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EDUCATION & TRAINING

1971-1975 B.A., Biology, University of California, Santa Cruz, California
1976-1982 Ph.D., Botany and Plant Pathology, Oregon State University, Corvallis, Oregon
1982-1984 Fulbright Postdoctoral Fellow, CSIRO Division of Soils, Adelaide, Australia

RESEARCH & PROFESSIONAL EXPERIENCE

1984 - 1990 Assistant Professor, Plant Pathology Department, University of Wisconsin-Madison
1990-1998 Associate Professor, Plant Pathology Department, University of Wisconsin-Madison
1998-2015 Associate Professor (Senior Research), Department of Crop and Soil Science and Department of Botany and Plant Pathology, Oregon State University, Corvallis
2015-present Professor (Senior Research), Department of Crop and Soil Science and Department of Botany and Plant Pathology, Oregon State University, Corvallis

CURRENT RESEARCH EMPHASIS

Soil solarization for management of soilborne pathogens; systems approaches to pest management; ecology and management of *Phytophthora* in horticultural and native plant nurseries; ecology and management of soilborne plant pathogens

SYNERGISTIC ACTIVITIES

Graduate Students and Scientists Trained: 16 M.S., 7 Ph.D., 8 Postdoctoral Associates, 1 Assistant Scientist, 1 Visiting Scientist

Teaching Experience:

University of Wisconsin-Madison: Ecology of Soilborne Plant Pathogens, Plant Pathogenic Fungi, Introductory Plant Pathology, Soil Biology

Oregon State University: Principles of Soil Science, Introductory Plant Pathology, and Agricultural and Environmental Predicaments: A Case Studies Approach (writing-intensive course)

Professional Societies:

American Phytopathological Society (1982– present). Committees: Women in Plant Pathology, Biological Control, Soil Microbiology and Root Disease, Ornamentals

Multistate Research Project W-3147 – Managing Plant-Microbe Interactions in Soil to Promote Sustainable Agriculture (2000-present)

Editor, *Forest Phytophthoras*, an online, open access journal (2012-present)

Patents: 3

PUBLICATIONS

Refereed

a. Journal Articles

Parke, J. L., and E. Peterson. 2019. Sudden oak death, sudden larch death, and ramorum blight. The Plant Health Instructor. DOI: 10.1094/PHI-I-2019-0701-02 https://www.apsnet.org/edcenter/disandpath/oomycete/pdlessons/Pages/SuddenOakDeath.aspx

Parke, J. L., Redekar, N. R., Eberhart, J. E., and Funahashi, F. 2019. Hazard analysis for *Phytophthora* species in container nurseries: three case studies. HortTechnology 29: https://doi.org/10.21273/HORTTECH04304-19

Peterson, E. K., Larson, E., and Parke, J. L. 2019. Film-forming polymers and surfactants reduce infection and sporulation of *Phytophthora ramorum* on rhododendron. Plant Dis. 103:1148-1155. https://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-05-18-0802-RE

Peterson, E. K., Rupp, F., Eberhart, J. L., and Parke, J. L. 2019. Root rot of *Juniperus* and *Microbiota* by *Phytophthora lateralis* in Oregon horticultural nurseries. Plant Dis. 103: *in press.*

Redekar, N. R., Eberhart, J.E., and Parke, J. L. 2019. Diversity of *Phytophthora, Pythium*, and *Phytopythium* species in recycled irrigation water in a container nursery. Phytobiomes Journal 3:31-45. https://doi.org/10.1094/PBIOMES-10-18-0043-R

Funahashi, F., and Parke, J.L. 2018. Thermal inactivation of inoculum of two *Phytophthora* species by intermittent vs. constant heat. Phytopathology 108:829-836. https://doi.org/10.1094/PHYTO-06-17-0205-R

Funahashi, F., and J. L. Parke. 2016. Effects of soil solarization and *Trichoderma asperellum* on soilborne inoculum of *Phytophthora ramorum* and *Phytophthora pini* in container nurseries. Plant Dis. 100:438-443.

Parke, J.L., Knaus, B.J., Fieland, V.J., Lewis, C., and Grünwald, N.J. 2014. *Phytophthora* community structure analyses in Oregon nurseries inform systems approaches to disease management. Phytopathology 104:1052-1062.

