Daniel T. Dalton
Senior Faculty Research Assistant I
4017 Ag & Life Sciences Bldg.
Oregon State University
Corvallis OR 97331-3601
daniel.dalton@oregonstate.edu
541-737-3913

A. Education and Employment Information

Education

- 2009, MS Horticulture, Oregon State University, Corvallis
- 2005, BS Agroecology, Honors Program, University of Wyoming, Laramie

Employment since BS degree

Dates	Employer	Brief Description of Responsibilities
2015-present	Oregon State University Department of Horticulture	Senior Faculty Research Assistant for Horticultural Entomology Laboratory, devising and conducting detailed studies on the biology of serious pests of Oregon horticultural crops. Implement laboratory and field experimental protocols and document the effects of management actions on pest populations. Co-author and review scientific manuscripts.
2010-2015	Oregon State University Department of Horticulture	Faculty Research Assistant for Horticultural Entomology Laboratory, supporting Research, Extension and outreach programs for insect pests of economic significance. Carry out independent experimental design and implementation to improve understanding of biology and effects of pests on host crops, co-author and review scientific manuscripts.
2009-2010	Oregon State University Department of Horticulture	Temporary hourly worker to provide assistance with experimental protocols. Collaborated with research personnel to submit major grant proposal (accepted).
2006-2009	Oregon State University Department of Horticulture	Graduate Research Assistant at the USDA National Clonal Germplasm Repository. Published Master of Science thesis on fungal pathogens of black currants. Contributed to routine greenhouse maintenance and auxiliary research on other berry crops at host facility.
Summer 2006	University of Idaho	Forest Resources Technician conducted forest disease surveys.
2005-2006	University of Minnesota	Junior Laboratory Technician and Research Intern installed savanna restoration monitoring plots, worked on the prescribed fire burn team, conducted vegetation surveys and biodiversity management in long-term ecological research experiments.

B. Teaching, Advising and Other Assignments

1. Instructional Summary

Non-Credit Courses and Workshops

I have presented materials for various extension audiences, listed below:

- 2015 Red Blotch Virus and Vineyard Surveys for Potential Leafhopper Vectors (poster), Oregon Wine Research Institute, Corvallis, Oregon.
- 2014 Oregon State University Extension Workshop, SWD Winter Workshop, December 11, 2014, Aurora, Oregon
- 2014 Oregon State University Extension Workshop, A Warm-Up: Management Tools for SWD, Aurora, Oregon
- 2014 Oregon State University Extension Vineyard Scouting Workshop, Alpine, Oregon.
- 2014 Observations and Spread of Grapevine Viruses in Two Oregon Winegrape Regions (poster), Oregon Wine Research Institute, Corvallis, Oregon.
- 2014 Emerging Pests of the Walla Walla Valley, Blue Mountain Horticultural Society, Milton-Freewater, Oregon.
- 2014 Indigenous Spotted Wing Drosophila Biological Control Agents in Oregon, Western Orchard Pest and Disease Management Conference, Portland, Oregon.
- 2013 Seasonal Phenology and Trapping Survey of *P. maritimus* in Oregon Vineyards, Oregon Wine Research Institute, Corvallis, Oregon.
- 2013 Spotted Wing Drosophila in Wine Grapes, Oregon Wine Research Institute, Corvallis, Oregon.
- 2012 Year Two Update: Intensive Survey for *Pseudococcus maritimus* and Grape Leafroll-associated Virus (GLRaV) in Oregon Vineyards, Western Orchard Pest and Disease Management Conference, Portland, Oregon.
- 2012 Oregon State University Extension Vineyard Scouting Workshop, Milton-Freewater, Oregon
- 2011 Oregon Wine Grape Pests, outreach presentation sponsored by Helena Chemical, Grants Pass, Oregon.
- 2011 viticultural workshop at Oregon Wine Industry Symposium, Eugene, Oregon.
- 2011 *Drosophila suzukii* Survival Under Simulated Winter Conditions of the Pacific Northwest, Western Orchard Pest and Disease Management Conference, Portland, Oregon.
- 2010 Oregon State University Extension Vineyard Scouting Workshop, Corvallis, Oregon.
- 2010 Low Input Viticulture and Enology field day, Lafayette, Oregon.
- 2009 Segregation of the *Cr* Resistance Gene in *Ribes nigrum*, Western Orchard Pest and Disease Management Conference, Portland, Oregon.

