

CURRICULUM VITAE

University of Idaho

NAME: Louise-Marie C. Dandurand

DATE: December, 2023

RANK OR TITLE: Professor, Director Pale Cyst Nematode Project

DEPARTMENT: Entomology, Plant Pathology, and Nematology

OFFICE LOCATION AND CAMPUS ZIP:

Agricultural Biotechnology Building Room 109

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DATE OF FIRST EMPLOYMENT AT UI: July 1, 1990

DATE OF TENURE: Tenured

DATE OF PRESENT RANK OR TITLE: July 2023

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., University of California, Riverside, CA, 1990, Plant Pathology

M. S., University of Connecticut, Storrs, CT, 1985, Plant Science

B.A., University of Vermont, Burlington, VT, 1981, Botany

EXPERIENCE:

Teaching, Extension and Research Appointments:

Professor, University of Idaho, (July 2023 to current)

Associate Professor, University of Idaho (April 2020 to June 2023)

Research Associate Professor, University of Idaho, Moscow (July 2018 to April 2020)

Research Assistant Professor, University of Idaho, Moscow (July 2014 to June 2018)

Research Scientist, University of Idaho, Moscow (August 2011 to June 2014; 1993 to 2001)

Post-Doctoral Fellow, University of Idaho, Moscow (1991 to 1993)

Academic Administrative Appointments:

Director, Pale Cyst Nematode Project, University of Idaho, August 2011 to present

Non-Academic Employment including Armed Forces: Treasurer and Board of Directors, Paloma Institute, 2010-2016.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Nematology, Plant Pathology

Students Advised:

High School Students:

E. Dearien, ELI mentorship program, Mycology, 2018

Undergraduate Students:

M. Murray, Directed Study, Nematology, 2016

N. Solo, Directed Study, Nematology, 2017

Graduate Students:

Advised to completion of degree:

J. B. Contina, Ph.D., Plant Sciences, 2019

J. B. Contina, M.S., Plant Sciences, 2016

N. Solo, M.S., Plant Pathology, 2019

B. Bhatta, M.S. Plant Pathology, 2021

P. Chhetri, M.S. Plant Pathology, 2021

Current students:

P. Hickman, Ph.D. candidate (anticipated, 2023)

L. Schulz, Ph.D. candidate (anticipated, 2024)

B. Bhatta, Ph. D. candidate (anticipated, 2024)

Z. Amiri, Ph. D. candidate (anticipated, 2026)

Served on graduate committee:

Inna Popova, M.S., Soil and Land Resources, 2020

Rachel Gross, Ph.D., Plant Sciences, 2020

Li Huang, 2022, Plant Sciences, 2022

Materials Developed: (non-scholarship activity)

E-book:

Knudsen, G. R. and **L.M. Dandurand**. 2013. Phytopathologie. E-book. (Used for Santé Végétale course, UNOGA, Jeremie Haiti).

Knudsen, G.R. and **L.M. Dandurand**. 2013. Microbiologie en Santé et l'Agriculture. Ebook. (Used for Microbiology in Agriculture and the Environment, UNOGA, Jeremie, Haiti).

Website:

Globodera Alliance website: www.globodera.org

Courses Developed:

Santé Végétale (Plant Pathology). Two week intensive course in Plant Pathology at Université de la Nouvelle Grand'Anse, Jérémie, Haiti (3 credits, developed in French, 2013)

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Dandurand, L. M. The Biology and Management of Potato Nematodes. Potato Science Lecture. Fall 2021.

- Dandurand, L. M. Phytosanitary Measures for Plant Parasitic Nematodes. Potato Science Lecture. Fall 2021.
- Dandurand, L. M. Potato Cyst Nematodes. Global Disease Ecology Lecture. Fall 2021.
- Dandurand, L. M. Management of Plant Parasitic Nematodes. Plant Pathology Lecture, Fall, 2021
- **Hickman, P., and **L. M. Dandurand.** Impact and control of *Globodera pallida*, the pale cyst nematode in Idaho. EPPN department seminar presentation, March 1, 2021.
- Dandurand, L. M. Potato cyst nematode control and containment. Nematology Lecture, WSU, Spring 2020.
- Dandurand, L. M. The invasive potato cyst nematode, *Globodera pallida*, in Idaho. Plant Science Departmental Seminar, invited. University of Idaho, Moscow, ID. September 20, 2019.
- Dandurand, L. M. *Globodera pallida* in Idaho: Challenges and successes. Plant Pathology Department invited speaker. Washington State University, Pullman, WA. February 25, 2019.
- Dandurand, L.M. Invasive *Globodera pallida* in Idaho. Introduction to Nematology class, guest lecture. Plant Pathology Department, Washington State University, Pullman, WA. February 25, 2019.
- Dandurand, L. M., and I. Zasada. Eradication of *Globodera pallida* in Idaho. Servicio Agrícola y Ganadero, Punta Arenas, Chile. (May 2017). (Invited lecture).
- Dandurand, L. M., and Zasada, I. Eradication and containment of *Globodera pallida* in the United States. Servicio Agrícola y Ganadero, Santiago, Chile (April 2017). (Technical workshop with Chilean nematologists).
- Dandurand, L.M., Zasada, I. Eradication of *Globodera pallida* in Idaho. Servicio Agrícola y Ganadero, San Pedro de Atacama, Chile. (April 2017). (Invited lecture).
- Dandurand, L.M., and Zasada, I. Eradication and containment of potato cyst nematodes in the United States. Servicio Agrícola y Ganadero, Santiago, Chile (April 2017). (Invited seminar).
- Dandurand, L.M. Use of *Solanum sisymbriifolium* and biofumigants for control of *G. pallida*. Servicio Agrícola y Ganadero, Santiago, Chile. (April 2017). (Invited seminar).
- Dandurand, L. M. Nematology lectures, PLSC 415, University of Idaho, 2016, 2014, 2012, and 2011.
- Dandurand, L. M. Plant pathology in Haiti lecture, PLSC 415, University of Idaho, 2014.
- Dandurand, L. M. Santé Végétale, Université de la Nouvelle Grand'Anse, Jérémie, Haiti. Fall 2013 (2-week intensive course in Plant Pathology, 3 credits.)
- Dandurand, L. M. PCN Workshops (organized). University of Idaho Potato Conference, Pocatello, Idaho, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020.
- Dandurand, L. M. Plant pathology for Master Gardeners, St. Maries, Idaho, 2011.
- Dandurand, L. M. Growing edible and medicinal mushrooms, Sustainable Growers, Potlatch, Idaho, 2010.
- Dandurand, L. M. Guest Lecturer, Soil Biology, Soil 428, University of Idaho, 1993-1998.

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Refereed/Adjudicated:

Book Chapters:

- Zasada, I., **L. M. Dandurand**, C. Gleason, C. H. Hagerty, R. E. Ingham. 2018. Plant parasitic nematodes of the Pacific Northwest: Idaho, Oregon, Washington. Pages 211-239 in: S. A. Subbotin and J. J. Chitamber (Eds). Plant Parasitic Nematodes in Sustainable Agriculture of North America. Vol. 1 – Canada, Mexico and Western USA. Springer Nature Switzerland AG.
- Knudsen, G. R., and **L. M. Dandurand**. 2007. Analysis of spatial patterns of rhizoplane colonization. Pages 109-133 in: R. B. Franklin and A. L. Mills, The Spatial Distribution of Microbes in the Environment. Springer Press.
- Dandurand, L. M.**, and G. R. Knudsen. 2001. Sampling microbes from the Rhizosphere and Phyllosphere. In: C. J. Hurst, R. L. Crawford, G. R. Knudsen, M. J. McInerney, and L. D. Stetzenbach (eds.). Manual of Environmental Microbiology, 2nd Edition. American Society for Microbiology, Washington, DC. pp. 516-526.
- Dandurand, L. M.**, and G. R. Knudsen. 1996. Sampling Microbes from the rhizosphere and phyllosphere. In: C. J. Hurst, G. R. Knudsen, M. J. McInerney, L. D. Stetzenbach, and M. V. Walter (ed.). Manual of Environmental Microbiology. American Society for Microbiology, Washington, DC. pp. 391-399.

Abstracts: (* - post doc; ** - student)

- **Bhatta, B. & **Dandurand L. M.** (2023). Pathotype and virulence of *Globodera* species from Peru to assess diversity of South American populations. *Journal of Nematology* 55:12.
- **Amiri, S-B., **L. M. Dandurand**. Erosion of potato resistance to *Globodera pallida*. *J. of Nematol.* 55:5.
- **Schulz, L., Popova, I., **Dandurand, L. M.** (2023). Toxic Effects of the Trap Crop, *Solanum sisymbriifolium*, on the Potato Cyst Nematode, *Globodera pallida*. *J. Nematol.* 55:103.
- **Hickman, P. & **Dandurand, L. M.** (2023). Investigating pathogenicity and competition in co-infestations of *Globodera ellingtonae* and *Globodera pallida* on russet potato. *Journal of Nematology* 55:45.
- **Hickman, P., and **L.-M. Dandurand**. 2022. Evaluating trap crops and crop rotations for potato cyst nematode eradication in Idaho. *J. Nematol.* 54:.
- **Schulz, L. I. Popova, **L.-M. Dandurand**. 2022. Toxic effects of the trap crop, *Solanum sisymbriifolium* on the potato cyst nematode, *Globodera pallida*. *J. Nematol.* 54:.
- **Chhetri, P., **L. M. Dandurand**, and I. Popova. 2021. Control of *Globodera pallida* using trap crop, *solanum sisymbriifolium* combined with *sinapis alba* seed meal extract or 4-hydroxybenzyl alcohol (HBA). *J. Nematol.* 53:6.

