonia solani* anastomosis groups. Phytopathology S4.112
- 32.) Dabbah, G.†, Schilder, A.C., **Miles, T.D.** 2016. Apothecial emergence and ascospore discharge of *Monilinia vaccinii-corymbosi* in northern highbush blueberries. Phytopathology S4.132
- 33.) Luecke, N.†, Koenig, S., **Miles, T.D.** 2016. Development of molecular diagnostic tools for the invasive oomycete pathogen *Phytophthora tentaculata*. Phytopathology S4.115
- 34.) Shands, A.C.†, **Miles, T.D.** 2016. The ability of *Olpidium brassicae* to vector blueberry mosaic associated virus in southern highbush blueberry. Phytopathology S4.135

- 35.) Yamagata, J.†, Warneke, B., Neill, T., Mahaffee, W., Miles, L., Schilder, A.C., **Miles, T.D.** 2016. Detection of *Erysiphe necator* fungicide resistant alleles in environmental samples using a TaqMan assay. *Phytopathology* S4.111
- 36.) **Miles, T.D.**, Burkhardt, A., Martin, F. 2016. Utilizing mitochondrial loci to develop TaqMan and recombinase polymerase amplification assays for the genus *Pythium*. *Phytopathology* S4.115
- 37.) Warneke, B., Yamagata, Y.†, Neill, T., **Miles, T.D.**, Mahaffee, W. 2016. Detection of QoI and SBI resistant isolates of *Erysiphe necator* in Oregon. *Phytopathology* S4.71.
- 38.) Burkhardt, A., **Miles, T.D.**, Ramon, M.L., Koike, S.T., Martin, F. 2016. Rapid diagnostic tools for soilborne pathogens of strawberry. *Phytopathology* S4.113
- 39.) Hao, W., Forster, H., **Miles, T.D.**, Martin, F.N., Browne, G.T., Adaskaveg, J.E. 2016. A leaf litter and fruit brown rot lifestyle of *Phytophthora syringae* in California citrus. *Phytopathology* S4.132
- 40.) **Miles, T.D.**, Martin, F., Coffey, M. 2016. Development of recombinase polymerase amplification assays to rapidly detect *Phytophthora* species on plant samples. National Plant Diagnostic Network Meeting Abstract.
- 41.) Luecke, N.†, Koenig, S., **Miles, T.D.** 2016. Development of molecular diagnostic tools for the invasive oomycete pathogen *Phytophthora tentaculata*. National Plant Diagnostic Network Meeting Abstract.
- 42.) **Miles, T.D.**, Martin, F., 2015. Systematic development of species-specific assays for important *Phytophthora* spp. using recombinase polymerase amplification. *Phytopathology* 105:S4.96
- 43.) **Miles, T.D.**, Robideau, G., Martin, F., Bilodeau, G. and Coffey, M. 2015. A systematic approach to develop species-specific markers for *Phytophthora* spp. using a mitochondrial locus. *Phytopathology* 105:S4.96
- 44.) Hao, W., **Miles, T.D.**, Martin, F., Forster, H., Adaskaveg, J. 2015. Distribution and frequency of *Phytophthora* species causing brown rot of citrus in the Central Valley of California. *Phytopathology* 105:S4.57
- 45.) **Miles, T.D.**, Martin, F., 2015. New advances in molecular diagnostics for *Phytophthora tentaculata*. *Phytopathology* 105:S4.165.
- 46.) **Miles, T.D.**, Martin, F.N. 2015. Mitochondrial marker systems for studying *Phytophthora* and *Pythium* communities. Oomycete Molecular Genetics Network Meeting Abstracts.
- 47.) **Miles, T.D.**, Martin, F. and Coffey, M. 2014. Rapid isothermal detection and species-specific assay of *Phytophthora* in plant samples using recombinase polymerase amplification. *Phytopathology* 104:S3.80
- 48.) **Miles, T.D.**, Robideau, G., Martin, F., Bilodeau, G. and Coffey, M. 2014. Validation of a TaqMan diagnostic assay for the systematic development of *Phytophthora* genus and species-specific markers. *Phytopathology* 104:S3.80
- 49.) Wood, E., **Miles, T.D.** and Wharton, P.S. 2013. Factors affecting black dot development in storage. Abstract/Poster. American Phytopathological Society, Austin, TX. *Phytopathology* 103:S2.161.
- 50.) **Miles, T.D.**, and Schilder, A.M.C. 2012. Blueberry fruit infection caused by *Colletotrichum acutatum*: associated host defences and screening methods. Abstract/Oral. British Society of Plant Pathology Meeting, Norwich UK.
- 51.) **Miles, T.D.**, Woodhall, J., Miles, L. and Wharton, P.S. 2012. Characterization of *Rhizoctonia solani* anastomosis groups on potato in the Pacific Northwest of the United States. Abstract/Poster. British Society of Plant Pathology Meeting, Norwich UK.

- 52.) **Miles, T.D.**, and Schilder, A.M.C. 2012. Infection of blueberries by *Colletotrichum acutatum*: host defenses, inheritance of resistance, and environmental effects. Abstract/Oral: American Phytopathological Society, Providence, RI. Phytopathology 102:S4.150.
- 53.) Fairchild, K., Miles, L., **Miles, T.D.**, and Wharton, P.S. 2012. Detection and characterization of boscalid resistance in *Alternaria solani* causing early blight on potatoes in Idaho. Abstract/Poster: American Phytopathological Society, Providence, RI. Phytopathology 102:S4.36.
- 54.) **Miles, T.D.**, Nair, M., Vandervoort, C. and Schilder, A.M.C. 2011. Antifungal compounds in ripe fruit from a resistant blueberry cultivar suppress infection by *Colletotrichum acutatum*. Abstract/Poster: American Phytopathological Society, Honolulu, HI. Phytopathology 101:S120.
- 55.) **Miles, T.D.**, Hancock, J., Callow, P. and Schilder, A.M.C. 2010. Anthracnose fruit rot resistance in blueberries: Evaluation of a rapid screening technique and correlation with fruit characteristics. Abstract/Poster: American Phytopathological Society, Charlotte, NC. Phytopathology 100:S83.
- 56.) Avila, L., **Miles, T.D.**, Kirk, W., and Schilder, A.M.C. 2010. Screening for strobilurin (QoI) resistance in grape powdery mildew populations in Michigan. Abstract/Poster: American Phytopathological Society, Charlotte, NC. Phytopathology 100:S9.
- 57.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Appressorium formation and growth of *Colletotrichum acutatum* at different temperatures and stages of blueberry fruit development. Abstract/Oral: American Phytopathological Society, Portland, OR. Phytopathology 99:S86.
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- 67.) Reinke, M., East, K., Perkins, J., Trammel, M., Isaacs, R., **Miles, T.**, Sabbatini, P. June 17, 2020. Michigan grape scouting report – June 17, 2020. <https://www.canr.msu.edu/news/michigan-grape-scouting-report-june-17-2020>
- 68.) Reinke, M., East, K., Perkins, J., Trammel, M., Isaacs, R., **Miles, T.**, Sabbatini, P. June 10, 2020. Michigan grape scouting report – June 10, 2020. <https://www.canr.msu.edu/news/michigan-grape-scouting-report-june-10-2020>
- 69.) Reinke, M., East, K., Perkins, J., Trammel, M., Isaacs, R., **Miles, T.**, Sabbatini, P. June 3, 2020. Michigan grape scouting report – June 3, 2020. <https://www.canr.msu.edu/news/michigan-grape-scouting-report-june-3-2020>
- 70.) **Miles, T.**, Longstroth, M., Reinke, M., Miles, L. June 2, 2020. Twig and blossom blights in Michigan blueberries. <https://www.canr.msu.edu/news/twig-and-blossom-blights-in-michigan-blueberries>
- 71.) Lizotte, E., **Miles, T.** May 28, 2020. Managing hop powdery mildew in Michigan in 2020. <https://www.canr.msu.edu/news/managing-hop-powdery-mildew-in-michigan>