Team or Collaborative Efforts
My primary role at the outset of my service as Faculty Research Technician was to coordinate a multi-region study of the grape mealybug, *Pseudococcus maritimus*, within the State of Oregon. My guidance toward fellow Extension colleagues in these regions was essential to provide cohesion to match the objectives of the funded research. These researchers continue to work closely with my host laboratory, as do collaborators in California and Washington with whom I have maintained positive cordial relations.

Currently, I am coordinating several projects in collaboration with researchers across the country. I am a primary contact and chief developer of methodology to investigate cultural controls of Spotted Wing Drosophila (*Drosophila suzukii*). I am also highly involved with pioneering investigations in Oregon of grapevine red blotch-associated virus, an emerging disease that is suspected of being vectored by insects.

I served as the Website Coordinator for the Oregon State University Spotted Wing Drosophila website from 2010-2014. In this capacity I worked closely with a large group of researchers investigating *D. suzukii*, and posted research updates or other relevant materials when requested and approved by my supervisor. Through my collaboration with this group of researchers, I was awarded the James and Mildred Oldfield/E.R. Jackman Team Award in 2013 along with 18 fellow scientists from Oregon State University.

As an employee in an active Extension-based laboratory, I have dedicated considerable collaborative effort in revising and producing Extension publications for growers. These documents are cross-institutional products, as I work closely with personnel from Oregon State University Extension offices, Washington State University, and the University of California. I am a co-author of two Extension publications, listed below. In addition to these efforts to which I have been a contributing author, I have provided revisions and input as an in-house editor for several additional Extension publications and manuscripts.

	Title	**# Collaborators**
EM 9092	Distribution and Monitoring of Grape Mealybug: A Key Vector of Grapevine Leafroll Disease in Oregon.	5 authors
PNW 644	Field Guide for Integrated Pest Management in Pacific Northwest Vineyards.	24 authors

C. Scholarship and Creative Activity

1. Publications

Refer to the summarized table of scholarship below and listed detailed descriptions of recent publications.

Accepted Publications from 2004-2015

Year Publication type	Pre-FRA	2010	2011	2012	2013	2014	2015	**Total**
1. Refereed (Journal)	1	2	1	0	3	2	6	**15**
2. Proceedings	0	0	0	0	0	0	1	**1**
3. Peer Reviewed	1	0	0	0	1	1	0	**3**
4. Newsletters	0	0	0	0	1	0	1	**2**
5. Conference Abstracts	6	1	5	1	6	12	6	**37**
Total	**8**	**3**	**6**	**1**	**11**	**15**	**14**	**58**