- Dandurand, L. M., J. C. Kuhl, A. Caplan, F. Xiao, R. Novy, J. Whitworth, I. Zasada, X. Wang. 2021. Development of resistance to potato cyst nematodes. *J. Nematol.* 53:8.
- **Hickman, P., and **L. M. Dandurand**. 2021. Trap Crops for the eradication of *Globodera pallida*, the pale cyst nematode in infested Idaho fields. *J. Nematol.* 53:14-15.
- *Kud, J., *S. S. Pillai, A. Caplan, J. Kuhl, F. Xiao, and **L. M. Dandurand**. The host-specific impact of root exudates on potato cyst nematode, *Globodera pallida*. *J. Nematol.* 53:18-19.
- LaMondia, J., and **L. M. Dandurand**. 2021. Effects of planting density on litchi tomato (*Solanum sisymbriifolium*) trap crop efficacy against the tobacco cyst nematode, *Globodera tabacum*. *J. Nematol.* 53:19.
- **Bhatta, B., **L. M. Dandurand**, M. J., Morra, and I. Popova. 2020. Control of *Globodera pallida* using *Brassica juncea* seed meal extract and trap crop *Solanum sisymbriifolium*. *Methyl Bromide Alternatives Outreach Conference 2020*. https://mbao.org/static/docs/conf/2020-online/papers/12_bhattabhupendra_pcn_summary_mbao_2020.docx
- **Bhatta, B., **L. M. Dandurand**, L. J. Morra, and I. Popova, I. 2020. Control of *Globodera pallida* using *Brassica juncea* seed meal extract and trap crop *Solanum sisymbriifolium*. *Plant Health 2020*. <https://apsnet.confex.com/apsnet/2020/meetingapp.cgi/Paper/15993>
- *Pillai, S. S., and **L. M. Dandurand**. Effect of Solanaceous glycoalkaloids on hatch and pre-parasitic juvenile motility of potato cyst nematode *Globodera pallida*. *Plant Health 2020*. Online.
- *Kud, J., W. Wang, Y. Fan, R. Gross, L. Huang, Y. Yuan, A. Gray, J. C. Kuhl, A. Caplan, Y. Liu, **L. M. Dandurand**, and F. Xiao. 2019. The potato cyst nematode effector, RHA1B, is an E3 ubiquitin ligase and uses two distinct mechanisms to suppress plant immune signaling. *J. Nematol.* 51:25.
- **Bhatta, B., and **L. M. Dandurand**. 2019. Control of *Globodera pallida* using *Brassica juncea* seed-meal extract and the trap crop, *Solanum sisymbriifolium*. *J. Nematol.* 51, 1–48. <https://doi.org/10.21307/jofnem-2019-065>
- **Contina, J. B., **L.M. Dandurand**, and G. R. Knudsen. 2018. Modelling the spatial distribution of the potato cyst nematode, *Globodera pallida* in Idaho. *Phytopath.* 108:43.
- Dandurand, L. M.**, G. Bryant, V. Blok, W. DeJong, D. Denver, P. Hutchinson, J. Jones, J. C. Kuhl, C. McIntosh, R. Novy, M. Thornton, J. Whitworth, X. Wang, I. Zasada. 2018. *Globodera* Alliance (GLOBAL): Risk assessment and eradication of *Globodera* spp. in US production of potato. *J. Nematol.* 50:631
- **Solo, N., **L. M. Dandurand**, J. Kuhl, F. Xiao, and A. Caplan. 2018. Characterization of Glutathione S-transferase (GST) and Superoxide dismutase (SOD) from the potato cyst nematode, *Globodera pallida*. *Phytopath.* 108:57.
- **Contina, J. B., G. R. Knudsen, and **L. M. Dandurand**. 2017. Biological control approaches to plant-parasitic nematodes: The case of *Trichoderma harzianum* strain THZIDI. *J. Nematol.* 49:486-487.
- **Contina, J. B., G. R. Knudsen, and **L. M. Dandurand**. 2017. A spatial point pattern analysis of the potato cyst nematode *Globodera pallida* in southern Idaho. *J. Nematol.* 49:487.

- Dandurand, L. M.** 2017. Status of *Globodera pallida* in Idaho – research outlooks. *J. Nematol.* 49:487-488.
- Dandurand, L. M.** 2017. Global efforts to control the pale cyst nematode. *Phytopath.* 107, Number 12S page S5.154.
- Dandurand, L. M.,** I. Zasada, and X. Wang. 2017. Efforts to control potato cyst nematodes in the US. *Nematropica* 47:10.
- Dandurand, L. M.,** M. Morra, I. Popova, and C. Harder, C. 2017. Effect of *Brassica juncea* seed meal extract on the potato cyst nematode, *Globodera pallida*. *Nematropica* 47(2):10.
- *Duarte, A., *R. Kooliyottil, and **L. M. Dandurand.** 2017. Molecular characterization of the expansin gene in *Globodera pallida* and *Globodera ellingtonae*. *J. Nematol.* 49:489-490.
- *Hajihassani, A., and **L. M. Dandurand.** 2017. An improved technique for sorting developmental stages and assessing egg viability of *Globodera pallida* using high-throughput complex object parametric analyzer and sorter. *J. Nematol.* 49:498.
- **Harder, C., **L. M. Dandurand,** and M. Morra. 2017. Inhibitory and stimulatory use of biofumigant extracts for control of *Globodera pallida*. *J. Nematol.* 49:500.
- *Kooliyottil, R., and **L. M. Dandurand.** 2017. Advancement in biocontrol research: A cellular level approach to study tropic interactions. *J. Nematol.* 49:507.
- *Kud J, W. Wang, Y. Fan, *A. Duarte, **L. M. Dandurand,** and F. Xiao. 2017. *Globodera pallida* effector RHA1B manipulates plant immunity through its E3 ubiquitin ligase activity. *J. Nematol.* 49:508.
- LaMondia, J. A., and **L. M. Dandurand.** 2017. Effects of resistance or susceptible tobacco (*Nicotiana tabacum*) and litchi tomato (*Solanum sisymbriifolium*). *J. Nematol.* 49:509-510.
- Zasada, I., **L. M. Dandurand,** X. Wang. 2017. 75 years of potato cyst nematodes in the United States: A case study for quarantine pests. *Phytopath.* 107:7.
- *Contina, J. B., G. R. Knudsen, and **L. M. Dandurand.** 2016. Biological control of the pale cyst nematode *Globodera pallida* with *Trichoderma harzianum*. *J. Nematol.* 48:311.
- *Duarte, A., and **L. M. Dandurand.** 2016. Characterization of effector genes from *Globodera pallida* in resistant and susceptible potato plants. *J. Nematol.* 48:314.
- *Kooliyottil, R., **L. M. Dandurand,** and G. R. Knudsen. 2016. Diversity and biocontrol potential of fungi isolated from cyst nematode *Globodera pallida*. *J. Nematol.* 48:339.
- *Kooliyottil, R., **L. M. Dandurand,** J. Kuhl, A. Caplan, and F. Xiao. 2016. Transcriptome of *Solanum sisymbriifolium* and *Solanum tuberosum* from *Globodera pallida* infected root cell. *J. Nematol.* 48:340.
- Zasada, I. A., X. Wang, and **L. M. Dandurand.** 2016. Current state of *Globodera* infestations in the U.S. *J. Nematol.* 48:387.
- Dandurand L. M.,** G. Knudsen, G. Bryan, V. Block, W. De Jong, D. Denver, P. Hutchinson, E. Grenier, J. Jones, J. Kuhl, B. Mimee, R. Novy, M. Thornton, W. Wang, J. Whitworth, and I. Zasada. 2015. Risk assessment and eradication of *Globodera* spp. in US potato production. *J. Nematol.* 47:230.
- **Amiri, Z. M., **L. M. Dandurand,** and G. R. Knudsen. 2015. Colonization of *Globodera pallida*-killing fungi on barley roots. *J. Nematol.* 47:220.

- **Contina, J. B., G. R. Knudsen, and **L. M. Dandurand**. 2015. Colonization of *Globodera pallida* (pale cyst nematode) cysts by *Trichoderma harzianum*. *J. Nematol.* 47:229.
- *Kooliyottil, R., and **L. M. Dandurand**. 2015. Comparative study of the colonization and development of *Globodera pallida* in the roots of *Solanum tuberosum* and *Solanum sisymbriifolium*. *J. Nematol.* 47:250.
- Malinouski, M., J. Rowley, and **L. M. Dandurand**. 2015. Developing automated methods for analysis and sorting of *Globodera pallida* cysts, eggs, and juveniles using a large particle flow cytometer. *J. Nematol.* 47:253.
- Rowley, J., and **L. M. Dandurand**. 2015. In vitro comparison of litchi tomato and potato diffusate on hatching of *Globodera pallida*. *J. Nematol.* 47:266.
- Dandurand, L. M.**, and G. R. Knudsen. 2014. Workshop on plant disease identification and management strategies for smallholder farms in Haiti. *Phytopath.* 104:30.
- Knudsen, G. R., and **L. M. Dandurand**. 2014. Use of a trophic simulation model to develop pale cyst nematode eradication strategies. Northwest Scientific Association annual meeting, Missoula, MT, March 26-29, 2014.
- Navarre, D., I. Zasada, and **L. M. Dandurand**. 2014. Potential of artichoke as a trap crop for control of the cyst nematodes *Globodera ellingtonae* and *G. pallida*. *Phytopath.* 104:85.
- Dandurand, L.M., Development of *Globodera pallida* in the trap crop *Solanum sisymbriifolium*. *J. Nematol.* 46:150.
- Dandurand, L. M.**, G. R. Knudsen, C. R. Brown, C. J. Filip, and P. Gajjar. 2013. Potential of *Solanum sisymbriifolium* and the biological control fungi *Trichoderma harzianum* and *Plectosphaerella cucumerina* to control *Globodera pallida*, the pale cyst nematode. *J. Nematol.* 45:286.
- Dandurand, L. M.**, C. R. Brown, G. R. Knudsen, C. J. Filip, and P. Gajjar. 2013. Potential of *Solanum sisymbriifolium* as a trap crop for the control of the pale cyst nematode, *Globodera pallida*. *J. Nematol.* 45: 286.
- Knudsen, G. R., and **L. M. Dandurand**. 2012. Predictive model of eradication and management strategies for pale cyst nematode. *Phytopath.*102: 64.
- Worapong, J., T. Johnson, and **L. M. Dandurand**. 2012. Potential of nematophagous fungi for control of the pale cyst nematode, *Globodera pallida*. *Phytopath.* 102:137.