- 72.) **Miles, T.**, Longstroth, M. May 28, 2020. Blueberry growers need to focus on Anthracnose fruit rot as bloom ends. <https://www.canr.msu.edu/news/blueberry-growers-focus-on-anthracnose-fruit-rot-as-bloom-ends>
- 73.) Reinke, M., East, K., Isaacs, R., **Miles, T.**, Perkins, J., Sabbatini, P., Trammel, M., Chaudhari, S. May 27, 2020. MSU Extension's grape scouting reports for 2020. <https://www.canr.msu.edu/news/msu-extensions-vineyard-pest-scouting-reports>
- 74.) Reinke, M., East, K., Perkins, J., Trammel, M., Isaacs, R., **Miles, T.**, Sabbatini, P. May 27, 2020. Michigan grape scouting report. <https://www.canr.msu.edu/news/grape-scouting-report-may-27-2020>
- 75.) Lizotte, E., **Miles, T.** May 6, 2020. Managing hop downy mildew in Michigan. <https://www.canr.msu.edu/news/managing-hop-downy-mildew-in-michigan>
- 76.) Miles, L., Byrne, J., Gillett, J., Longstroth, M., Isaacs, R., **Miles, T.** Managing grapevine leafroll disease. <https://www.canr.msu.edu/news/managing-grapevine-leafroll-disease>
- 77.) **Miles, T.** Longstroth, M. April 21, 2020. Mummy berry has returned and new products are available for control. <https://www.canr.msu.edu/news/mummy-berry-has-returned-and-new-products-are-available-for-control>
- 78.) **Miles, T.** April 18, 2020. New Michigan Blueberry Facts on Alternaria fruit rot now available. <https://www.canr.msu.edu/news/new-michigan-blueberry-facts-on-alternaria-fruit-rot-now-available>
- 79.) East, K., Longstroth, M., Reinke, M., Isaacs, R., **Miles, T.** Sabbatini, P. March 16, 2020. Southwest Michigan grape meeting dates set for 2020. <https://www.canr.msu.edu/news/southwest-michigan-grape-meeting-dates>
- 80.) **Miles, T.**, Isaacs, R., Landis, J., Marienfeld, M., Perkins, J., Miles, L., Sabbatini, P., Chaudhari, S., East, K., M., Longstroth. February 13, 2020. Mobile-friendly guide for grape IPM scouting is now available. <https://www.canr.msu.edu/news/mobile-friendly-guide-for-grape-ipm-scouting>
- 81.) Todaro, T., **Miles, T.**, Albert, J., Isaacs, R., Trammel, M., Longstroth, M., Reinke, M. October 9, 2019. MSU vineyard IPM scouting report – Oct. 9, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-oct-9-2019>
- 82.) Perkins, J., **Miles, T.**, Isaacs, R., Todaro, T., Trammel, M., Longstroth, M., Reinke, M. September 25, 2019. MSU vineyard IPM scouting report – Sept. 25, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-sept-25-2019>
- 83.) Perkins, J., **Miles, T.**, Isaacs, R., Todaro, T., Trammel, M., Longstroth, M., Reinke, M. September 11, 2019. MSU vineyard IPM scouting report – Sept. 11, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-sept-11-2019>
- 84.) Albert, J., **Miles, T.**, Isaacs, R., Todaro, T., Trammel, M., Longstroth, M., Reinke, M. August 28, 2019. MSU vineyard IPM scouting report – Aug. 28, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-aug-28-2019>
- 85.) Albert, J., **Miles, T.**, Isaacs, R., Todaro, T., Trammel, M., Longstroth, M., Reinke, M. August 14, 2019. MSU vineyard IPM scouting report – Aug. 14, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-aug-14-2019>