Refereed (Journal) Publications

1. Miller, Betsey, Gianfranco Anfora, Matt Buffington, Kent M. Daane, **Daniel T. Dalton**, Kim M. Hoelmer, Marco Valerio Rossi Stacconi, Alberto Grassi, Claudio Ioriatti, Augusto Loni, Jeffrey C. Miller, M'bark Ouantar, Xingeng Wang, Nik G. Wiman, and Vaughn M. Walton. 2015. Seasonal occurrence of resident parasitoids associated with *Drosophila suzukii* in two small fruit production regions of Italy and the USA. Bulletin of Insectology 68(2): 255-263. [*Role: field site establishment, parasitoid insect collections, laboratory data acquisition, manuscript revision.*]
2. Lee, Jana, **Daniel T. Dalton**, Katharine Swoboda-Bhattarai, Denny J. Bruck, Hannah J. Burrack, Bernadine Strik, J. Megan Woltz, and Vaughn M. Walton. 2015. Characterization and manipulation of fruit susceptibility to *Drosophila suzukii*. Journal of Pest Science, in press. DOI:10.1007/s10340-015-0692-9 (accepted 18 August 2015). [*Role: field data collection, manuscript revision.*]
3. Tochen, Samantha, J. Megan Woltz, **Daniel T. Dalton**, Jana Lee, Nik G. Wiman, and Vaughn M. Walton. 2015. Humidity affects populations of *Drosophila suzukii* (Diptera: Drosophilidae) in blueberry. Journal of Applied Entomology 140: 47-57. [*Role: data acquisition, manuscript revision, corresponding author.*]
4. Klick, Jimmy, Wei Q. Yang, Vaughn M. Walton, **Daniel T. Dalton**, James R. Hagler, Amy J. Dreves, Jana Lee, and Denny J. Bruck. 2015. Distribution and activity of *Drosophila suzukii* in cultivated raspberry and surrounding vegetation. Journal of Applied Entomology 140: 37-46. DOI:10.1111/jen.12234 [*Role: manuscript revision, spatial analysis statistics.*]
5. Rossi Stacconi, Marco Valerio, Matt Buffington, Kent M. Daane, **Daniel T. Dalton**, Alberto Grassi, Gülay Kaçar, Betsey Miller, Jeffrey C. Miller, Nuray Baser, Claudio Ioriatti, Vaughn M. Walton, Nik G. Wiman, Xingeng Wang, and Gianfranco Anfora. 2015. Host stage preference, efficacy and fecundity of parasitoids attacking *Drosophila suzukii* in newly invaded areas. Biological Control 84: 28-35. [*Role: parasitoid insect collections, insect colony maintenance, manuscript revision.*]
6. Ioriatti, Claudio, Vaughn M. Walton, **Daniel T. Dalton**, Gianfranco Anfora, Alberto Grassi, Simone Maistri, and Valerio Mazzoni. 2015. *Drosophila suzukii* and its potential imact to wine grapes during harvest in two cool climate wine grape production regions. Journal of Economic Entomology 108(3): 1148-1155. [*Role: experimental design, data acquisition, manuscript revision.*]
7. Wiman, Nik G., Vaughn M. Walton, **Daniel T. Dalton**, Gianfranco Anfora, Hannah J. Burrack, Joanna C. Chiu, Kent M. Daane, Alberto Grassi, Claudio Ioriatti, Betsey Miller, Samantha Tochen, and Xingeng Wang. 2014. Integrating temperature-dependent life table data into a matrix projection model for *Drosophila suzukii* population estimation. PLoS ONE 9(9):e106909. [*Role: experimental*

design, data acquisition, manuscript revision.]