Peer Reviewed/Evaluated: (*post doc; ** grad student)

- Baker, H. V., I. A. Zasada, C. Gleason, and L. M. Dandurand. 2023. Reproduction and invasion dynamics of *Globodera pallida* and *Meloidogyne* spp. in *Solanum sisymbriifolium*. *Nematropica* 53:70-81.
- **Bhatta, B., L.-M. Dandurand, M. J. Morra, I. Popova. 2023. Control of *Globodera pallida* using *Brassica juncea* seed meal extract and the trap crop *Solanum sisymbriifolium*. *Pl. Dis.* 107:1809-1815.
- **Chhetri, P., L.-M. Dandurand, I. Popova. 2023. Control of *Globodera pallida* using *Sinapis alba* or 4-hydroxy benzyl alcohol with the trap crop *Solanum sisymbriifolium* or the biofumigant *Brassica juncea* seed meal extract. *Pl. Dis.*107:1491-1498 <https://doi.org/10.1094/PDIS-06-22-1280-RE>
- Dahan, J., M. J. Pedroni, B. D. Thompson, M. Chikh-Ali, L. M. Dandurand, J. C. Kuhl, A. V. Karasev. 2023 First Report of Tomato Chlorotic Virus in

- Litchi Tomato (*Solanum sisymbrrifolium*). *Plant Disease*. 107:2564. <https://doi.org/10.1094/PDIS-03-23-0422-PDN>.
- Hickman, P., & Dandurand, L. M. (2023). Evaluation of Solanaceous Species as Nonhost Trap Crops for. *Journal of Nematology*, 55(1).
- Hickman, P. Schulz, L. & Dandurand, L. M. 2023. Host status and hatching effect of hemp (*Cannabis sativa*) and teff (*Eragrostis tef*) on *Globodera pallida*. *Nematropica*, *In press*.
- Huang., L. Y. Yuan, C. Lewis, J. Kud., J.C. Kuhl, A. Caplan, L. M. Dandurand, I. Zasada, F. Xiao. 2023. N1LR1 perceives a nematode ascaroside triggering immune signaling and resistance. *Current Biology*, ISSN 0960-9822, <https://doi.org/10.1016/j.cub.2023.08.017>
- [Sainz, C., C.L. Villarroe, I.A. Zasada, L.M. Dandurand, J. Kuhl, R. Silvestre, C. Hesse, A.B. Peetz, T. Bendetti, H.V. Baker, and S.A. Subbotin \(2023\) Occurrence and distribution of *Globodera* spp. in Bolivia. *Nematropica*. 53: 82-88.](https://doi.org/10.1016/j.cub.2023.08.017)
- *Kud J, Pillai SS, Raber G, Caplan A, Kuhl JC, Xiao F and Dandurand L-M. 2022. Belowground Chemical Interactions: An Insight Into Host-Specific Behavior of *Globodera* spp. Hatched in Root Exudates From Potato and Its Wild Relative, *Solanum sisymbriifolium*. *Front. Plant Sci*. 12. <https://doi.org/10.3389/fpls.2021.802622>
- *Kud, J., J. Dahan, G. E. Orellana, L.-M. Dandurand, A. V. Karasev. 2022. A novel Rhabdovirus associated with the Idaho population of the potato cyst nematode, *Globodera pallida*. *Viruses*. Special Issue: Applications of next-generation sequencing in virus discovery 2.0. <https://doi.org/10.3390/v14122718>
- Popova, I., B. Sell, S. S. Pillai, J. C. Kuhl, L. M. Dandurand. 2022. High-performance liquid chromatography-mass spectrometry analysis of glycoalkaloids from underexploited *Solanum* species and their acetylcholinesterase inhibition activity. *Plants* 11:269.
- Silvestre, R., L. M. Dandurand, I. A. Zasada, J. Franco, and J. C. Kuhl. 2021. An assessment of the potato cyst nematode (*Globodera* spp.) literature from the Andean region of South America. Part 1: Occurrence and impact. *Nematropica*. 51: 85-105.
- Silvestre, R., L. M. Dandurand, I. A. Zasada, J. Franco, and J. C. Kuhl. 2021. An assessment of the potato cyst nematode (*Globodera* spp.) literature from the Andean region of South America. Part 2: Search for resistance in potato. *Nematropica* 51: 106-130.
- Gartner, U., I. Hein, L. H. Brown, X. Chen, S. Mantelin, S. K. Sharma, **L. M. Dandurand**, J. C. Kuhl, J. T. Jones, G. J. Bryan, and V. C. Blok. 2021. Resisting Potato Cyst Nematodes with Resistance. *Front. Pl. Sci*. 12:483. <https://doi.org/10.3389/fpls.2021.661194>
- Hesse, C. N., I. Moreno, O. Acevedo Pardo, H. Pcheco Fuentes, E. Grenier, **L. M. Dandurand**, I. A. Zasada. 2021. Characterization of *Globodera ellingtonae* populations from Chile utilizing whole genome sequencing. *Journal of Nematology* 53:1-9. <https://doi.org/10.21307/jofnem-2021-088>
- *Pillai, S. S., and **L. M. Dandurand**. 2021. Effect of steroidal glycoalkaloids on hatch and reproduction of the potato cyst nematode *Globodera pallida*. *Pl. Dis*. 105:2975-2980. <https://doi.org/10.1094/PDIS-02-21-0247-RE>

- *Pillai, S. S., and **L. M. Dandurand**. (2021). Potato cyst nematode egg viability assessment and pre-parasitic juvenile screening using a large particle flow cytometer and sorter. *Phytopathology*. 111:713-719.
<https://doi.org/10.1094/PHYTO-06-20-0255-R>
- **Solo N., *J. Kud, A. Caplan, J. Kuhl, F. Xiao, and **L. M. Dandurand**. 2021. Characterization of the superoxide dismutase (SOD) from the potato cyst nematode, *Globodera pallida*. *Phytopath*. 111:2110-2117.
<https://doi.org/10.1094/PHYTO-01-21-0021-R>
- Wasala, S.K., D. K. Howe, **L. M. Dandurand**, I. A. Zasada, and D. R. Denver. 2021. Genomic Analyses of *Globodera pallida*, A Quarantine Agricultural Pathogen in Idaho. *Pathogens*. 10:363.
<https://doi.org/10.3390/pathogens10030363>
- **Contina, J. B., **L. M. Dandurand**, and G. R. Knudsen. 2020. A spatiotemporal analysis and dispersal patterns of the potato cyst nematode *Globodera pallida* in Idaho. *Phytopath*. 110:379-392.
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- Dandurand, L. M. Global efforts to control the pale cyst nematode. American Phytopathological Society Annual Meeting. San Antonio, TX. August 5-9, 2017. (Invited symposium speaker).
- Dandurand, L. M. Status of *Globodera pallida* in Idaho—Research outlooks. Society of Nematologists Annual Meeting. Williamsburg, VA. August 13-17, 2017. (Invited symposium speaker).
- Wixom, A., C. Casavant, J. Kuhl, F. Xiao, L. M. Dandurand, and A. Caplan Genetic basis of biocontrol in *Solanum sisymbriifolium*. 13th Solanaceae Conference, Davis, CA, contributed. Sept 12-16, 2017.
- Zasada, I., L. M. Dandurand, X. Wang. Current state of *Globodera* infestations in the U.S. Symposium on the Worldwide Impact of Potato Cyst Nematodes. Society of Nematology annual meeting. Montreal, Quebec, Canada July 17-21, 2016. (Invited presentation).
(<https://www.youtube.com/watch?v=t1R8GPVIkc&t=173s>)
- Knudsen, G. R., Dandurand, L. M., Contina, J. B. Modeling trap crop and biocontrol agent effectiveness in management strategies for *Globodera pallida*. 4th Symposium on Potato Cyst Nematode Management. Harper Adams University, Newport, Shropshire, UK. September 7-8, 2015.

Dandurand, L.M., Knudsen, G. R., Influence of *Solanum sisymbriifolium* and the biological control fungi *Trichoderma harzianum* and *Plectosphaerella cucumerina* on control of *Globodera pallida*. ONTA annual conference, Varadero, Cuba. May 17-22, 2015.

Dandurand, L. M., Knudsen, G., Morra, M, Brown, C., LaMondia, J. 2015. Bio-based control strategies for *Globodera pallida*. Soil Fungus conference, San Francisco, CA. March 21, 2015.

Dandurand, L. M., and M. Morra. Pale cyst nematode control: biofumigants. Harper Adam University, Shropshire, UK. September 9, 2015 (invited seminar).

Professional Meeting Workshops:

Zasada, I. and L. M. Dandurand. Organized the *Globodera* Alliance (GLOBAL), Bioinformatics Workshop, Oregon State University, Corvallis, OR. March 11-14, 2019.

Dandurand, L. M. Organized and chaired a symposium on ‘GLOBAL impact of *Globodera* spp’. Organization of Nematologists of the Tropical Americas (ONTA), August 19-23, 2018, Arequipa, Peru.

Dandurand, L. M. Organized and chaired the symposium ‘Impact of PCN in Idaho’. Potato Association of America conference, Boise, ID. July 24, 2018.

Hutchinson, P., and L. M. Dandurand. Organized and chaired the symposium ‘Quarantine pests of potato’. Potato Association of America conference, Boise, ID, July 23-25, 2018

Dandurand, L. M. Organized and chaired the symposium: ‘Worldwide Impact of Potato Cyst Nematodes.’ Sponsored by the *Globodera* Alliance Project and the SON Biocontrol Committee. Society of Nematologist (SON) and the Organization of Nematologist for Tropical America (ONTA) Joint meeting, Montréal, QC, Canada. July 19, 2016.

Patents:

Patent application 2017: Nematode Control: Nematode hatch enhancement by 4-hydroxy benzyl alcohol. M. Morra, L. M. Dandurand, and I. Popova. US Patent App. 16/779,846.

Grants and Contracts Awarded (2011 - Present: Total \$26,287,597; Spending Authority \$14,841,295)

Zasada, I., **L. M. Dandurand**, I. Popova. Natural nematicidal compounds from litchi tomato. ARS-State Partnership Potato Program (\$50,000; \$19,083; awarded July 2023).

Dandurand, L.M., I. Popova. Smart nematicidal system for targeted control of invasive nematodes. USDA-AFRI. Awarded January 2023-December 31 2024. (\$300,000, \$236,000).

Dandurand, L.M. A. Caplan, F. Xiao, J. Kuhl. PCN Immunity. APHIS Plant Protection Act. \$468,057; \$341,989).

Dandurand, L.M., I. Zasada, J. Kuhl. PCN Genetic Diversity. APHIS Plant Protection Act. 8/1/2023-7/31/2024 (\$172,969; \$129,142).

Dandurand, L. M. PCN Resistance Development. USDA-APHIS. 8/1/2023-7/31/2024. (\$300,000).