Oßwald, W., Fleischmann, F., Rigling, D., Coelho, A. C., Cravador, A., Diez, J. Dalio, R. J., Horta, M., Jung, T., Pfanz, H., Robin, C., Sipos, G., Solla, A., Cech, T., Chambery, A., Diamandis, S., Hansen, E., Jung, T., Orlikowski, L. B., Parke, J., Prospero, S., Werres, S. 2014. Strategies of attack and defence in woody plant–*Phytophthora* interactions. Forest Pathology 44:169-190.

Raudales, R.E., J.L. Parke, C.L. Guy, and P.R. Fisher. 2014. Control of waterborne microbes in irrigation: a review. Agricultural Water Management 143:9-28.

Parke, J. L. and N. J. Grünwald. 2012. A systems approach for management of pests and pathogens of nursery crops. Plant Dis. 96:1236-1244.

Liebhold, A. M., Brockerhoff, E. G., Garrett, L. J., Parke, J. L., and Britton, K. O. 2012. Live plant imports: the major pathway for forest insect and pathogen invasions of the US. *Frontiers in Ecology and the Environment* 10: 135–143.

Grünwald, N. K., Martin, F. N., Larsen, M., Sullivan, C., Press, C. M., Coffey, M. D., Hansen, E. M., and Parke, J. L. 2011. Phytophthora-ID.org: A sequence based Phytophthora identification tool. Plant Dis. 95:337-342.

Dick, M. and Parke, J. 2012. *Phytophthora kernoviae*. Forest Phythophthoras 2(1): doi: 10.5399/osu/fp.2.1.3051

Oh, E. and Parke, J. 2012. *Phytophthora katsurae.* Forest Phytophthoras 2(1). doi: 0.5399/osu/fp.2.1.3046

Parke, J. L. and Rizzo, D. M. 2011. *Phytophthora ramorum.* Forest Phytophthoras 1(4): doi: 10.5399/osu/fp.0.1.1821.

Ochiai, N., Dragila, M. I., and Parke, J. L. 2011. Pattern swimming of *Phytophthora citricola* zoospores: an example of microbial bioconvection. Fungal Biology 115:228-235.

Grünwald, N. K., Martin, F. N., Larsen, M., Sullivan, C., Press, C. M., Coffey, M. D., Hansen, E. M., and Parke, J. L. 2011. Phytophthora-ID.org: A sequence based *Phytophthora* identification tool. Plant Dis. 95:337-342.

Manter, D.K., Kolodny, E. H., Hansen, E. M., Parke, J. L. 2010. Virulence, sporulation, and elicitin production in three clonal lineages of *Phytophthora ramorum.* Physiol. Molecular Plant Pathol. 74:317-322. DOI:10.1016/j.pmpp.2010.04.008

Ochiai, N. Dragila, M. and Parke, J. 2010. 3D tracking of colloids at the pore-scale using epifluorescence microscopy. Vadose Zone J. 9:576-587. DOI:10.2136/vzj2009.0047

Collins, B., J. L. Parke, B. Lachenbruch, and E.M. Hansen. 2009. The effects of *Phytophthora ramorum* infection on hydraulic conductivity and tylosis formation in tanoak sapwood. Can. J. For. Res. 39:1766-1776.

Grünwald, N. J., Goss, E. M., Ivors,K., Garbelotto, M., Martin, F. N., Prospero, S., Hansen, E., Bonants, P. J. M., Hamelin, R. C., Chastagner, G., Werres, S., Rizzo, D. M., Abad, G., Beales, P., Bilodeau, G. J., Blomquist, C. L., Brasier, C., Brière, S. C., Chandelier, A., Davidson, J. M., Denman, S., Elliott, M., Frankel, S. J., Goheen, E. M., de Gruyter, H., Heungens, K., James, D., Kanaskie, A., McWilliams, M. G., Man in 't Veld, W., Moralejo, E., Osterbauer, N. K., Palm, M. E., Parke, J. L., Perez Sierra, A. M., Shamoun, S. F., Shishkoff, N., Tooley, P. W., Vettraino, A. M., Webber, J., and Widmer, T. L.. 2009. Standardizing the nomenclature for clonal lineages of the sudden oak death pathogen, *Phytophthora ramorum*. Phytopathology 99:792-795.

Parke, J. L., Oh, E., Voelker, S., Hansen, E.M., Buckles, G., and Lachenbruch, B. 2007. *Phytophthora ramorum* colonizes tanoak xylem and is associated with reduced stem water transport. Phytopathology 97:1558-1567.

Parke, J. L. and Lewis, C. 2007. Root and stem infection of rhododendron from potting medium infested with *Phytophthora ramorum.* Plant Dis. 91:1265-1270.