- 86.) Albert, J., **Miles, T.**, Isaacs, R., Todaro, T., Miles, L., Longstroth, M., Reinke, M. July 31, 2019. MSU vineyard IPM scouting report – July 31, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-july-31-2019>
- 87.) Albert, J., **Miles, T.**, Todaro, and Isaacs, R. July 17, 2019. MSU vineyard IPM scouting report – July 17, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-july-17-2019>
- 88.) Albert, J., Isaacs, R., and **Miles, T.** July 3, 2019. Michigan vineyard pest scouting report – July 3, 2019. <https://www.canr.msu.edu/news/michigan-vineyard-pest-scouting-report-july-3-2019>
- 89.) Isaacs, R. Albert, J., Todaro, T., and **Miles, T.** June 19, 2019. MSU vineyard IPM scouting report – June 19, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-june-19-2019>
- 90.) Isaacs, R., Albert, J., Landis, J., **Miles, T.**, Todaro, T. June 11, 2019. MSU Extension’s vineyard pest scouting reports for 2019. <https://www.canr.msu.edu/news/msu-extension-s-vineyard-pest-scouting-reports-for-2019>
- 91.) Miles, L., and **Miles, T.** June 11, 2019. Do you suspect grapevine trunk disease in your vineyard? <https://www.canr.msu.edu/news/do-you-suspect-grapevine-trunk-disease-in-your-vineyard>
- 92.) Isaacs, R., Albert, J., Todaro, T., and **Miles, T.** June 5, 2019. MSU vineyard IPM scouting report – June 5, 2019. <https://www.canr.msu.edu/news/msu-vineyard-ipm-scouting-report-june-5-2019>
- 93.) Miles, L., Byrne, J., and **Miles, T.** May 10, 2019. Don’t guess, get a test from MSU Plant & Pest Diagnostics. <https://www.canr.msu.edu/news/don-t-guess-get-a-test-from-msu-plant-pest-diagnostics>
- 94.) **Miles, T.**, and Longstroth, M. April 30, 2019. The rise of the mummy: Mummy berries in Michigan. <https://www.canr.msu.edu/news/the-rise-of-the-mummy-mummy-berries-in-michigan>
- 95.) Todaro, T., Miles, L., Longstroth, M., **Miles, T.** April 29, 2019. Managing grapevine crown gall. <https://www.canr.msu.edu/news/managing-grapevine-crown-gall>
- 96.) Lizotte, E. and **Miles, T.** April 24, 2019. Managing hop powdery mildew in Michigan. <https://www.canr.msu.edu/news/managing-hop-powdery-mildew-in-michigan>
- 97.) Lizotte, E. and **Miles, T.** April 17, 2019. Managing hop downy mildew in Michigan. <https://www.canr.msu.edu/news/managing-hop-downy-mildew-in-michigan>
- 98.) **Miles, T.** March 22, 2019. Powdery mildew fungicide resistance survey in grapes – help us, help you! <https://www.canr.msu.edu/news/powdery-mildew-fungicide-resistance-survey-in-grapes>
- 99.) Miles, L., Bryne, J., **Miles, T.** December 3, 2018. New grapevine virus testing services at MSU starting in summer 2019. <https://www.canr.msu.edu/news/new-grapevine-virus-testing-services>
- 100.) **Miles, T.D.**, Longstroth, M., and Todaro, T. September 19, 2018. What can be done for late season downy mildew on grapes?. <https://www.canr.msu.edu/news/late-season-downy-mildew-on-grapes>
- 101.) **Miles, T.D.**, Longstroth, M., and Todaro, T. September 11, 2018. Late season cultural and chemical options for diseases in grapes—don’t wait!. <https://www.canr.msu.edu/news/late-season-cultural-and-chemical-options-for-diseases-in-grapes>
- 102.) **Miles, T.D.** August 21, 2018. 2018 Grapevine powdery mildew fungicide resistance survey. MSU Extension News. <http://www.canr.msu.edu/news/2018-grapevine-powdery-mildew-fungicide-resistance-survey>

- 103.) **Miles, T.D.** and Longstroth, M. May 29, 2018. Shoot blight in Michigan blueberries. MSU Extension News. http://msue.anr.msu.edu/news/shoot_blight_in_michigan_blueberries
- 104.) **Miles, T.D.** May 4, 2018. Detection and monitoring tools for fungicide resistance in powdery mildew. MSU Extension News. http://msue.anr.msu.edu/news/detection_and_monitoring_tools_for_fungicide_resistance_in_powdery_mildew
- 105.) Todaro, T. and **Miles, T.D.** April 30, 2018. Early season vineyard disease management. MSU Extension News. http://msue.anr.msu.edu/news/early_season_vineyard_disease_management
- 106.) **Miles, T.D.**, and Longstroth, M. April 10, 2018. The blueberry mummies return! Here's how to be prepared. MSU Extension News. http://msue.anr.msu.edu/news/the_blueberry_mummies_return_heres_how_to_be_prepared
- 107.) Longstroth, M., and **Miles, T.D.** March 27, 2018. Dormant sprays for disease control in blueberries. MSU Extension News. http://msue.anr.msu.edu/news/dormant_sprays_for_disease_control_in_blueberries
- 108.) **Miles, T.D.**, Woodhall, J., Miles, L. and Wharton, P.S. 2013. Surveying anastomosis groups of the black scurf pathogen (*Rhizoctonia solani*) on potatoes in the Pacific Northwest. Potato Progress Newsletter.
- 109.) **Miles, T.D.**, and Schilder, A.M.C. 2010. Disease management. 16 of 18 issues. Michigan Blueberry IPM Newsletter.
- 110.) **Miles, T.D.**, and Schilder, A.M.C. 2010. Keep scouting blueberries for disease symptoms. Fruit Crop Advisory Team Newsletter, May 11.
- 111.) **Miles, T.D.**, and Schilder, A.M.C. 2010. Mummy berry poised for action in blueberries. Fruit Crop Advisory Team Newsletter, April 13.
- 112.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Disease management. 18 of 21 issues. Michigan Blueberry IPM Newsletter.
- 113.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Overview of blueberry diseases during the 2009 season. Fruit Crop Advisory Team Newsletter, September 22.
- 114.) **Miles, T.D.**, and Schilder, A.M.C. 2009. If blueberries are still in bloom, keep up mummy berry sprays. Fruit Crop Advisory Team Newsletter, June 2.
- 115.) **Miles, T.D.**, and Schilder, A.M.C. 2009. Time to scout for mummy berry in blueberry fields. Fruit Crop Advisory Team Newsletter, April 21.
- 116.) **Miles, T.D.**, and Schilder, A.M.C. 2008. Disease update. 15 of 15 issues. Michigan Blueberry IPM Update.
- 117.) **Miles, T.D.**, and Schilder, A.M.C. 2008. Pest of the week. 7 of 15 issues. Michigan Blueberry IPM Update.
- 118.) **Miles, T.D.**, and Schilder, A.M.C. 2008. Mummy berry shoot strikes sighted in blueberries. Fruit Crop Advisory Team Newsletter, May 13.
- 119.) **Miles, T.D.**, and Schilder, A.M.C. 2007. Disease update. 16 of 16 issues. Michigan Blueberry IPM Update.
- 120.) **Miles, T.D.**, and Schilder, A.M.C. 2007. Pest of the week. 7 of 16 issues Michigan Blueberry IPM Update.
- 121.) Schilder, A.M.C. and **Miles, T.D.** 2007. Mummy berry update in blueberries. Fruit Crop Advisory Team Newsletter, May 15.