Zasada, I., **L. M. Dandurand**, I. Popova. Natural nematicidal compounds from litchi tomato. ARS-State Partnership Potato Program. 9/2022-8/2024. (\$50,000; \$19,083)

Dandurand, L.-M., J. Kuhl, C. Gleason, I. Zasada, I. Popova, P. Watson, M. Quintanilla, R. Spear, A. Caplan, F. Xiao, R. Novy, J. Whitworth, A. Kalyanaraman, M. Feldman, S. Sathuvalli, W. De Jong, X. Wang. Systems approach to nematode control in US potato. USDA-NIFA-SCRI Coordinated Agricultural Project. September 15, 2022, to September 14, 2026. \$6,796,151, \$2,474,440).

Zasada, I., A. Karasev, **L. M. Dandurand**, J. Kud. Screening for viruses pathogenic to potato cyst nematodes. ARS-State Partnership Potato Program. (\$63,500; \$29,090; awarded May 17, 2022).

Wang, X, W. DeJong, A. Karasev, **L. M. Dandurand**. Developing novel tools to combat devastating potato pathogens. ARS-State Partnership (\$89,000; \$20,000; awarded May 17, 2022).

Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, W. DeJong. Immunity to potato cyst nematodes. USDA-APHIS Plant Protection Act. August 1, 2022 – July 31, 2023. (Total \$641,696; \$460,159).

Karasev, A., **L. M. Dandurand**, J. Kuhl. Protect U.S. potatoes against exotic virioids. August 1, 2022 – July 31, 2023. USDA-APHIS Plant Protection Act. (Total \$210,322; \$15,164).

Dandurand L. M., J. Kuhl, A. Caplan, and F. Xiao, I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium, and Idaho Potato Commission. August 1, 2022 – July 31, 2023. (Total \$60,000; \$15,000).

Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao., W. DeJong. Immunity to potato cyst nematodes. USDA-APHIS Plant Protection Act Funds. August 1, 2021 – July 31, 2022. (Total \$678,934; \$336,632).

Dandurand, L. M., J. Kuhl, and I. Zasada. USDA-APHIS. Genetic Diversity of *Globodera* spp. USDA-APHIS Plant Protection Act. August 1, 2021 – July 31, 2022. (Total \$203,987; \$153,830).

Karasev, A., **L. M. Dandurand**, J. Kuhl. Protect U.S. potatoes against exotic virioids. August 1, 2021 – July 31, 2022. USDA-APHIS Plant Protection Act. (Total \$105,159; \$7,581).

Xiao, F., J. Kud, **L. M. Dandurand**. Characterization of the cyst nematode effector and host susceptibility genes to develop nematode resistance in potato. USDA-NIFA-AFRI. October 1, 2021 - September 30, 2025. (\$681,158; \$82,576)

Popova, I., **L. M. Dandurand**, P. Watson. Improved biofumigant formulation for eradication of *Globodera pallida*. USDA-NIFA Methyl Bromide Transition Program. October 1, 2021 - September 30, 2024 (\$499,993; \$244,556)

Dandurand L. M., J. Kuhl, A. Caplan, and F. Xiao. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. August 1, 2021 – July 31, 2022. (Total \$55,000; \$13,750).

Gleason, C., and **L. M. Dandurand**. An investigation into the potential for broad spectrum resistance against plant parasitic nematodes in potato.

- Northwest Potato Research Consortium. August 1, 2021 – July 31, 2022. (\$30,000; \$7,729).
- Zasada, I. and **L. M. Dandurand**. Natural nematicidal compounds from litchi tomato. USDA-ARS. September 1, 2021 – August 30, 2023. (\$50,000; \$38,166).
- Dandurand L. M.**, J. Kuhl, A. Caplan, F. Xiao, W. DeJong. Immunity to potato cyst nematodes. USDA-APHIS Plant Protection Act. August 1, 2020 – July 31, 2022. (Total \$578,790; \$348,000).
- Dandurand, L. M.**, J. Kuhl, and I. Zasada. USDA-APHIS. Genetic Diversity of *Globodera* spp. USDA-APHIS Plant Protection Act. August 1, 2020 – July 31, 2022. (Total \$203,987; \$146,732).
- Dandurand, L. M.**, J. Kuhl, C. McIntosh, and I. Zasada. USDA-NIFA Methyl Bromide Transition Program. Development of resistance and trap cropping for control of *Globodera pallida*. September 1, 2020 – August 31, 2023. (Total \$497,522; \$208,604).
- Dandurand, L. M.**, A. Caplan, J. Kuhl, J., and F. Xiao. Functional genomics of *Solanum sisymbriifolium*. Northwest Potato Research Consortium. August 1, 2020 – July 31, 2021. (Total \$60,000; \$17,666).
- Karasev, A., J. Kuhl, and **L. M. Dandurand**. Protect U.S. potatoes against exotic virioids. August 1, 2020 – July 31, 2021. USDA-APHIS Plant Protection Act. (Total \$105,161; \$7,581).
- Xiao, F., and **L. M. Dandurand**. Develop of resistance to pale cyst nematode in potato via loss of susceptibility. Idaho State Department of Agriculture (Idaho Potato Commission pass through). October 1, 2020 – September 30, 2021. (Total \$114,328; \$52,760).
- Dandurand, L. M.**, J. Kuhl, A. Caplan, F. Xiao, W. DeJong. Immunity to potato cyst nematodes. USDA-APHIS Plant Protection Act. August 1, 2019 – July 31, 2020. (Total \$657,313; \$234,620).
- Dandurand L. M.**, P. Hutchinson, M. Morra, I. Zasada, and D. Navarre. PCN eradication. USDA-APHIS Plant Protection Act. September 1, 2019 – August 31, 2020. (Total \$657,411; \$358,921).
- Zasada, I. and **L. M. Dandurand**. Cropping systems for control of PCN. USDA-ARS NACA. October 1, 2020 – September 30, 2021. (\$61,500)
- Dandurand, L. M.** and J. Kuhl. Identification of germplasm with resistance to potato cyst nematodes. USDA-APHIS Plant Protection Act. August 1, 2019 – June 30, 2020. (Total \$92,776; \$52,684).
- Dandurand, L. M.**, J. Kuhl, A. Caplan, F. Xiao, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2019 – July 31, 2020. (Total, \$60,000; \$17,666).
- Dandurand L. M.**, M. Morra, and I. Zasada. Natural products from *Solanum sisymbriifolium* to control plant parasitic nematodes. Northwest Potato Research Consortium. July 1, 2019 – July 31, 2020. (Total \$47,855; \$19,956).
- Gleason, C., and **L. M. Dandurand**. An investigation into the potential for broad spectrum resistance against plant parasitic nematodes in potato. Northwest Potato Research Consortium. July 1, 2019 – July 31, 2020. (Total \$30,000).
- Xiao, F., and **L. M. Dandurand**. Develop resistance to Pale Cyst Nematode (PCN) in potato via loss of susceptibility. ISDA-SCBG (IPC pass through). September 1, 2019 – August 31, 2020. (\$119,967; \$59,983).

- Dandurand L. M.,** J. Kuhl, A. Caplan, and F. Xiao. Immunity to potato cyst nematodes. USDA-APHIS 10007 Funds. August 1, 2018 – July 31, 2019. (Total \$320,000; \$160,000).
- Dandurand L. M.,** P. Hutchinson, M. Morra, and M. Thornton. PCN eradication. USDA-APHIS 10007 Funds. September 1, 2018 – August 31, 2019. (Total \$350,000; \$188,000).
- Dandurand L. M.,** J. Kuhl, A. Caplan, F. Xiao, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2018 – July 31, 2019. (Total, \$88,290; \$24,522).
- Dandurand L. M.,** P. Hutchinson, M. Morra, and D. Navarre. Eradication strategies for *Globodera pallida*: Use of trap crops. Northwest Potato Research Consortium. July 1, 2018 – July 31, 2019. (Total \$23,602; \$10,688).
- Dandurand, L. M.,** M. Morra, J. Kuhl, A. Caplan, and F. Xiao. Controlling nematodes in potato production by identifying and purifying nematocidal toxins produced by *Solanum sisymbriifolium*. November 2018 – August 2020, ISDA-SCBG (IPC pass through). (Total \$123,648).
- Zasada, I., **Dandurand, L. M.,** and J. Kuhl. Assessing risk of *Globodera* spp. to U.S. potato production by defining global diversity. September 15, 2018 – August 14, 2019. USDA-ARS. (Total \$92,776; \$52,684).
- Zasada, I. and **Dandurand, L. M.** Potato cyst nematode genetic diversity. September 15, 2018, September 30, 2019. USDA-ARS. (Total \$49,799; \$19,225).
- Wang, X. and **L. M. Dandurand.** Identifying novel potato germplasm with resistance against cyst nematodes and *Dickeya* pathogens. USDA-ARS NACA. September 1, 2018- August 31, 2021. (\$7,000).
- Dandurand L. M.,** J. Kuhl, A. Caplan, F. Xiao, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2017 – July 31, 2018. (Total, \$87,465; \$23,689).
- Dandurand L. M.,** P. Hutchinson, M. Morra, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*: Use of trap crops. Northwest Potato Research Consortium. July 1, 2017 – July 31, 2018. (Total \$46,388; \$13,365).
- Dandurand L. M.,** J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada, and X. Wang. Immunity to potato cyst nematodes. USDA-APHIS 10007 Funds. August 1, 2017 – July 31, 2018. (Total \$500,000; \$200,000).
- Dandurand L. M.,** P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS 10007 Funds. September 1, 2017 – August 31, 2018. (Total \$475,000; \$221,000).
- Dandurand L. M.,** M. Morra, J. Lamondia, P. Hutchinson, and C. McIntosh. Pyramiding biofumigants and trap crops for eradication of *Globodera pallida*. USDA-NIFA Methyl Bromide Transition Program. 2017 – 2020 (Total \$499,999; \$267,357).
- Morra, M, and **L. M. Dandurand.** Natural compounds as potato sprout inhibitors and nematocides. ISDA-SCBGP (IPC pass through). 2017 – 2019. (Total \$116,464; \$58,232).
- Navarre, D., and **L. M. Dandurand.** Developing ways to utilize hatching factors for PCN mitigation. USDA-APHIS 10007 Funds. October 1, 2017 – September 30, 2018. (Total \$119,565, \$48,625).