Hansen, E. M., Parke, J. L. and Sutton, W. 2005. Susceptibility of Oregon forest trees and shrubs to *Phytophthora ramorum*: a comparison of artificial inoculation and natural infection. Plant Dis. 89:63-70.

Parke, J. L. Linderman, R. G., Osterbauer, N. K., and Griesbach, J. A. 2004. Detection of *Phytophthora ramorum* blight in Oregon nurseries and completion of Koch's Postulates on *Pieris, Rhododendron, Viburnum,* and *Camellia*. Plant Dis. 88:87. (Disease Note)

Miller, S. C. M., LiPuma, J. J., and Parke, J. L. 2002. Culture-based and non-growth-dependent detection of the *Burkholderia cepacia* complex in soil environments. Appl. Environ. Microbiol. 68:3750-3758.

Heungens, K. K. and Parke, J. L. 2001. Postinfection biological control of oomycete pathogens of pea by *Burkholderia cepacia* AMMDR1. Phytopathology 91:383-391.

Heungens, K. K. and Parke, J. L. 2000. Zoospore homing and infection events: effects of the biocontrol bacterium *Burkholderia cepacia* AMMDR1 on two oomycete pathogens of pea. Appl. Environ. Microbiol. 66:5192-5200.

Kaeppler, S.M., Parke, J. L., Mueller, S. M., Senior, L., and Stuber, C., and Tracy, W. F. 2000. Variation among maize inbred lines and detection of quantitative trait loci for growth at low phosphorus and responsiveness to arbuscular mycorrhizal fungi. Crop Sci. 40:358-364.

Cho, D.-H., Yu, Y.-H., Ohh, S.-H., and Parke, J. L. 1998. Production and isolation of chlamydospores in *Cylindrocarpon destructans* causing root rot of *Panax quinquefolium*. J. Ginseng Res. 22:304-309.

Gilbert, G. S., Clayton, M. K., Handelsman, J. and Parke, J. L. 1996. Use of cluster and discriminant analyses to compare rhizosphere bacterial communities. Microbial Ecology 32:123-147.

King, E. B. and Parke, J. L. 1996. Population density of the biocontrol agent *Burkholderia cepacia* AMMMDR1 on four pea cultivars. Soil Biol. Biochem. 28:307-312.

Gilbert, G. S., Handelsman, J., and Parke, J. L. 1994. Root camouflage and disease control. Phytopathology 84:222-225.

Knoche, K. K., Parke, J. L., and Durbin, R.D. 1994. Relationship of *Pseudomonas syringae* pv. *tabaci* races to the rhizosphere of Wisconsin-grown tobacco. Plant Soil 158:91-97.

Liddell, C. M. and Parke, J. L. 1993. Colonization of pea (*Pisum sativum* L.) taproots by *Pseudomonas fluorescens*: effect of soil temperature and bacterial motility. Soil Biol. Biochem. 25:1693-1701.

Parke, J. L., Rand, R. E., Joy, A. E., and King, E. B. 1991. Biological control of Aphanomyces root rot and Pythium damping-off of peas by application of *Pseudomonas cepacia* or *Pseudomonas fluorescens* applied to seed. Plant Dis. 75:987-992.

Bowers, J. H. and Parke, J. L. Epidemiology of Pythium damping-off and Aphanomyces root rot of peas after seed treatment with bacterial agents for biological control. Phytopathology 83:1466-1473.

Gilbert, G. S., Parke, J. L., Clayton, M. K. and Handelsman, J. 1993. Effects of an introduced bacterium on bacterial communities on roots. Ecology 74:840-854.

King, E. B. and Parke, J. L. 1993. Biocontrol of Aphanomyces root rot and Pythium damping-off by *Pseudomonas cepacia* strain AMMD on four pea cultivars. Plant Dis. 77:1185-1188.

Darmono, T. W., Owen, M. L., and Parke, J. L. 1991. Isolation and pathogenicity of *Phytophthora cactorum* from forest and ginseng garden soils in Wisconsin. Plant Dis. 75:610-612.

Holub, E. B., Grau, C. R., and Parke, J. L. 1991. Evaluation of the formae specialis concept in *Aphanomyces euteiches*. Mycol. Res. 95:147-157.

Darmono, T. W., and Parke, J. L. 1990. Chlamydospores of *Phytophthora cactorum*: their production, structure, and infectivity. Can. J. Bot. 68:640-645.