8. Tochen, Samantha, Vaughn M. Walton, Nik G. Wiman, **Daniel T. Dalton**, Peter Shearer, and Chris Hamm. 2014. Temperature-related development and population parameters for *Drosophila suzukii* (Diptera: Drosophilidae) on cherry and blueberry. Environmental Entomology 43(2): 501-510. [*Role: experimental design and development, literature review, manuscript revision.*]
9. Lee, Jana C., Peter W. Shearer, Luz D. Barrantes, Elizabeth H. Beers, Hannah J. Burrack, **Daniel T. Dalton**, Amy J. Dreves, Larry J. Gut, Kelly A. Hamby, David R. Haviland, Rufus Isaacs, Anne L. Nielsen, Tamara Richardson, Cesar R. Rodriguez-Saona, Cory A. Stanley, Doug B. Walsh, Vaughn M. Walton, Wee L. Yee, Frank G. Zalom, and Denny J. Bruck. 2013. Trap designs for monitoring *Drosophila suzukii* (Diptera: Drosophilidae). Environmental Entomology 42(6):1348-1355. [*Role: data acquisition, manuscript revisions.*]
10. Rossi Stacconi, M.V., Alberto Grassi, **Daniel T. Dalton**, Betsey Miller, M. Ouantar, A. Loni, Claudio Ioriatti, Vaughn M. Walton, and Gianfranco Anfora. 2013. First field records of *Pachycrepoideus vindemiae* as a parasitoid of *Drosophila suzukii* in European and Oregon small fruit production areas. Entomologia 1:e3: 11-16. [*Role: field plot establishment, data acquisition, manuscript revision.*]
11. Walton, Vaughn M., **Daniel T. Dalton**, Kent M. Daane, Clive Kaiser, and Richard J. Hilton. 2013. Seasonal phenology of *Pseudococcus maritimus* (Hemiptera: Pseudococcidae) and pheromone-baited trap survey of four important mealybug species in three wine grape growing regions of Oregon. Annals of the Entomological Society of America 106(4): 471-478. [*Role: study and fieldwork coordinator, statewide plot establishment, data acquisition and interpretation, manuscript composition and revision.*]
12. **Dalton, Daniel T.**, Vaughn M. Walton, Peter W. Shearer, Douglas B. Walsh, Janet Caprile, and Rufus Isaacs. 2011. Laboratory survival of *Drosophila suzukii* under simulated winter conditions of the Pacific Northwest and seasonal field trapping in five primary regions of small and stone fruit production in the United States. Pest Management Science 67(11):1368-74. [*Role: experimental design and implementation, data acquisition, literature review, manuscript composition and revision, manuscript submission.*]
13. **Dalton, Daniel T.** and Kim E. Hummer. 2010. *Ribes* bloom phenology: sections *Botrycarpum* and *Ribes*. Journal of the American Pomological Society 64(3): 140-151. [*Role: field data collection, data analysis manuscript composition and revision.*]
14. **Dalton, Daniel T.**, Joseph D. Postman, and Kim E. Hummer. 2010. Comparative infectivity of *Cronartium ribicola* aeciospores and urediniospores on *Ribes nigrum*. Plant Disease. 94(4): 461-464. [*Role: experimental design, greenhouse plant maintenance, literature review, manuscript composition and revision.*]
15. **Dalton, Daniel T.** and Kim E. Hummer. 2009. Inheritance of the *Cr* gene in *Ribes nigrum*. Journal of the American Pomological Society 63(4): 142-144. U.P. Hedrick Student Paper Award: Second Place Winner. [*Role: experimental design, greenhouse plant maintenance, literature review, manuscript composition and revision.*]

Proceedings

1. Walton, Vaughn M., Nik G. Wiman, Inga Zasada, Joe DeFrancesco, **Daniel T. Dalton**, Amy J. Dreves, Jana Lee, Lynell Tanigoshi, and Wei Q. Yang. 2015. Management of Arthropods, Insect and Plant-Parasitic Nematodes in Blueberries. Proc. OSU Blueberry School, March 16-17, 2015: 129-144.

Peer Reviewed Publications

Extension publications are subjected to peer and end-user review.

1. **Dalton, Daniel**, Vaughn Walton, Kent Daane, Clive Kaiser, and Linda Brewer. 2014. Distribution and Monitoring of Grape Mealybug: A Key Vector of Grapevine Leafroll Disease in Oregon. EM 9092. Oregon State University Extension Service, Corvallis, OR. [*Role: field experimental management, publication composition and revision.*]
2. Walton, Vaughn, Betsey Miller, Doug Walsh, **Daniel Dalton**, Chris Hedstrom, Nik Wiman, and Peter

Shearer. 2013. Section 3: Insect and Mite Management. In: PNW 644, Field Guide for Integrated Pest Management in Pacific Northwest Vineyards, Eds. Michelle M. Moyer and Sally D. O'Neal. Washington State University Irrigated Agriculture Research and Extension Center, Prosser, WA. [*Role: co-composition of two chapters, digital imaging.*]

Master's Degree Thesis is subjected to peer review.

3. **Dalton, Daniel T.** 2009. Disease resistance and spring phenological characteristics of *Ribes* L. germplasm. Oregon State University M.Sc. Thesis. Available online at: http://hdl.handle.net/1957/11555 [*Role: literature review, experimental design and implementation, field and laboratory methodology, field and greenhouse plant maintenance, data acquisition and analysis, manuscript composition, presentation to public audience.*]

Newsletters

1. Walton, Vaughn, Nik Wiman, and **Daniel Dalton**. 2015. Anticipated Pest Pressure of Brown Marmorated Stink Bug and Spotted Wing Drosophila in Oregon Wine Grapes. OWRI Technical Newsletter, April 2015.
2. Miller, Betsey, **Danny Dalton**, Vaughn Walton, and Jeff Miller. 2013. Biocontrol of Spotted Wing Drosophila – Parasitoid Baiting Project – 2012. International Organization for Biological Control Nearctic Regional Section Winter 2013, Issue 35(1): 5-6. [*Role: summarization of laboratory data, co-composition of article, article submission.*]