- Dandurand L. M.**, M. Morra, and D. Navarre. Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2017 – September 30, 2018. (Total \$63,000; \$29,497).
- Kuhl J., R. Tripepi, and **L. M. Dandurand**. PCN eradication: Sterile litchi tomato. USDA-APHIS 10007 funds. 2017. August 1, 2017 – July 31, 2018. (Total \$60,000; \$6,000).
- Dandurand L. M.**, J. Kuhl, A. Caplan, F. Xiao, C. Brown, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2016 – July 31, 2017. (Total, \$61,290; \$17,760).
- Dandurand L. M.**, P. Hutchinson, M. Morra, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*: Use of trap crops. Northwest Potato Research Consortium. 2016. July 1, 2016 – July 31, 2017. (Total \$100,005; \$25,265).
- Dandurand L. M.**, J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada, and X. Wang. Immunity to potato cyst nematodes. USDA-APHIS 10007 Funds, August 1, 2016 – July 30, 2017. (Total \$500,000; \$190,000).
- Dandurand L. M.**, P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS 10007 Funds. September 1, 2016 – August 31, 2017. (Total \$489,728; \$249,783).
- Dandurand L. M.**, M. Morra, and C. Brown. Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2016 – September 30, 2017. (Total \$63,000; \$29,497).
- Kuhl, J., R. Tripepi, and **L. M. Dandurand**. PCN eradication: Sterile litchi tomato. USDA-APHIS 10007 funds. August 1, 2016 – July 31, 2016. (Total \$60,000; \$6,000).
- Wang, X., W. De Jong, **L. M. Dandurand**, and I. Zasada. Exploration of wild potato species for use in the development of broad spectrum resistance in potato against potato cyst nematodes. Specific Cooperative agreement, USDA-ARS. July 1, 2016 – December 31, 2017. (Total \$93,800; \$12,610).
- Xiao, F., and **L. M. Dandurand**. Identify Pale cyst nematode effectors to develop PCN resistance in potato. ISDA-SCBG (Idaho Potato Commission pass though). October 21, 2016 – September 30, 2018. 2016-2018 (Total \$109,316; \$54,658).
- Dandurand L. M.**, J. Kuhl, A. Caplan, F. Xiao, C. Brown, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2015 – July 31, 2016. (Total \$64,993, \$19,680).
- Dandurand L. M.**, P. Hutchinson, M. Morra, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*: Use of trap crops. Northwest Potato Research Consortium. 2015. July 1, 2015 – July 31, 2016. (Total \$100,693; \$27,368).
- Dandurand L. M.**, J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada, X. Wang, and R. Novy. Immunity to potato cyst nematodes. USDA-APHIS 10007 Funds. August 1, 2015 – July 31, 2016. (Total \$321,325; \$76,861).
- Dandurand L. M.**, P. Hutchinson, M. Morra, G. R. Knudsen, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS 10007 Funds. 2015. September 1, 2015 – August 31, 2016. (Total \$379,363; \$250,000).

- Dandurand L. M.**, G. Knudsen, B. Bryan, V. Block, W. De Jong, D. Denver, P. Hutchinson, E. Grenier, J. Jones, J. Kuhl, B. Mimee, R. Novy, M. Thornton, X. Wang, J. Whitworth, and I. Zasada. Risk assessment and eradication of *Globodera* spp. in U.S. potato production. USDA-NIFA, June 15, 2015 – June 14, 2021. (Total \$3.1 million; \$1,250,127).
- Dandurand L. M.**, G. Knudsen, M. Morra, and C. Brown. Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2015 – September 30, 2017. (Total \$68,000; \$28,947).
- Kuhl, J., R. Tripepi, and **L. M. Dandurand**. PCN eradication: Sterile litchi tomato. USDA-APHIS 10007 funds. August 1, 2015 – July 31, 2016. (Total \$60,000; \$6,000).
- Kuhl, J., R. Novy, J. Whitworth, and **L. M. Dandurand**. Development of pale cyst nematode resistance in russet-skinned potato lines suitable for Idaho and the Pacific Northwest. ISDA-SCBG (IPC pass-through). July 1, 2015 – September 30, 2017. (Total \$125,000; \$40,000).
- Navarre, D., and **L. M. Dandurand**. PCN eradication: Hatching factor. USDA-ARS. October 1, 2017 – September 30, 2018. (\$71,903).
- Wang, X., W. De Jong, I. Zasada, and **L. M. Dandurand**. Exploration of wild potato species for use in the development of broad-spectrum resistance in potato against potato cyst nematodes. USDA-ARS. July 1, 2015 – December 31, 2017. (Total \$93,800; \$12,623).
- Zasada, I., and **L. M. Dandurand**. Use of trap crops and other strategies for eradication of *Globodera* spp. Specific Cooperative Agreement, USDA-ARS. September 1, 2015 – March 31, 2018. (Total \$18,998).
- Dandurand, L. M.**, J. Kuhl, F. Xiao, A. Caplan, I. Zasada, and C. Brown. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium. July 1, 2014 – June 30, 2015. (Total \$78,930; \$19,680).
- Dandurand, L. M.**, I. Zasada, and D. Navarre. PCN eradication: Use of hatching factors. Northwest Potato Research Consortium. July 1, 2014 – June 30, 2015. (Total \$35,100; \$33,100).
- Dandurand, L.M.**, P. Hutchinson, C. Brown, I. Zasada. PCN eradication: Use of trap crops. Northwest Potato Research Consortium July 1, 2014 – June 30, 2015. (Total \$117,460; \$35,100).
- Dandurand, L.M.**, G. R. Knudsen, and C. Brown. Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2014 – September 30, 2017. (Total \$68,000; \$28,947).
- Delparte, D., **L. M. Dandurand**, N. Glenn, and D. Wadsworth. Addressing threats to potato crop using precision agriculture. USDA-NIFA, April 1, 2014 – March 31, 2017. (Total \$150,000; \$48,588).
- Dandurand, L. M.**, P. Hutchinson, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS Farm Bill. September 1, 2014 – August 31, 2015. (Total \$307,237; \$166,194).
- Dandurand, L. M.**, J. Kuhl, A. Caplan, F. Xiao, I. Zasada, C. Brown, and X. Wang. PCN immunity. USDA-APHIS Farm Bill. August 1, 2014 – July 31, 2015. (Total \$470,306; \$187,799).
- Kuhl, J., R. Tripepi, **L. M. Dandurand**, and C. Brown. Sterile Litchi Tomato - PCN eradication. USDA-APHIS Farm Bill. August 1, 2014 – July 31, 2015. (Total \$50,000, \$9,519).
- Wang, X., W. De Jong, I. Zasada, and **L. M. Dandurand**. Exploration of wild potato species for use in the development of broad-spectrum resistance in

- potato against potato cyst nematodes. USDA-ARS. July 1, 2014 – December 31, 2017. (Total \$93,800; \$13,619).
- Dandurand, L. M.** Control of PCN using *Pasteuria* spp. Syngenta. Research Service Agreement. May 1, 2014 – May 15, 2015. (Total \$17,322).
- Dandurand, L. M., J. Kuhl, A. Caplan, and F. Xiao.** PCN immunity in sticky nightshade. Idaho Potato Commission. July 1, 2013 – June 30, 2014. (Total \$26,797; \$8,094).
- Dandurand, L. M., M. Morra, G. Knudsen, and J. Kuhl.** PCN eradication strategies. Idaho Potato Commission. July 1, 2013 – June 30, 2014. (Total \$55,000; \$40,390).
- Kuhl, J., R. Tripepi, **L. M. Dandurand**, and C. Brown. Seedless sticky nightshade. Idaho Potato Commission. July 1, 2013 – June 30, 2013. (\$8,094).
- Dandurand, L. M., J. LaMondia, G. Knudsen, A. Caplan, P. Hutchinson, and P. Patterson.** Trap crops and biological control agents as alternatives to methyl bromide for the control of *Globodera pallida*. USDA-NIFA. September 1, 2013 – August 16, 2016. (Total \$458,000; \$341,871).
- Dandurand, L. M., G. Knudsen, and C. Brown.** Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2013 – September 30, 2017. (Total \$58,000; \$28,947).
- Dandurand, L. M.** Plant pathology teaching in Haiti. APS Office of International Programs. 2013. (Total \$3,800).
- Dandurand, L. M., J. Kuhl, F. Xiao, A. Caplan, and C. Brown.** Sticky nightshade immunity. USDA-APHIS Farm Bill. August 1, 2013 – July 31, 2014. (Total \$210,000; \$136,735).
- Dandurand, L. M., C. Brown, R. Ingham, I. Zasada, M. Morra, G. Knudsen, J. Kuhl, and R. Navarre.** PCN eradication strategies. USDA-APHIS Farm Bill. September 1, 2013 – August 31, 2014. (Total \$209,247; \$121,108).
- Wang, X., I. Zasada, and **L. M. Dandurand**. Development of durable resistance in potato for effective control of *Globodera* spp. USDA-APHIS 10201. July 1, 2013 – June 30, 2014. (\$73,000; \$13,000).
- Dandurand, L. M., M. Morra, G. Knudsen, and J. Kuhl.** PCN eradication strategies. Idaho Potato Commission. July 1, 2012 – June 30, 2013. (Total \$50,000; \$40,390).
- Dandurand, L. M., G. Knudsen, and C. Brown.** Novel eradication strategies for potato cyst nematodes. USDA-ARS. October 1, 2012 – September 30, 2013. (Total \$58,000; \$28,947).
- Knudsen, G., and **L. M. Dandurand**. Novel control strategy for pale cyst nematode, lesion nematode and fungal pathogens of potato. ISDA-SCBGP (IPC pass through). December 15, 2012 – December 14, 2014. (Total \$100,875).
- Dandurand, L. M., M. Morra, G. Knudsen, and J. Kuhl.** PCN eradication strategies. USDA-APHIS Farm Bill. March 29, 2012 – December 31, 2012. (Total \$84,681; \$53,431).
- Zemetra, R., and **L. M. Dandurand**. Potato cyst nematode, Idaho. USDA-NIFA. August 1, 2010 – July 30, 2012. (Total \$248,000; Continuation \$125,000).
- Zemetra, R., and **L. M. Dandurand**. Potato cyst nematode. USDA-NIFA. September 15, 2007 – September 23, 2012 (Total \$126,618; Continuation \$85,000).