Gilbert, G. S., Handelsman, J., and Parke, J. L. 1990. Role of ammonia and calcium in lysis of zoospores of *Phytophthora cactorum* by *Bacillus cereus* strain UW85. Exper. Mycol. 14:1-8.

Muehlchen, A. M., Rand, R. E., and Parke, J. L. 1990. Evaluation of crucifer green manures for controlling Aphanomyces root rot of peas. Plant Dis. 74:651-654.

Parke, J. L. 1990. Population dynamics of *Pseudomonas cepacia* in the pea rhizosphere in relation to biocontrol of *Pythium*. Phytopathology 80:1307-1311.
Parke, J. L., Liddell, C. M., and Clayton, M. K. 1990. Relationship between soil mass adhering to pea taproots and recovery of *Pseudomonas fluorescens* from the rhizosphere. Soil Biol. Biochem. 22:495-499.
Parke, J. L., and Rand, R. E. 1990. Cultural control of Aphanomyces root rot of snap bean. Biol. Cult. Tests 5:8.
Liddell, C. M., and Parke, J. L. 1989. Enhanced colonization of pea taproots by a fluorescent pseudomonad biocontrol agent by water infiltration into soil. Phytopathology 79:1327-1332.
Parke, J. L, Moen, R., Rovira, A. D., Bowen, G. D. 1986. Soil water flow affects the rhizosphere distribution of a seed-borne biological control agent, *Pseudomonas fluorescens*. Soil Biol. Biochem. 18:583-588.
Parke, J. L., Linderman, R. G., and Trappe, J. M. 1984. Inoculum potential of ectomycorrhizal fungi in forest soils of southwest Oregon and northern California. For. Sci. 30:300-304.
Parke, J. L., Linderman, R. G., and Black, C. H. 1983. The role of ectomycorrhizae in drought tolerance of Douglas-fir seedlings. New Phytol. 95:83-95.
Parke, J. L., Linderman, R. G., and Trappe, J. M. 1983. Effect of root zone temperature on VA and ectomycorrhizae formation in disturbed and undisturbed forest soils of southwest Oregon. Can. J. For. Res. 13:657-665.
Parke, J. L., Linderman, R. G. and Trappe, J. M. 1983. Effect of forest organic matter on ecto- and VA mycorrhiza formation on Douglas-fir and western red cedar. Can. J. For. Res. 13:666-671.
Parke, J. L., and Linderman, R. G. 1980. Association of vesicular-arbuscular mycorrhizal fungi with the moss *Funaria hygrometrica*. Can. J. Bot. 58:1898-1904.

b. Refereed Book Chapters

Parke, J. L. and Gurian-Sherman, D. 2001. Diversity of the *Burkholderia cepacia* complex and implications for risk assessment of biological control strains. Annu. Rev. Phytopathology 39:225-258.
Parke, J. L. and Kaeppler, S. M. 2000. Effects of genetic differences among crop species and cultivars upon the arbuscular mycorrhizal symbiosis. Pages 131-146 in: Arbuscular Mycorrhizas: Physiology and Function (Y. Kapulnik and D. D. Douds, Jr., eds.). Kluwer Academic Publishers, Dordrecht.
Parke, J. L., and Grau, C. R. 1992. *Aphanomyces*. Pages 27-30 in: Methods in Research on Soilborne Phytopathogenic Fungi (L. L. Singleton, J. D. Mihail, and C. M. Rush. eds.). APS Press, St. Paul, MN
Parke, J. L. 1991. Root colonization by indigenous and introduced microorganisms. Pages 33-42 in: The Rhizosphere and Plant Growth (D. L. Keister and P. B. Gregan, eds.). Kluwer Academic Publishers, Durdrecht, The Netherlands.
Handelsman, J. and Parke, J. L. 1989. Mechanisms in biocontrol of soil-borne plant pathogens. Pages 27-61. In: Plant-Microbe Interactions, Vol. 3. T. Kosuge and E. Nester, (eds.). McGraw-Hill, New York.

c. Extension and Outreach Publications

Redekar, N. R. and J. L. Parke. 2019. Testing the waters. Digger Magazine 63(6):33-37. http://www.diggermagazine.com/testing-the-waters/

Parke, J. L., Mallory-Smith, C., Dragila, M., Hill, B., Wada, N., Weidman, C., Coop, L., Buckland, K. 2018. Soil solarization – a potential tool for organic growers to manage weeds and improve soil health. Organic Farmer 1(4):12-18.