Outreach/Extension Presentations

- 1.) **Miles, T.D.** Early Season Disease Management. Grape Season Kickoff. April 2022. Traverse City, MI
- 2.) **Miles, T.D.** IR-4 Presentation of Eastern Hop Diseases for Environmental Protection Agency with David Gent. EPA Hop Field Tour. April 2022. (held virtually)
- 3.) **Miles, T.D.** Powdery mildew management update. Pennsylvania State University. Grape Disease Management Webinar series. April 2022. (held virtually)
- 4.) **Miles, T.D.** Blueberry Disease Update: Learn about Early Season Management and Get Tips for Diagnosing Blueberry Diseases. Blueberry Season Kickoff. April 2022. Fennville, MI
- 5.) **Miles, T.D.** and FRAME Team. Workshop for Michigan grape growers. Building Better Fungicide Spray programs – Michigan. March 2022. Available online/videoconference.
- 6.) **Miles, T.D.** Key Diseases of Small Fruits. Michigan Ag Ideas that Grow - MSUE Statewide workshop series. March 2022. (held virtually)
- 7.) **Miles, T.D.** Fungicide Resistance in Berry Crops. Driscoll's Global Plant Health Field Day. March 2022. Watsonville, CA.
- 8.) **Miles, T.D.** Early Season Hop Disease Management in Michigan. MSUE Virtual Hop Field Day. March 2022. (held virtually).
- 9.) **Miles, T.D.** FRAC 11 Anthracnose Resistance and Strategies for Disease Control. Michigan Blueberry Growers – Horticulture Day. March 2022. Holland, MI.
- 10.) **Miles, T.D.** Fruit Rots, where are we going? Endeavor Ag Blueberry Kickoff. March 2022. Holland, MI.
- 11.) **Miles, T.D.** Virus Diseases in Blueberries. Cornell University Extension. February 2022. (held virtually).
- 12.) **Miles, T.D.** Main Diseases we manage in blueberry, grape and hop and current issues. Certis and Nutrien presentation. Michigan City, IN. February 2022..
- 13.) **Miles, T.D.** Grape Disease Management – Best Practices for Disease and Fungicide Resistance Management. University of Wisconsin Extension. February 2022. (held virtually).
- 14.) **Miles, T.D.** Fungicide Resistance Project Update. A discussion of powdery mildew, botrytis and downy mildew. Southwest Horticultural Days. Benton Harbor, MI February 2022.
- 15.) **Miles, T.D.** Late Season Bunch Rots, Lessons Learned from 2021. Southwest Horticultural Days. Benton Harbor, MI February 2022.
- 16.) **Miles, T.D.** Blueberry Disease and Biological Fungicide Update. Southwest Horticultural Days. Benton Harbor, MI February 2022.
- 17.) **Miles, T.D.** What fungicides are still working in grapes? A discussion of powdery mildew, botrytis and downy mildew. Orchard and Vineyard Show. Traverse City, MI January 2022.
- 18.) Hatlen, R., and **Miles, T.D.** Investigating chemical control options for halo blight of hops. Michigan Great Beer State Conference, Traverse City, MI January 2022.
- 19.) **Miles, T.D.** Michigan Hop Disease Management Update. Michigan Great Beer State Conference, Traverse City, MI January 2022.

- 20.) **Miles, T.D.** Plant Pathology Update from Michigan State University in Hops. Great Lakes Fruit and Vegetable Expo – Special Thursday afternoon Session, Grand Rapids, MI December 2021.
- 21.) **Miles, T.D.** Evolving management strategies for blueberry fruit rots. Great Lakes Fruit and Vegetable Expo – Blueberry Session, Grand Rapids, MI December 2021.
- 22.) **Miles, T.D.** What can diagnostics tell us about managing grape diseases?. Great Lakes Fruit and Vegetable Expo – Grape Session, Grand Rapids, MI December 2021.
- 23.) Alzohairy, S., and **Miles, T.D.** Update on the management of gray mold in strawberries. Great Lakes Fruit and Vegetable Expo – Berry Session, Grand Rapids, MI December 2021.
- 24.) **Miles, T.D.** Pathology Research Update for Michigan Blueberry Commission. Great Lakes Fruit and Vegetable Expo, Grand Rapids, MI December 2021.
- 25.) **Miles, T.D.**, Miles, L., and Heger, L.. Viticulture Days. 2 workshop stations. One focused on chemical strategies for grape disease control the other on diagnostic techniques. Michigan State University Extension. July 2021, Benton Harbor, MI.
- 26.) **Miles, T.D.** Pre-harvest blueberry disease management.. Blueberry Pre-harvest meeting. Michigan State University Extension. June 2021 (held virtually).
- 27.) **Miles, T.D.** Disease Management Strategies During Bloom. Grape prebloom meeting. Michigan State University Extension. May 2021 (held virtually).
- 28.) **Miles, T.D.** Disease Management: Twig Blight and Anthracnose Fruit Rot. Blueberry prebloom meeting. Michigan State University Extension. May 2021 (held virtually).
- 29.) **Miles, T.D.** Towards Clean Fruit and Foliage: New Findings on Resistance Management and Spray Scheduling to Manage Grapevine Diseases. Cornell University/PennState Extension: Eastern Viticulture and Enology Forum. April 2021 (held virtually).
- 30.) **Miles, T.D.** and Miles, L. Blueberry Diseases Update: Learn about early season management and get tips for diagnosing blueberry diseases. Blueberry Kickoff. Michigan State University Extension. April 2021 (held virtually).
- 31.) **Miles, T.D.** Small Fruit Disease Management in Southwest Michigan. Michigan State University Extension. April 2021 (held virtually).
- 32.) **Miles, T.D.** Evolving Management Practices for Blueberry Fruit Rots. Michigan Blueberry Growers – Horticulture Day. March 2021 (held virtually).
- 33.) **Miles, T.D.** Cevya New Label, FRAC 11 Resistance and Anthracnose. Nutrien Meeting. March 2021 (held virtually).
- 34.) **Miles, T.D.** Disease Resistance Management: Tools and Techniques. 2021 Statewide Grape Spring Kickoff. March 2021 (held virtually).
- 35.) **Miles, T.D.** and FRAME Team. Workshop for Midwest grape growers. Building Better Fungicide Spray programs – Midwest. Two-day event. March 2 and 4 2021. Available online/videoconference.