Kuhl, J., and **L. M. Dandurand**. Resistance for PCN. USDA-ARS. 2012 (Total \$15,000, \$7,500).

Dandurand, L. M., and D. Navarre. Pale cyst nematode hatching. USDA-ARS-SCA November 1, 2011 – October 31, 2016. (Total \$147,866).

Pending:

Prior Funding (1993-2002) Total \$798,130

Knudsen, G., and **L. M. Dandurand**. Effect of trophic complexity on apparent fitness of a recombinant fungus in soil. USDA Biotechnology Risk Assessment Program. 2002. (\$140,000).

Knudsen, G., **L. M. Dandurand**, and M. Morra. Enhancing establishment and proliferation of fungal soil inocula. USDA NRICGP. 2001. (\$181,086).

Knudsen, G. R., **Dandurand, L. M.**, and M. Morra. Combination of a biocontrol agent and *Brassica* tissues against nursery pathogens. USDA Methyl Bromide Alternatives Program. 2001 (\$166,447).

Guy, S., N. Bosque-Perez, S. Eigenbrode, J. Johnson-Maynard, and **L. M. Dandurand**. Assessing the impact of no-till and conventional-till on crop, variety, soil, insect, and disease responses. 2001. STEEP. (\$80,000).

Eberlein, C., and **L. M. Dandurand**. Integrated weed management systems for potatoes. Idaho Potato Commission. 1997. (\$46,687).

Knudsen, G. R., and **L. M. Dandurand**. integrated management of potato late blight in Idaho: Forecasting. Idaho Potato Commission. 1997. (\$5,000).

Knudsen, G. R., and **L. M. Dandurand**. Spatial dynamics of soil and rhizosphere bacterial populations: Effects on plasmid transfer events. USDA-NRICGP. 1997. (\$80,000).

Dandurand, L.M., and C. Eberlein. Integrated weed management systems for potatoes. Idaho Potato Commission. 1996. (\$4,000).

Dandurand, L.M. Spatial dynamics of rhizoplane microbes in biological control systems. USDA-NRICGP. 1995. (\$120,000).

Knudsen, G. R., **L. M. Dandurand**, M. Morra, and S. Guy. Determinants of compatibility and efficacy of biocontrol agents against pea root pathogens. Cool Season Food Legume program, USDA-CSRS. 1993. (\$31,810).

Knudsen, G. R., and **L. M. Dandurand**. Model for dispersal and epiphytic survival of bacteria applied to crop foliage. USDA Biotechnology Risk Assessment. 1993. (\$106,000).

Honors and Awards:

Dissertation Research Award, University of California, Riverside, CA, 1990
Women and Minorities Fellowship, University of California, 1986-1987, 1988-1989

Graduate Council Fellowship, University of California, Riverside, 1987-1988

Myron M. Winslow Scholarship in Agriculture, University of California, Riverside, 1986 Pre-doctoral Award, University of Connecticut, 1985

SERVICE (since 2011):

Major Committee Assignments:

Third year review committee for Dr. I. Popova, SWS Department (2022)
Budget Committee, University of Idaho (2019-2022)
Academic Program Prioritization Committee, University of Idaho (2019-2020)
Arts Committee, University of Idaho (2017-2020)
Borah Committee, University of Idaho (2015-2017)
EPPN Department Head Search Committee (2017)
CALs Metric Based Budget Committee (2017)
USDA-APHIS PCN Technical Advisory Committee (ad hoc committee)

Professional and Scholarly Organizations:

Cobb Foundation, Treasurer (2018-2021)
Association of Applied Biologists, member (2015-2020)
Society of Nematologists (SON), member (2012-current)
SON Regulatory Committee, member (2021-current)
SON Biocontrol Committee, member (2012-2017); chair (2015 – 2017)
American Phytopathological Society, member 1990-2001; 2011- current
 APS International Committee, member 2011-2014
 APS Nematology Committee, member 2011-2014
Potato Association of America, member 2017 to current
Organization for Tropical Nematologists, member, 2015 to current
Gamma Sigma Delta, the Honor Society of Agriculture, member (1985)

Journal and Other Reviews:

Journal of Nematology
Plant Disease
Scientia Horticulturae
American Journal of Potato Research
Hatch Project
Nematopica (EIC)
Phytopathology
Plos One

Outreach service:**Popular press:**

Dandurand, L. M. 2022. Minimizing invasive plant-parasitic nematodes through phytosanitary measures. *Potato Progress*. Volume 22 (1).
Hickman, P. and **L. M. Dandurand. 2022. Know your nematodes: major nematodes impacting potatoes and their control strategies. *Potato Country*. November.
Caplan, A. F. Xiao, J. Kuhl, and **L. M. Dandurand**. 2020. Charting a new future for potato cyst nematode control. *Spudman*. (November/December): 38-42.
Dandurand, L. M. 2019. Setting the trap: Trap crop control of the pale cyst nematode, *Globodera pallida*. *Potato Grower Magazine*. Volume 48(1): p 76-77.
Dandurand, L. M. and M. J. Morra. 2018. Novel mustard meal extract for control of the potato cyst nematode, *Globodera pallida*. *Potato Progress*. Volume XVIII (14).

- Dandurand, L. M.** 2017. Keeping it clean: Phytosanitary measures to minimize invasive nematodes. *Potato Grower*. 46:26-29.
- Dandurand, L. M.**, P.J. Hutchinson, M. Thornton, and C. Brown. 2016. Litchi Tomato: Trap Crop for *Globodera pallida* control. *Potato Progress Research & Extension for the Potato Industry of Idaho, Oregon, & Washington*. 16:1-6.
- Dandurand, L.M.**, M. Morra, and I. Zasada. 2016. Pale Cyst Nematode Eradication Research. *Potato Progress Research & Extension for the Potato Industry of Idaho, Oregon, & Washington*. 16:1-4.
- Dandurand, L. M.**, and G.R. Knudsen. 2014. Soil health after fumigation. *Potato Progress* 14:2-4.
- Dandurand, L. M.**, and J. A. Menge. 1990. Minor pathogens of citrus roots. *Citrus Grower*.

Newsletters (editor, or authored):

- Dandurand, et al., Systems approach to nematode control in US potato. PAPAS website: potatonematodes.org.
- **Contina, J. B., and **L. M. Dandurand**. Risk and landscape ecology of the pale cyst nematode in Idaho. *Globodera Alliance Newsletter*, Issue 8. Oct. 2019.
<https://www.globodera.org/sites/default/files/newsletters/GLOBAL%20Issue%208%20FINAL%2010.18.19.pdf>
- Zasada, I., and **L. M. Dandurand**. 2018. PCN by the numbers. *Globodera Alliance Newsletter*, Issue 7.
https://www.globodera.org/sites/default/files/newsletters/Issue%207%20Globodera%20Alliance%20Newsletter%20Dec%202018_0.pdf
- De Jong, W. 2018. Using molecular markers to identify potato varieties resistant to potato cyst nematodes. *Globodera Alliance Newsletter*, Issue 6.
<https://www.globodera.org/sites/default/files/newsletters/Issue%206%20Globodera%20Alliance%20Newsletter%20FINAL%20071018%20B.pdf>
- Jones, J. 2017. The fascinating biology of potato cyst nematodes. *Globodera Alliance Newsletter*, Issue 5.
<https://www.globodera.org/sites/default/files/newsletters/Issue%205%20Globodera%20Alliance%20Issue%205%20Nov%202017.pdf>
- Grenier, E., and B. Mimee. 2017. Potato cyst nematodes around the world: All you wanted to know about their distribution and evolution history. *Globodera Alliance Newsletter*, Issue 4.
<https://www.globodera.org/sites/default/files/newsletters/Issue%204%20Globodera%20Alliance%20Newsletter%20Sept%202017.pdf>
- Whitworth, J., R. Novy, W. De Jong, J. Kuhl, **L. M. Dandurand**, I. Zasada, and X. Wang. 2017. Developing potato varieties with resistance to potato cyst nematodes. *Globodera Alliance Newsletter*, Issue 3.
<https://www.globodera.org/sites/default/files/newsletters/Issue%203%20Glo%20boderal%20Alliance%20Newsletter%20FINAL%2006.29.17.pdf>
- Dandurand, L. M.** 2017. Phytosanitary measures to minimize invasive nematodes. *Globodera Alliance Newsletter*, Issue 2.
<https://www.globodera.org/sites/default/files/newsletters/GLOBAL%20Newsletter%20Issue%202e.pdf>
- Knudsen, G. R., and **L.M. Dandurand**. 2015. Welcome to GLOBAL's newsletter. *Globodera Alliance Newsletter*, Issue 1.

https://www.globodera.org/sites/default/files/newsletters/GLOBAL_newsletter_is_sue1_nov2015.pdf

Presentations:

- Dandurand, L.M. Potato Nematodes. University of Idaho Research and Extension Potato Conference. January 2023.
- Dandurand, L.M. PCN Research Update: Use of resistance for controlling PCN. University of Idaho Research and Extension Potato Conference. January 2023.
- Dandurand, L.M. PCN Research Overview, Field trials, PAPAS. APHIS Annual Research Update Meeting. February 17, 2023.
- Dandurand, L. M., J. Kuhl, C. Gleason, W. DeJong, I. Zasada. Systems approach to controlling nematodes in US potato production. Potato Expo. Anaheim CA, January 2023.
- **Hickman, P. & Dandurand, L.M. (Nov 2023). Sustainable control of potato cyst nematode in Idaho: trap crops and crop rotation. Idaho Association of Plant Protection Annual Meeting, Rupert, ID.
- **Hickman, P. & Dandurand, L. M. (Jun 27, 2023). Trap crops and crop rotation for eradication of potato cyst nematode in Idaho. Poster. 2023 University of Idaho Snake River Weed Management Tour and Field Day, Aberdeen Research and Extension Center, Aberdeen, ID.
- Dandurand, L. M., J. Kuhl, C. Gleason, M. Quintanilla, I. Zasada. Systems approach to controlling nematodes in US potato production. Potato Expo. Anaheim CA, January 2022.
- Dandurand, L. M. Crop rotation for potato cyst nematode control. Annual University of Idaho Extension and Research Potato Conference. Pocatello, ID. January 2022.
- Dandurand, L.M. Research update: PCN research overview. APHIS Research update. March 2022.
- Dandurand, L. M. and I. Popova. Research update. Natural Products overview. APHIS Research update. March 2022.
- Dandurand, L. M. Research update. Field Research Trials. APHIS Research update. March 2022.
- Dandurand, L. M., J. Kuhl, A. Caplan, F. Xiao. Immunity to *Globodera pallida*: plant defenses in litchi tomato. NPRC Research update, Boise ID. February 2022.
- Dandurand, L. M., J. Kuhl, A. Caplan, F. Xiao, J. Whitworth, R. Novy. *Globodera pallida*: Using plant-pest interactions to build resistance. Annual University of Idaho Extension and Research Potato Conference. (Zoom presentation). January 2021.
- Dandurand, L.M. Research update: PCN research overview. APHIS Research update. February 2021.
- Dandurand, L.M. Research update: PCN control with biofumigants. APHIS Research update. February 2021.
- Dandurand, L.M. Research update: PCN control with trap crops. APHIS Research update. February 2021.
- Dandurand, L.M. Research update: Plant defenses from litchi tomato. APHIS Research update. February 2021.