Mallory-Smith, C., Wada, N., and Parke, J. L. 2019. Here comes the sun: soil solarization for weed management. Digger Magazine (Jan. issue):33-36.

Coop, L. B., D. Upper, F. Funahashi, and J. Parke. 2016. Soil solarization program – for using transparent anti-condensation plastic film to manage two soil-borne plant pathogens: *Phytophthora ramorum* and *P. pini*, developed for nursery beds. Version 0.91. Oregon State University Integrated Plant Protection Center Web Site: http://uspest.org/soil/solarize

Parke, J. and Funahashi, F. 2016. Soil solarization in container nurseries and field production. Digger 60:33-36.

Parke, J. L. and Stoven, H. 2015. Management of the cyanobacterium *Nostoc* in horticultural nurseries. PNW Plant Disease Management Handbook. http://pnwhandbooks.org/plantdisease/pathogen-articles/pathogens-common-many-plants/bacteria-and-other-prokaryotes/management-cyanobacter

Stoven, H. and Parke, J. 2014. Nasty *Nostoc.* Digger 58:25-29.

Parke, J. and Funahashi, F. 2013. Putting the sun to work: solarization can be an effective way to kill pests, pathogens, and weeds. Digger 57:33-36.

Parke, J. and Fisher, P. 2012. Treating irrigation water to eliminate water molds. Pages 5-47 through 5-49 in: Pacific Northwest Plant Disease Management Handbook (J. W. Pscheidt and C. M. Ocamb, eds.) A Pacific Northwest Extension Publication (Oregon State University, Washington State University, and University of Idaho). Online at: http://pnwhandbooks.org/plantdisease/pesticide-articles/treating-irrigation-water-eliminate-water-molds

Griesbach, J.A., Parke, J. L., Chastagner, G.C., Grunwald, N.J., Aguirre, J. 2012. Safe procurement and production manual: a systems approach for the production of healthy nursery stock. 2nd ed. Oregon Association of Nurseries, Wilsonville, OR. 105 pp. http://oan.org/associations/4440/files/pdf/SafeProduction.pdf [Book]

Fisher, P., Meador, D., Parke, J., Wick, R., and Argo, W. 2011. Water quality: what's in your water? Greenhouse Management (Oct. issue)

Parke, J. 2011. A new approach to pests: research into systems approaches is yielding new tools for healthy plant production. Digger 55(8):155-160.

Griesbach, J.A., Parke, J. L., Chastagner, G.C., Grunwald, N.J., Aguirre, J. 2011. Safe procurement and production manual: a systems approach for the production of healthy nursery stock. 95 pp. Oregon Association of Nurseries, Wilsonville, OR.

Parke, J. L. and Lewis, C. 2011. Protecting container-grown plants. Digger 55(2):41-45.

Parke, J. 2011. Managing *Phytophthora*. Oregon Department of Agriculture publication. 4 pp.

Parke, J. 2010. Reducing *Phytophthora*: these top 10 tips will help prevent this group of pathogens from taking hold. Digger 54(9):41-47.

Parke, J. L., Grunwald, N., and Lewis, C. 2008. Tracing the path of pathogens. Digger

52 (12): 43-51.
Parke, J. L., and S. Lucas. 2008. Sudden oak death and ramorum blight. The Plant Health Instructor. DOI: 10.1094/PHI-I-2008-0227-01. Online publication. http://apsnet.org/education/LessonsPlantPath/SuddenOakDeath/default.htm
Parke, J. L., J. Pscheidt, R. Regan, J. Hedberg, and N. Grunwald. 2008. Phytophthora Online Course: Training for Nursery Growers. http://ecampus.oregonstate.edu/Phytophthora
Goheen, E. M., Hansen, E., Kanaskie, A., Osterbauer, N., Parke, J., Pscheidt, J., and Chastagner, G. 2006. Sudden oak death and Phytophthora ramorum: a guide for forest managers, Christmas tree growers, and forest-tree nursery operators in Oregon and Washington. Oregon State University Extension Publication EM 8877. 16 pp.
Parke, J., Frankel, S., Alexander, J. and Thomas, C. 2004. *Phytophthora ramorum* Educate to Detect (PRED) Program. http://www.ncipmc.org/sod/pred.cfm
Parke, J., Pscheidt, J., and Linderman, R. 2003. *Phytophthora ramorum*: a guide for Oregon nurseries. 8 pp. OSU Extension Bulletin EM 8840, Oregon State University, Corvallis.
Harrison, H.C., Parke, J. L. et al. 1992. Ginseng. 4 pp. Alternative Field Crop Manual. UW-Extension.
Parke, J. L., and Shotwell, K. M. 1989. Diseases of cultivated ginseng. University of Wisconsin-Madison Agr. Expt. Sta. Publ. #3465. 16 pp.
Parke, J. L. 2000. Burkholderia cepacia: friend or foe? The Plant Health Instructor. DOI: 10.1094/PHI-I-2000-0926-01.
Parke, J. L. 1998. APSnet Feature Article, October. http://www.apsnet.org/education/feature/BurkholderiaCepacia/Top.html