- 36.) **Miles, T.D.** Invited Oral presentation. Hop Production for the Craft Brew Industry (focused on Minnesota and Wisconsin hop growers). February 2021. “Phoma Wilt” in Midwest Hop Production Available online/videoconference.
- 37.) **Miles, T.D.** Invited Oral presentation. NE Blueberry Educational Session hosted by Miller Chemical. February 2021. Blueberry Disease Management. Available online/videoconference.
- 38.) **Miles, T.D.** Invited Oral presentation. MI Ag Ideas to Grow With: Fruit Track. February 2021. The mechanisms and best usage practices for the most used fungicides. Available online/videoconference.
- 39.) **Miles, T.D.** Invited Oral presentation. Ontario Berry Growers. February 2021. Blueberry Disease Management. Available online/videoconference.
- 40.) **Miles, T.D.** Invited Oral presentation. Orchard and Vineyard Show. January 2021. Cultural and biological control methods of critical diseases in Michigan vineyards. Available online/videoconference.
- 41.) **Miles, T.D.** Invited Oral presentation. Great Lakes Fruit and Vegetable Expo. December 2020. Grape Disease Update. Available online/videoconference.
- 42.) **Miles, T.D.** Invited Oral presentation. Great Lakes Fruit and Vegetable Expo. December 2020. Blueberry Disease Update. Available online/videoconference.
- 43.) **Miles, T.D.** Invited Guest Lecture for Dreamwakers for HSI students in New Mexico. November 2020. Plant pathology from my perspective and how what type of career opportunities are out there.
- 44.) **Miles, T.D.** Invited Oral presentation. October 2020. Pre-recorded talk for Illinois Specialty Crop conference. Disease management in blueberries and strawberries in Michigan. Available online/videoconference in Jan. 2021.
- 45.) Isaacs, R., and **Miles, T.D.** Invited Oral presentation. August 2020. Managing harvest-time rots and vinegar flies – MSU Extension. Available online/videoconference as a part of the Spotted Wing Drosophila webinar series.
- 46.) **Miles, T.D.** Invited Oral presentation. July 2020. Grapes – Virtual Viticulture Field Day Late season disease management and fungicide resistance – MSU Extension. Available online/videoconference.
- 47.) **Miles, T.D.** Invited Oral presentation. June 2020. Blueberries Preharvest meeting – MSU Extension. Late season disease management – emphasis on fruit rots. Available online/videoconference.
- 48.) **Miles, T.D.** Invited Oral presentation. June 2020. Bine and Dine – MSU Extension. Powdery mildew management and cone disease management in Michigan hopyards. Available online/videoconference. Hosted by Erin Lizotte and Rob Serrine from MSUE.
- 49.) **Miles, T.D.** Invited Oral presentation. May 2020. Grapes Prebloom meeting – MSU Extension. Early season management. Available online/videoconference.
- 50.) **Miles, T.D.** Invited Oral presentation. May 2020. Blueberries Prebloom meeting – MSU Extension. Early season management. Available online/videoconference.
- 51.) **Miles, T.D.** Invited Oral presentation. May 2020. Bine and Dine – MSU Extension. Early season downy mildew management. Available online/videoconference. Hosted by Erin Lizotte and Rob Serrine from MSUE.
- 52.) **Miles, T.D.** Invited Oral presentation. April 2020. Grape Kickoff – MSU Extension Early season disease management. Available online/videoconference.

- 53.) **Miles, T.D.** Invited Oral presentation. March 2020. Managing blueberry diseases in Michigan with an emphasis on anthracnose fruit rot control. Michigan Blueberry Growers. Recorded and made available online.
- 54.) **Miles, T.D.** Invited Oral presentation. March 2020. Fungicide Resistance Workshop. FRAME workshop. Napa CA hosted by UCCE.
- 55.) **Miles, T.D.** Invited Oral presentation. March 2020. Downy mildew management and control in Michigan Vineyards. Santa Rosa, CA hosted by UCCE.
- 56.) **Miles, T.D.** Invited Oral presentation. February 2020. Detecting and managing plant pathogens in Michigan vineyards. Grape Session. Southwest Horticultural Days. Benton Harbor, MI.
- 57.) **Miles, T.D.** Invited Oral presentation. February 2020. Managing disease and fungicide resistance in blueberries in the Great Lakes region. New Jersey Agricultural Conference. Atlantic City, NJ.
- 58.) **Miles, T.D.** Invited Oral presentation. January 2020. Managing diseases and fungicide resistance in Midwest blueberry and strawberry fields. Wisconsin Fresh Fruit and Vegetable Conference. Wisconsin Dells, WI.
- 59.) **Miles, T.D.** Invited Oral presentation. January 2020. Detecting and managing plant pathogens in Michigan vineyards. Grape session. Orchard and Vineyard Show. Traverse City, MI
- 60.) **Miles, T.D.** Poster presentation December 2019. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI.
- 61.) **Miles, T.D.** Poster presentation December 2019. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI.
- 62.) **Miles, T.D.** Invited Oral presentation. December 2019. Fungicide resistance in Michigan blueberry fields. Blueberry session. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI
- 63.) **Miles, T.D.** Invited Oral presentation. December 2019. Fungicide resistance management. Grape session. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI
- 64.) **Miles, T.D.** Invited Oral presentation. December 2019. Botrytis fungicide resistance in berry crops. Berry session. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI
- 65.) **Miles, T.D.** Oral presentation. November 2019. Grape Pathology at MSU: Program Overview. East Lansing, MI
- 66.) **Miles, T.D.** Field presentation. October 2019. Fungicide efficacy trials at Trevor Nichols Research Center. Fennville, MI
- 67.) **Miles, T.D.** Invited Oral presentation August 2019. NW Research Station Open House: Fungicide resistance in Powdery mildew and Botrytis bunch rot. Traverse City, MI.
- 68.) **Miles, T.D.** Invited Oral presentation August 2019. Clarksville Research Station Open House: Grape pesticides, Clarksville, MI.
- 69.) **Miles, T.D.** Invited Oral webinar August 2019. Webinar on hop cone diseases. Hosted by Erin Lizotte and Rob Serrine from MSUE.
- 70.) **Miles, T.D.** Invited Oral presentation July 2019. EPA Tour: Grape pesticides. Fenn Valley Vineyards. Fenneville, MI.
- 71.) **Miles, T.D.** Invited Oral webinar June 2019. Webinar on hop powdery and downy mildew control. Hosted by Erin Lizotte and Rob Serrine from MSUE.
- 72.) **Miles, T.D.** Invited Oral presentation June 2019. 2019 Northwest Michigan Grape Pre-bloom meeting. Northwest Michigan Horticultural Research Station, Traverse City MI