- Dandurand, L. M. Research update. Northwest Potato Research Meeting, Boise, ID. February 2021.
- Dandurand, L. M. The pale cyst nematode in Idaho: regulation and control. CALS. Moscow ID, April 15, 2021.
- Dandurand, L. M. Status of PCN in Idaho. Meeting with Idaho Potato Commission. May 2021.
- **Bhatta, B.** and L. M. Dandurand. *Globodera pallida* control using Brassica juncea seed meal extract and the trap crop *Solanum sisymbriifolium*. Idaho Association for Plant Protection. Jerome, ID. November 2021.
- Dandurand, L. M. PCN research: Introduction and *Globodera* Alliance update. APHIS Research Review and Updates. Pocatello, ID. January 2020.
- Dandurand, L. M. PCN research: Biofumigants for control of PCN. APHIS Research Review and Updates. Pocatello, ID. January 2020.
- Dandurand, L. M. PCN research: Litchi tomato and other trap crops. APHIS Research Review and Updates. Pocatello, ID. January 2020.
- Dandurand, L. M., F. Xiao, J. Kuhl, A. Caplan, I. Zasada. PCN research: PCN Immunity. APHIS Research Review and Updates. Pocatello, ID. January 2020.
- Dandurand, L. M. PCN research: New Directions. APHIS Research Review and Updates. Pocatello, ID. January 2020.
- Dandurand, L. M. Research update. Northwest Potato Research Meeting, Boise, ID. January 2020.
- Dandurand, L. M. PCN control: progress and new directions. Meeting with growers and Idaho Potato Commission, Idaho Falls, ID. January 2020.
- Dandurand, L. M. Potato cyst nematode update. 52nd Annual Idaho Potato Conference, Pocatello, ID. January 2020.
- Dandurand, L. M. *Globodera pallida* in Idaho: Successes and challenges. Annual University of Idaho Extension and Research Potato Conference. Pocatello, ID. January 2020.
- Dandurand, L. M., J. Kuhl, C. Gleason, M. Quintanilla, I. Zasada. Systems approach to controlling nematodes in US potato production. Potato Research Advisory Committee (Potatoes USA). Zoom meeting. August 2020.
- **Hickman, P.**, and L. M. Dandurand. Investigating trap crops for control of *Globodera pallida*, the pale cyst nematode. Idaho Association of Plant Protection Annual Meeting 9 (online). November. 5, 2020.
- *Kud, J.**, L. M. Dandurand, F. Xiao, J. Kuhl, and A. Caplan. Putting plant defenses to work to control PCN: Development of Resistance. Idaho Association of Plant Protection Annual Meeting (online). November 5, 2020.
- *Pillai, S. S.**, and L. M. Dandurand. Controlling PCN through use of natural plant products. Idaho Association of Plant Protection Annual Meeting (online). November 5, 2020.
- Dandurand, L. M. *Globodera pallida* in Idaho: Risk and impact in Idaho. Annual University of Idaho Extension and Research Potato Conference. Pocatello, ID. January 2019.
- Dandurand, L. M. Impact of pale cyst nematode for producers. IPC and owners of PCN infested fields. Idaho Falls, ID. February 2019.

- Dandurand, L. M., A. Caplan, J. Kuhl, F. Xiao, J. Kud, N. Solo. Immunity to potato cyst nematodes. USDA-APHIS Research Update. University of Idaho, Moscow, ID. March 2019. (each listed presented).
- Dandurand, L. M. Risk assessment and eradication of *Globodera* spp. in U.S. potato. *Globodera* Alliance Research Update for USDA-APHIS. University of Idaho, Moscow, ID. March 2019.
- Dandurand, L. M., P. Hutchinson, M. Morra, and I Popova. PCN eradication: Biofumigants and trap crops. USDA-APHIS 10007 Research Update. University of Idaho, Moscow, ID. March 2019. (each person listed presented).
- Dandurand, L. M. Risk assessment and risk management. GLOBAL Project, Principal Investigators Meeting, Moscow, ID. October 2019.
- Dandurand, L. M., V. Blok, W. DeJong, D. Denver, E. Grenier, P. Hutchinson, J. Jones, J. Kuhl, C. McIntosh, B. Mimee, R. Novy, M. Thornton, X. Wang, J. Whitworth, and I. Zasada. Risk assessment and eradication of *Globodera* spp. in U.S. potato production. USDA- NIFA Annual Research Review with Advisory committee for the *Globodera* Alliance Project. University of Idaho, Moscow, Idaho. October 2019.
- Dandurand, L.M. The ‘Pallida’ problem. Annual University of Idaho Extension and Research Potato Conference. Pocatello, ID. January 2018.
- Dandurand, L. M., I. Zasada, and M. Morra. Biofumigants for PCN control. University of Idaho Extension and Research Potato Conference, Pocatello, ID. January 17-18, 2018.
- Dandurand, L. M. PCN research: Introduction and overview. USDA-APHIS PCN Annual Research Review, Pocatello, ID. January 18, 2018.
- Dandurand, L. M., J. Kuhl, P. Hutchinson, and I. Zasada. GLOBAL project update. USDA-APHIS PCN Annual Research Review. Pocatello, ID. January 18, 2018.
- Dandurand, L. M., Non-chemical eradication options. USDA-APHIS PCN Annual Research Review, Pocatello, ID. January 18, 2018.
- **Contina, J. B., and L. M. Dandurand. A spatial analysis and impact of *Globodera pallida* in Idaho. USDA-APHIS PCN Annual Research Review, Pocatello, ID. January 18, 2018.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, I. Zasada, and X. Wang. Immunity to potato cyst nematodes. USDA-APHIS 10007 PCN Annual Research Review. Pocatello, Idaho. January 2018.
- Dandurand, L. M., V. Blok, W. DeJong, D. Denver, E. Grenier, P. Hutchinson, J. Jones, J. Kuhl, C. McIntosh, B. Mimee, R. Novy, M. Thornton, X. Wang, J. Whitworth, and I. Zasada. Risk assessment and eradication of *Globodera* spp. in U.S. potato. USDA-NIFA Annual Research Review. Cornell University, Ithaca, NY. March 2018.
- Dandurand, L. M. PCN Research Update. Meeting with growers and owners of PCN infested fields and IPC. Idaho Falls, ID. January 16, 2018.
- Dandurand, L. M. Overview of GLOBAL Project activities. Joint Golden Nematode Workgroup Meeting and GLOBAL Project Annual Meeting, Ithaca, NY. March 6-7, 2018.
- Dandurand, L. M. Control of *G. pallida* in Idaho. Joint Golden Nematode Workgroup Meeting and GLOBAL Project Annual Meeting, Ithaca, NY. March 6-7, 2018.

- **Contina, J. B., and L. M. Dandurand.** A spatial analysis and impact of *Globodera pallida* in Idaho. GLOBAL Advisory Committee Meeting, Ithaca, NY. March 7, 2018.
- Dandurand, L.M.** Update on GLOBAL Project Activities. GLOBAL Advisory Committee Meeting, Ithaca, NY, March 7, 2018.
- **Contina, J. B., and L. M. Dandurand.** A spatial analysis and impact of *Globodera pallida* in Idaho. GLOBAL Advisory Committee Meeting, Ithaca, NY. March 7, 2018.
- Dandurand, L. M.** Foraging for edible mushrooms, Orofino, ID. April 25, 2018
- Dandurand, L. M.** Non-chemical alternatives for PCN eradication. ISDA PCN Advisory Board. Idaho Falls, ID. March 7, 2017.
- Dandurand, L. M.** GLOBAL Project update: Development of PCN resistant cultivars. ISDA PCN Advisory Board, Idaho Falls, ID. March 7, 2017.
- Dandurand, L. M.** *Globodera pallida*: Global importance. Stakeholder meeting; USDA-APHIS, IPC, and owners of infested fields, Idaho Falls, ID. March 6, 2017.
- Dandurand, L. M.** Non-chemical alternatives for PCN eradication, use of litchi tomato. Stakeholder meeting: USDA-APHIS, IPC, and owners of infested fields, Idaho Falls, ID. March 6, 2017.
- Dandurand, L. M.** Non-chemical alternatives for PCN eradication: use of biofumigants. Stakeholder meeting: USDA-APHIS, IPC, and owners of infested fields, Idaho Falls, ID. March 6, 2017.
- Dandurand, L. M.** Non-chemical alternatives for PCN eradication: use of trap crops. Stakeholder meeting; IPC and owners of PCN infested fields, Idaho Falls, ID. January 20, 2017.
- Dandurand, L. M.** Strategies for eradicating PCN: Use of biofumigants, resistance, and biological control agents. Stakeholder meeting: IPC and owners of PCN infested fields, Idaho Falls, ID. January 20, 2017.
- Dandurand, L. M.** GLOBAL Project update. USDA-APHIS PCN annual research meeting, Pocatello, ID. January 19, 2017.
- Dandurand L.M., Kuhl J., Caplan A., Xiao F., Brown C, Zasada I., and Wang X.** Immunity to potato cyst nematodes. USDA-APHIS 10007 PCN Annual Research Review. Pocatello, ID. January 2017.
- Dandurand L.M., P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada.** PCN eradication. USDA-APHIS PCN Annual Research Review. Pocatello, ID. January 2017.
- Dandurand, L. M.** Pale cyst nematode, implications for the potato industry. PCN workshop. University of Idaho Research and Extension Potato Conference, Pocatello, ID. January 18, 2017.
(<https://www.youtube.com/watch?v=HwDOJeYrQ60&t=464s>)
- Dandurand, L. M.** Update on GLOBAL activities. GLOBAL Advisory Committee Meeting, Pocatello, ID. January 17, 2017.
- Dandurand, L. M.** Genomic Approaches to Risk Assessment of *Globodera*. GLOBAL Advisory Committee Meeting, Pocatello, ID. January 17, 2017.
- Dandurand, L. M., V. Blok, W. DeJong, D. Denver, E. Grenier, B. Mimee, X. Wang, J. Whitworth, and I. Zasada.** Risk assessment and eradication of *Globodera* spp. in U.S. potato. USDA-NIFA Annual Globodera Alliance Nematology Team: Research Review. SON Annual Meeting, Williamsburg, VA. August 2017.