d. Patents

Parke, J. L. 1993. Biological Inoculant Effective Against *Aphanomyces*. U.S. Issued Patent No. 5,244,658.

Parke, J. L. and Joy, A. E. 1994. Biological Inoculant Effective Against *Alternaria*. U.S. Issued Patent No. 5,360,606.

Parke, J. L., Clark, A. D., Regner, K. M. 2000. Biological Seed Treatment to Improve Emergence, Vigor, Uniformity and Yield of Sweet Corn. U.S. Issued Patent No.

e. Recent Conference Proceedings (2017-present)

Benemann, C. and Parke, J. L. 2017. Determining the amount of soilborne inoculum of *Phytophthora ramorum* within an Oregon tanoak forest. Page 62 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Eberhart, J.E., Funahashi, F., Foster, Z., and Parke, J. L. 2017. Next generation sequencing of oomycete communities in nursery irrigation water. Pages 66-69 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Funahashi, F. and Parke, J. L. 2017. Development of a predictive model to estimate the effect of soil solarization on survival of soilborne inoculum of *Phytophthora ramorum* and *Phytophthora pini.* Page 73 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Parke, J. L., Funahashi, F., Weidman, C., and Peterson, E. K. 2017. Relative heat sensitivities of certain *Phytophthora* spp. and the potential for soil solarization to disinfest nursery beds in west coast states. Pages 49-50 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Peterson, E., Grunwald, N. J., and Parke, J. L. 2017. Incubation of *Phytophthora ramorum*-infested leaf debris in soil affects survival, sporulation capacity, and subsequent risk of epidemic development within nurseries. Pages 48 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Peterson, E., Grunwald, N. J., and Parke, J. L. 2017. Soil moisture and temperature conditions affect survival and sporulation capacity of rhododendron leaf disks infested by *Phytophthora ramorum.* Page 81 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Peterson, E., Parke, J. L., and Larson, E. 2017. Management of foliar infection of rhododendron by *Phytophthora ramorum* with film-forming polymers and surfactants. Pages 79-80 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

Rupp, F., Peterson, E. K., Eberhart, J., and Parke, J. L. 2017. Host range determination and fungicide resistance assessment of Phytophthora lateralis isolates from horticultural nurseries in Oregon. Pages 85-86 in: Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S.D.A. Forest Service, Pacific Southwest Research Station. (Frankel, S., Harrell, K.M. tech. coords.).

f. Recent presentations (2017-present)

Parke, J. L., Elliott, M., Eberhart, J., and Chastagner, G. 2017. *Phytophthora* spp. associated with nursery-grown native plants in the Pacific Northwest. 8th meeting of the IUFRO Working Party 7.02.09, Sapa, Vietnam. Mar. 19-25, 2017. Oral presentation.

Parke, J. L. 2017. The state of *Phytophthora* management: a view from the nursery. *Phytophthora* Species in Restoration Nurseries, Plantings, and Wildlands II. San Jose, CA. May 18, 2017. Invited presentation. 145 participants.

Peterson, E. K., Rupp, F., Eberhart, J., Parke , J. 2017. Root rot of *Juniperus* and *Microbiota* by *Phytophthora lateralis* in Oregon horticultural nurseries. 8th meeting of the IUFRO Working Party 7.02.09, Sapa, Vietnam. Mar. 19-25, 2017. Poster presentation.

Redekar, N., Eberhart, J., and Parke, J. 2017. Analysis of *Phytophthora* communities in a western Oregon (USA) river with Illumina MiSeq. 8th meeting of the IUFRO Working Party 7.02.09, Sapa, Vietnam. Mar. 19-25, 2017. Poster presentation.

Redekar, N., Eberhart, J. and Parke, J. 2017. Characterization of oomycetes in irrigation water using high-throughput sequencing of nucleic acids. 63rd Annual Conference on Soilborne Plant Pathogens, Mar. 25-28, 2017. UC Davis, CA. Oral presentation.