- 73.) **Miles, T.D.** Invited Oral presentation June 2019. Viticulture Day. Southwest Michigan Research Extension Center, Benton Harbor, MI.
- 74.) **Miles, T.D.** Invited Oral presentation April 2019. State-wide Michigan Grape Spring Kickoff, Northwest Michigan Horticultural Research Station, Traverse City MI
- 75.) **Miles, T.D.** Invited Oral presentation April 2019. Blueberry Spring Kickoff, Trevor Nichols Research Station, Fenneville, MI
- 76.) **Miles, T.D.** Invited Oral presentation March 2019. MSU Grape School, Northwest Michigan Horticultural Research Station, Traverse City MI
- 77.) **Miles, T.D.** Invited Oral presentation March 2019. Great Lakes Hop and Barley Conference, Traverse City, MI.
- 78.) **Miles, T.D.** Invited Oral presentation February 2019. Fungicide Resistance Workshop, Washington State University. Prosser, WA.
- 79.) **Miles, T.D.** Invited Oral presentation January 2019. Southwest Horticulture Days. Grape Disease Management and Program Directions. Benton Harbor, MI.
- 80.) **Miles, T.D.** Invited Oral presentation January 2019. Southwest Horticulture Days. Blueberry Disease Management and Program Directions. Benton Harbor, MI.
- 81.) **Miles, T.D.** Invited Oral presentation January 2019. Orchard and Vineyard Show. Organic disease management of small fruit. Traverse City, MI
- 82.) **Miles, T.D.** Invited Oral presentation December 2018. Great Lakes Fruit and Vegetable Expo. Organic disease management of small fruit. Grand Rapids, MI.
- 83.) **Miles, T.D.** Invited Oral presentation December 2018. Great Lakes Fruit and Vegetable Expo. Fungicide resistance and viruses commonly found in Michigan. Grand Rapids, MI.
- 84.) **Miles, T.D.** Invited Oral presentation December 2018. Great Lakes Fruit and Vegetable Expo. Fungicide resistance and viruses commonly found in Michigan. Grand Rapids, MI.
- 85.) **Miles, T.D.** Invited Oral presentation December 2018. Great Lakes Fruit and Vegetable Expo. Blueberry Disease Update and Future Program Directions. Grand Rapids, MI.
- 86.) **Miles, T.D.** Invited Oral presentation December 2018. Great Lakes Fruit and Vegetable Expo. Berry Disease Update. Grand Rapids, MI.
- 87.) **Miles, T.D., Gillet, J., Miles, L.** Prevalence of grapevine viruses and future diagnostic services in Michigan. Poster presentation December 2018. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI.
- 88.) **Miles, T.D.** 2018 Grapevine Powdery Mildew Fungicide Resistance in Michigan by the FRAME Network. Poster presentation December 2018. Great Lakes Fruit and Vegetable Expo. Grand Rapids, MI.
- 89.) **Miles, T.D.** Invited Oral presentation July 2018. Introduction and grapevine viruses commonly found in Michigan. Northwest Research Station, Michigan State University. Invited by Thomas Todaro MSUE.
- 90.) **Miles, T.D.** Invited Oral presentation, February 2017. Isothermal diagnostics for soilborne pathogens. UC Cooperative Extension/California Strawberry Commission. Watsonville CA.
- 91.) **Miles, T.D.** Invited Oral presentation, January 2017. Fungicide resistance diagnostics of powdery mildews in wine and table grapes. Fresno, CA.

- 92.) **Miles, T.D.** Invited Oral presentation, November 2016. Detection of *Erysiphe necator* fungicide resistant alleles in environmental samples. Sustainable Ag Expo, San Luis Obispo, CA.
- 93.) **Miles, T.D.** Invited Oral presentation, November 2016. Rapid Molecular diagnostics for strawberry soilborne pathogens. UC Cooperative Extension, Salinas CA (invited by Steve Koike).
- 94.) **Miles, T.D.** Invited Oral presentation, December 2015. California Native Plant Society Workshop, Berkley, CA
- 95.) **Miles, T.D.** Invited Oral presentation, October 2015. Urban Insect and Disease Training, Felton, CA
- 96.) **Miles, T.D.** Invited Oral presentation June 2015. North Central American Phytopathological Society. *Phytophthora* Workshop
- 97.) **Miles, T.D.** Invited demonstration March 2015. California Avocado Commission. *Phytophthora* detection workshop.
- 98.) **Miles, T.D.** Oral presentation, November 2012. Idaho Association of Plant Protection Jerome, ID.
- 99.) **Miles, T.D.** Presented poster, December 2010. Great Lakes Fruit and Vegetable Expo, Grand Rapids, MI
- 100.) **Miles, T.D.** Presented poster, December 2009. Great Lakes Fruit and Vegetable Expo, Grand Rapids, MI
- 101.) **Miles, T.D.** Oral presentation, May 2009. Grower Meeting: Mummy berry disease update and new fungicide registration of Omega 500F for highbush blueberries. Grand Junction, MI
- 102.) **Miles, T.D.** Presented poster, December 2008. Great Lakes Fruit and Vegetable Expo, Grand Rapids, MI
- 103.) **Miles, T.D.** Oral presentation, June 2008. Presentation at grower meeting: scouting demonstration for diseases in highbush blueberry. West Olive MI
- 104.) **Miles, T.D.** Oral presentation June 2008. Presentation at grower meeting: possible management strategies for strawberry black root rot. Hudsonville, MI
- 105.) **Miles, T.D.** Presented poster, December 2007. Great Lakes Fruit and Vegetable Expo, Grand Rapids, MI

TEACHING

Courses Taught

PLP 805: Principles in Plant Pathology.
2 credits; taught annually

Michigan State University
Fall 2019, Fall 2020, Fall 2021

BIO 332 Plant Physiology
3 credits; taught annually

California State University Monterey Bay
Fall 2016 and Fall 2017

BIO 425 Systematic and Molecular Mycology
4 credits; taught annually

California State University Monterey Bay
Spring 2016, 2017, and 2018

BIO 211 Evolution, Biodiversity, Ecology and Plant
Physiology
1 credit; taught as co-instructor

California State University Monterey Bay
Spring 2015, Fall 2015, Spring 2016,
Fall 2016, Spring 2017, Fall 2017 and
Spring 2018

BIO 211L Evolution, Biodiversity, Ecology and Plant
Physiology Lab
1 credit; taught as co-instructor

California State University Monterey Bay
Fall 2015, Spring 2016, Spring 2017

BIO322 Plant Pathology
4 credits; taught annually

California State University Monterey Bay
Fall 2015, 2016 and 2017

BIO210L Evolution, Biodiversity, Ecology and Plant
Physiology Lab

California State University Monterey Bay
Spring 2015

ABT83 IPM in Plant Pathology
4 credits

Hartnell College
Fall 2014

Guest Lectures

PLP 885 Small Fruit and Hop Pathology Tour

Michigan State University
July 2019.