- Dandurand, L. M., V. Blok, W. DeJong, D. Denver, E. Grenier, B. Mimee, X. Wang, J. Whitworth, and I. Zasada. Risk assessment and eradication of *Globodera* spp. in U.S. potato. USDA-NIFA. *Globodera* Alliance, Annual Nematology Team Research Review. SON Annual Meeting, Montreal, Canada. July 2016.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada., and X. Wang. Immunity to potato cyst nematodes. USDA-APHIS Annual PCN Research Review. Pocatello, ID. January 2016.
- Dandurand L.M., P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS PCN Annual Research Review. Pocatello, ID. January 2016.
- Dandurand, L. M., V. Blok, W. DeJong, D. Denver, E. Grenier, P. Hutchinson, G. Knudsen, J. Kuhl, B. Mimee, C. McIntosh, R. Novy, M. Thornton, X. Wang, J. Whitworth, and I. Zasada. Risk assessment and eradication of *Globodera* spp. in U.S. potato. USDA-NIFA *Globodera* Alliance 1st Annual Research Review. Jackson, Wyoming and Pocatello, Idaho. January 2016.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada, and X. Wang. Immunity to potato cyst nematodes. USDA-APHIS PCN Annual Research Review. January 2015.
- Dandurand L. M., P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS PCN Annual Research Review. January 2015.
- Dandurand, L. M. Pale cyst nematode eradication: Use of litchi tomato. University of Idaho Potato Research and Extension Conference. Pocatello, ID. January 2015.
- Dandurand, L. M. Pale cyst nematode research at the University of Idaho. Presentation to Japanese Ministry of Agriculture, Forestry, and Fisheries and USDA-APHIS. Idaho Falls, ID. November 2015.
- Dandurand, L. M. Pale cyst nematode eradication strategies. University of Idaho Potato Research and Extension Conference. Pocatello, ID. January 2014.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, I. Zasada, and Wang X., Immunity to potato cyst nematodes. USDA-APHIS Annual PCN Research Review. January 2014.
- Dandurand L. M., P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS PCN Research Review. January 2014.
- Dandurand, L. M. Pale cyst nematode and its relatives: History and future prospects. University of Idaho Potato Research and Extension Conference, Pocatello, ID. January 22, 2014.
- Dandurand, L. M., and I. Zasada. Introducing the *Globodera* Alliance Coordinated Agricultural Project: Risk assessment and eradication of *Globodera* spp. in U.S. potato production. GLOBAL Advisory Committee Meeting, Boise, ID. December 2014.
- Dandurand, L. M. Pale cyst nematode eradication strategies. Annual University of Idaho Potato Conference, Pocatello, ID. January 2013.
- Dandurand, L. M., P. Hutchinson, M. Morra, M. Thornton, C. Brown, and I. Zasada. PCN eradication. USDA-APHIS PCN Research Review. March 2013.

- Dandurand, L. M., P. Hutchinson, M. Morra, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*: Use of trap crops. Northwest Potato Research Consortium, November 2013.
- Dandurand, L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Idaho Potato Commission. February 2013.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Northwest Potato Research Consortium Research Review. February 2013.
- Dandurand L. M., P. Hutchinson, M. Morra, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*: Use of trap crops. Idaho Potato Commission, February 2013.
- Dandurand L. M., J. Kuhl, A. Caplan, F. Xiao, C. Brown, and I. Zasada. Functional genomics of *Solanum sisymbriifolium* (litchi tomato) immunity for PCN eradication. Idaho Potato Commission. November 2012.
- Dandurand L. M., G. Knudsen, P. Hutchinson, C. Brown, I. Zasada, and R. Ingham. Eradication strategies for *Globodera pallida*. Idaho Potato Commission, November 2012.
- Dandurand, L. M. Pale cyst nematode research. Idaho Association of Plant Protection. Jerome, ID. November 2012.
- Dandurand L. M. University of Idaho Pale Cyst Nematode Research and Support. Idaho Potato Commission. November 2011.

Meetings, Workshops and Symposia (Organized and Chaired):

- Dandurand, L. M. PCN Research Update. University of Idaho Research and Extension Potato Conference. Pocatello, ID. January 17, 2019.
- Dandurand, L. M. Organized and chaired 5th year GLOBAL advisory committee and PI meeting. Moscow, ID. October 2019.
- Dandurand, L. M. and Brian Marschman. Organized and chaired. Annual APHIS research update meeting at the University of Idaho, Moscow. March 20, 2019.
- Dandurand, L. M. PCN Research Update. University of Idaho Research and Extension Potato Conference. Pocatello, ID. January 19, 2018
- Dandurand, L. M. and X. Wang. Joint meeting of the Golden Nematode working group and *Globodera* Alliance, Ithaca, NY. March 6, 2018.
- Dandurand, L. M. Potato Cyst Nematode Symposium, Annual Meeting of the Organization of Nematologists of Tropical America, Arequipa, Peru. August 20, 2018.
- Dandurand, L. M. PCN Research Update, 49th Annual University of Idaho Potato Conference, Pocatello, ID. January 18, 2017
- Dandurand, L. M. Organized and chaired 2nd year GLOBAL advisory committee and PI meeting. Pocatello, ID, January 2017.
- Dandurand, L. M. Organized and chaired 1st year GLOBAL advisory committee and PI meeting. Pocatello, ID, January 2016.

Dandurand, L. M. Worldwide Impact of Potato Cyst Nematode Symposium, 48th Annual University of Idaho Potato Conference, Pocatello, ID. January 18, 2016.

Dandurand, L. M. Potato Cyst Nematode Eradication and Control (ID, NY, Europe). 48th Annual University of Idaho Potato Conference, Pocatello, ID. January 19, 2016.

Dandurand, L. M. Pale cyst nematode eradication: Use of litchi tomato. PCN Workshop, Annual University of Idaho Research and Extension Potato Conference, Pocatello, ID. January 2015.

Dandurand, L. M. Pale Cyst Nematode Eradication Strategies. Workshop: PCN and Its Relatives: History and Future Prospects. Annual University of Idaho Potato Conference, Pocatello, ID. January 22, 2014.

Dandurand, L. M. Trap crop-related research at University of Idaho. University of Idaho Research and Extension Potato Conference, Pocatello, ID. January 2013.

Other:

Liaison for the University of Idaho PCN program with USDA-APHIS, ISDA, and the potato industry; includes representing UI efforts during annual USDA-APHIS PCN meetings, monthly conference calls, and other venues (e.g., newspaper articles, grower meetings).

Permit holder for *Globodera pallida* and other *Globodera* spp. Development and implementation of containment protocol for the quarantine pest, *G. pallida*; compliance with local, state, and federal regulation as well as University research policy concerning containment of PCN.

Community Service:

Plants that are toxic to horses. Workshop. Annual 4-H Horse Camp. Deary, ID. July 2015.

4-H Leader. Moscow Mustang 4-H club. 2012-16.

Plant Pathology in the Field (Haiti). Guest lecture. Lyon's Club, Moscow, ID. February 2014.

Paloma Institute (501c3 nonprofit), Co-founder, Treasurer, and Board member. 2010 - 2016. Chaired fundraising events: 2010, 2011, 2012, 2013.

Agronomy specialist training, LaGonave, Haiti. January 2010, January 2011.

PROFESSIONAL DEVELOPMENT:

Professional meetings attended (since 2011):

Society of Nematologist Annual Meeting. Anchorage, AK September 26-29, 2022.

Society of Nematologist Annual Meeting. Gulf State Park, AL September 12-15, 2021.

American Phytopathological Society Annual Meeting (online). August 10-14, 2020.

Methyl Bromide Alternative Outreach (online). November 3-5, 2020

Society of Nematologist Annual Meeting. Raleigh, NC. July 7-10, 2019.

5th Symposium on Potato Cyst Nematode Management. Harper Adams University, Newport, Shropshire, UK. September 10-11, 2019.

Bioinformatics Workshop attendee. Oregon State University, Corvallis, OR. March 2019.

Organization of Nematologists of the Tropical Americas. Annual Meeting. Arequipa, Peru. August 19-23, 2018.

Potato Association of America Annual Meeting, Boise ID. July 2018.

Society of Nematologist Annual Meeting, Williamsburg, VA. August 2017.

American Phytopathology Society Annual Meeting, Mayagüez, Puerto Rico. July 9-14, 2017.

European Society of Nematologists Annual Meeting. Braga, Portugal. August 28-September 1, 2016.

Society of Nematology and Organization of Nematologists of the Tropical Americas joint annual meeting, Montréal, Canada. July 17-21, 2016.

Organization of Nematologists of the Tropical Americas. Annual Meeting. Varadero, Cuba. May 17-22, 2015.

4th Symposium on Potato Cyst Nematode Management. Harper Adams University, Newport, Shropshire, UK. September 7-8, 2015.

Conference on Soil Borne Pathogens and California Nematology Workshop. San Rafael, CA. March 25-27, 2015.

Society of Nematologists annual meeting, Lansing, MI. July 19-24, 2015.

6th International Nematology Congress. Cape Town, South Africa. May 14-19, 2014.

American Phytopathological Society Caribbean Division Annual meeting, USVI. July 10, 2014.

American Phytopathological Society annual meeting, St. Paul, MI. August 9-13, 2014.

Northwest Scientific Association annual meeting, Missoula, MT. March 26-29, 2014.

American Phytopathological Society annual meeting, Austin, TX. August 10-14, 2013.

American Phytopathological Society annual meeting, Providence, RI. August 4-8, 2012.

American Phytopathological Society annual meeting, Honolulu, HI. August 6-10, 2011.