ENT 812: Graduate Seminar

Michigan State University
November 2020

Intro to Small Fruit Science

Hartnell College
Spring 2017

BIO 295 Special Topics in Agriculture

California State University Monterey Bay Fall 2015

ENT 890 Special Topics in Entomology

Michigan State University
Spring 2010

Teaching Assistantships

PLP 405 Introduction to Plant Pathology

Michigan State University

BIOS 319 Plant Physiology

Spring 2008

Western Michigan University
2005

Advising and Mentoring

Postdoctoral Researchers

Dr. Jeannie Klein-Gordon

Topic: Stem blights of blueberries

Michigan State University
May 1, 2021 – present

Dr. Safa Alzohairy

Topic: Botrytis fungicide resistance

Michigan State University
October 1, 2018 – present

Dr. Marivi Colle

Topic: Grapevine powdery mildew fungicide resistance

Current position:

Lead Blueberry breeder NatureRipe / Michigan Blueberry Growers

Michigan State University
January 1, 2019 – January 30th 2021

Dr. Sharifa Crandall

Topic: diagnostics and microbial ecology of avocado

Current position:

Assistant Professor at Pennsylvania State University in Microbial Ecology

California State University Monterey Bay
January 2017 – December 2018

Graduate Students – Major advisor

Nancy Sharma (Major advisor)

PhD topic: Fungicide resistance in grape powdery mildew

Expected graduation date: 2023

Michigan State University
January 1, 2019 – present

Shay Shemanski (Major advisor)

PhD Topic: Fruit microbiomes of blueberry surfaces

Expected graduation date: 2023

Michigan State University
June 15, 2019 – present

Ross Hatlen (Major advisor)

PhD Topic: Diseases and disorders of hop cones

Expected graduation date 2023

Michigan State University
July 1, 2019 – present

Lexi Heger (Major advisor)

PhD Topic: Downy mildew diagnostics in vineyards

Expected graduation date: 2024

Michigan State University
July 1, 2020 – present

Samantha Thompson (Major advisor)

PhD Topic: Downy mildew diagnostics in vineyards

Expected graduation date: 2025

Michigan State University
January 1, 2021 – present

Graduate students-Committee Member

Patrick Abeli

Masters Student-Horticulture, Major advisor Randy Beaudry

2018 - 2022

Michigan State University

Julian Bello

PhD Student-Plant Pathology, Major advisor-Mary Hausbeck

2019 - 2020

Michigan State University

Amber Bosch

Masters Student-Entomology, Major advisor-John Wise

2019 - 2022

Michigan State University

Lindsay Brown Masters Student-Plant Pathology, Major advisor George Sundin	2021 - present Michigan State University
Madison Dobbins Masters Student-Plant Pathology, Major advisor George Sundin	2019 - 2021 Michigan State University
Zehranur Gulbahar Masters Student-PBGB, Major advisor Cholani Weebadde	2021 - present Michigan State University
Ryan Hamilton Masters Student-Plant Pathology, Major advisor Martin Chilvers	2021 - present Michigan State University
Becky Harkness PhD Student-Plant Pathology, Major advisor Monique Sakalidis	2021 - present Michigan State University
Alex Hernandez MS Student-Plant Pathology, Major advisor-Jamie Willbur	2020 - present Michigan State University
Malini Jayawardana PhD Student-Plant Pathology, Major advisor-Linda Hanson	2020 - 2022 Michigan State University
Erin Lauwers Masters Student-Plant Pathology, Major advisor George Sundin	2020 – present Michigan State University
Nikki Lukasko PhD Student-Plant Pathology, Major advisor Mary Hausbeck	2019 - present Michigan State University
Austin Mccoy PhD Student-Plant Pathology, Major advisor Martin Chilvers	2019 - present Michigan State University
Nik Nurulhidayah Nik Zainal Alam Masters Student-Plant Pathology, Major advisor Martin Chilvers	2021 - present Michigan State University
Jingyu Peng PhD Student-Plant Pathology, Major advisor-George Sundin	2019 - 2020 Michigan State University
Sunil Shrestha Masters Student-Plant Pathology, Major advisor Mary Hausbeck	2019 - 2020 Michigan State University
Karandeep Singh PhD Student-Plant Pathology, Major advisor Monique Sakalidis	2019 - present Michigan State University
Ethan Tippet PhD Student-Plant Pathology, Major advisor Mary Hausbeck	2021 - present Michigan State University
Tara Watkins MS Student-Plant Pathology, Major advisor Frances Trail	2019 – 2021 Michigan State University
Ashley Wright PhD Student-PBGB, Major advisor Cholani Weebadde	2021 - present Michigan State University

Undergraduate Researchers Mentored

MSU

Sherif Amir
Entered graduate school in Plant Pathology

Michigan State University
June 2019 – August 2019

University of Arkansas (Dr. Rojas) Spring of 2020

Deenarah Giraud
Plant Biology B.S.

Michigan State University
June 2020 – present

Lexi Heger
Entered PhD program in Plant Pathology at
Michigan State University (Dr. Miles)

Michigan State University
June 2019 – August 2019

Madeline Hendrickson
Currently in a MSc program at University of Delaware

Michigan State University
October 2018 – May 2020

Daniel Jones
Agricultural Business B.S.

Michigan State University
Fall 2020 – Spring 2021

Patrick Mucci
Entered pharmacy school Fall 2019

Michigan State University
July 2018 – August 2019

Matthew Uebbing
Entered graduate school in Plant Pathology
Michigan State University (Dr. Hausbeck) Fall 2020

Michigan State University
January 2019-August 2020

Samantha Thompson
Crop and Soil Science B.S.

Michigan State University
August 2019 – present

Nik Nurulhidayah Nik Zainal Alam
Entered MSc program in Plant Pathology (Dr. Chilvers)

Michigan State University
April 2019 – May 2020

Claudia Walz
Entered MSc program in CSS (Dr. Sprigg)

Michigan State University
April 2021 – April 2022

CSUMB

Andrew Aldcroft
UROC Researcher, graduated, currently works
for Incotec Integrated Coat & Seed

California State Univ. Monterey Bay Biology B.S.,
2016 - 2017

Beth Alger
UROC Scholar
Currently in a PhD student at Michigan State University

California State Univ. Monterey Bay Biology B.S.,
2015 - 2015

Uriel Antonio
Major Graduated, currently works for Google Inc.

California State Univ. Monterey Bay Comp. Sci.
2015-2016

Juan Cerda
UROC Scholar
Currently in a PhD program at Pennsylvania State University

California State Univ. Monterey Bay Biology B.S.,
2015-2017

Philip Engelgau
UROC Researcher,
Currently in a PhD program at Michigan State University

California State Univ. Monterey Bay Biology B.S.,
2016-2017

Gina Dabbah
UROC Scholar
Currently in a PhD program at Uniformed Armed Services University

California State Univ. Monterey Bay - Biology B.S.,
2015-2018

Chelsea Newbold
Major, UROC Researcher
Currently in a PhD program at Oregon State University

California State Univ. Monterey Bay - Biology
2016-2018

Noah Luecke
UROC Researcher
Currently in a PhD program at University of Houston

California State Univ. Monterey Bay Biology B.S.,
2015-2017

Aidan Shands
UROC Scholar
Currently in a PhD program at University of California Riverside

California State Univ. Monterey Bay - Biology B.S.,
2015-2017

Jesse Yamagata
UROC Scholar
Completed a MSc at North Carolina State University

California State Univ. Monterey Bay - Biology B.S.,
2015-2017

Undergraduate students published in peer-reviewed journals

- 1.) *Tsuchida, C. T., Mauzey, S. J., Hatlen, R. †, **Miles, T.D.**, Koike, S.T. 2018. First report of Pythium root rot caused by *Pythium mastophorum* on parsley in the United States. Plant Dis. 102: 1671.
- 2.) *Shands, A.C. †, Ho, T., **Miles, T.D.** 2018. First Report of leaf rust on southern highbush blueberry caused by *Thekopsora minima* in California. Plant Dis. 102:1171.
- 3.) *Shands, A.C. †, Crandall, S.G. †††, **Miles, T.D.** 2018. First Report of Leaf Rust on California Blackberry (*Rubus ursinus*) caused by *Kuehneola uredinis* in California. Plant Dis. 102:682.
- 4.) *Shands, A.C. †, Crandall, S.G. †††, **Miles, T.D.** 2017. First report of the ability of *Olpidium virulentus* to vector blueberry mosaic associated virus (BIMaV) on southern highbush blueberry in California. Plant Disease 101:1683.
- 5.) *Shands, A.C. †, Yamagata, J. †, Wright, A., **Miles, T.D.** 2016. First report of *Phytophthora cinnamomi* causing root rot of southern highbush blueberry in California. Plant Dis. 100:537.
- 6.) *Cerda, J. †, **Miles, T.D.** 2016. First Report of leaf rust caused by *Uromyces probus* on *Sisyrinchium bellum* in California. Plant Dis. 100:523.

Mentored undergraduate students who won awards, scholarships or assistantships

Alger, Beth –	NSF Graduate Research Fellowship (2015) SACNAS Student Poster Award (2015) PhD Program/Plant Science Fellowship Michigan State University (2015)
Cerda, Juan –	Berry Goldwater Fellowship (2016) Honorable Mention NSF Graduate Research Fellowship (2017) PhD Program Pennsylvania State University (2017)
Dabbah, Gina	Best National Emerging Researchers (ERN) Conference Award (2017)
Engelgau, Philip	Outstanding Senior Capstone (2016) PhD Program Michigan State University (2017)
Hatlen, Ross	Summer Research SROP Program Pennsylvania State University (2018)
Heger, Lexi –	PhD Program/Plant Science Fellowship Michigan State University (2020)
Luecke, Noah	PhD Program University of Houston (2017)

Shands, Aidan – CSUMB’s Fall 2016 Research Showcase 2nd place Oral presentation (2015)
SACNAS Student Poster Award (2015)
North Carolina State Univ. – Kelman Scholars Award (2016)
Outstanding Future Alumni CSUMB (2017)
PhD Program UC Riverside (2017)

Yamagata, Jesse - SACNAS Student Poster Award (2015)
North Carolina State University – Kelman Scholars Award (2016)
PhD Program North Carolina State University (2017)

PROFESSIONAL DEVELOPMENT AND SERVICE

Workshops

Building Better Spray Programs in Vineyards – Michigan	FRAME Team (co-Led) March 2022
Building Better Spray Programs in Vineyards – Midwest	FRAME Team (co-Led) March 2021
Demystifying Reappointment, Tenure & Promotion Forum CANR Faculty Forum	Michigan State University March 2020
Intro to R for Plant Pathologists.	Michigan State University August 2019
Mentoring workshop for new faculty	Michigan State University August 2018

Professional Membership

Tier 2 working group National Clean Plant Network – Berries	2020- present
MDARD - Statewide Cranberry GAAMP Chair for MSU	2020- present
American Phytopathological Society	2006 – present
British Society of Plant Pathology	2010 – present
American Society for the Advancement of Science	2010 – 2014
American Society of Plant Biologists	2005 - 2007

Grant reviewer

USDA-SBIR 8.2 Phase I – Biology grant panel reviewer Panel leader-Dr. Mary Hausbeck	2016 and 2017
USDA-SBIR 8.2 Phase II – Biology grant panel reviewer Panel leader Dr. Mary Hausbeck	2017
USDA-APHIS Farm Bill Proposals	2017

Suggestions.

Manuscript editor/reviewer

Associate Editor of Plant Disease	2016 – present
Plant Disease ad hoc	2013- 2016
Phytopathology ad hoc	2011 - present
Plant Pathology ad hoc	2011 - present
Australian Journal of Plant Pathology ad hoc	2013 - 2015
Physiological and Molecular Plant Pathology ad hoc	2012 – present
Plant Health Progress ad hoc	2015 - present

Service to professional committees

APS Diagnostics Committee	2014- present
APS Teaching Committee	2016 – present
California Native Plant Society Member	2015- 2018

Departmental/College committees

Search Committee for Tree Fruit Entomologist (TT Faculty)	2021 – 2022 Michigan State University
Search Committee for SW Blueberry and Small Fruit Educator	2021 – 2021 Michigan State University
Plant Pathology Graduate Program Committee	2020 – present Michigan State University
Plant Pathology Farm Committee	2018 – 2021 Michigan State University
Plant Science Fellowship Representative for PLP students	2020 - present Michigan State University
PSM Farm Committee	2018 – 2021 Michigan State University
CIPS Space Committee	2019 – present Michigan State University
Biology representative on curriculum committee for SNS (SNS-School of Natural Science)	2015- 2018 CSUMB
Biosafety committee representative	2016 – 2018 CSUMB

CSUMB's Fall Undergraduate Research Showcase	2015 and 2016 CSUMB
Search committee for the UROC Director (UROC-Undergraduate Research Opportunity Center)	2015 CSUMB
Adjunct research faculty committee	2015 CSUMB
Search committee for the Biological Science Technician	2015 CSUMB

HONORS AND AWARDS

Travel Award. Oomycete Molecular Genetics Network Meeting to Norwich UK. July 2014.

Best Paper in the Journal of Plant Pathology from British Society of Plant Pathology. October 2012.

12th I. E. Melhus Symposium Award from the American Phytopathological Society. May 2012.

American Phytopathological Society Travel Award recipient. June 2011.

Fruit Industry Scholarship recipient. December 2009.

A.L. Rogers Endowed Research scholarship recipient. April 2008