Conference Abstracts (*presenter in italics*)

1. ***Dalton, Daniel***, Vaughn Walton, Riki York, and Nik G. Wiman. Sustainable Spotted Wing Drosophila Cultural Management Practices in Commercial Blueberry Fields. Poster, 2015 Annual Conference, Northwest Center for Small Fruits Research, Portland, OR. December 1, 2015. [*Role: experimental design, field plot establishment and data collection, poster composition and presentation at meeting.*]
2. ***Dalton, Daniel***, Vaughn Walton, Riki York, and Nik G. Wiman. Tolerance of Immature Stages of *Drosophila suzukii* to High Temperature Extremes. Presentation, ESA 63rd Annual Meeting, Minneapolis, MN. November 17, 2015. [*Role: experimental design, laboratory data collection, field plot establishment and data collection, presentation at meeting.*]
3. *Walton, Vaughn*, Nik G. Wiman, **Daniel Dalton**, Gianfranco Anfora, Hannah Burrack, Joanna Chiu, Kent M. Daane, Rufus Isaacs, Alberto Grassi, Betsey Miller, Samantha L. Tochen, Xin-geng Wang, and Claudio Ioriatti. *Drosophila suzukii* Population Dynamics: Implications for Management. Presentation, ESA 63rd Annual Meeting, Minneapolis, MN. November 17, 2015. [*Role: field experimental design, data acquisition, literature review, presentation review.*]
4. *Walton, Vaughn*, **Daniel Dalton**, Claudio Ioriatti, Gianfranco Anfora, Alberto Grassi, Simone Maistri, and Valerio Mazzoni. Role of *Drosophila suzukii* in Increased Spoilage Bacteria Levels During Winegrape Harvest. Poster, OWRI Grape Day, Corvallis, OR. March 31, 2015. [*Role: data acquisition, poster revision.*]
5. ***Dalton, Daniel***, Vaughn Walton, Clive Kaiser, and Rick Hilton. Red Blotch Virus and Vineyard Surveys for Potential Leafhopper Vectors. Poster, OWRI Grape Day, Corvallis, OR. March 31, 2015. [*Role: data collection, poster composition, poster review, public presentation of material.*]
6. *Wiman, Nik G.*, Vaughn M. Walton, and **Danny Dalton**. Survival Analysis of Brown Marmorated Stink Bug on Field-Aged Insecticide Residues in Hazelnut. Presentation, 89th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 14, 2015. [*Role: field insecticide applications, abstract review.*]
7. *Miller, Betsey*, Vaughn Walton, **Daniel T. Dalton**, Gianfranco Anfora, Jeffrey C. Miller, and Xin-Geng Wang. Local and Foreign Field Surveys of Parasitoids of *Drosophila suzukii*. Presentation, ESA 62nd Annual Meeting, Portland, OR. November 18, 2014. [*Role: trap establishment, field maintenance, data management.*]

8. *Vaughn Walton*, **Daniel T. Dalton**, Nik G. Wiman, Samantha L. Tochen, Betsey Miller, Hannah J. Burrack, Kent M. Daane, Xin-Geng Wang, Peter W. Shearer, Claudio Ioriatti, Gianfranco Anfora, Alberto Grassi, and Markus Neteler. *Drosophila suzukii* Population Estimation and Development of a Real-Time Risk Model. Presentation, ESA 62nd Annual Meeting, Portland, OR. November 18, 2014. [*Role: literature review, data acquisition, presentation review.*]
9. *Klick, Jimmy*, Denny Bruck, Vaughn Walton, **Daniel T. Dalton**, James R. Hagler, Amy J. Dreves, and Wei Q. Yang. Influence of Field Margin on *Drosophila suzukii* Invasion of Red Raspberries. Presentation, PBESA 98th Annual Meeting, Tucson, AZ. April 9, 2014. [*Role: data spatial analysis, presentation review.*]
10. *Miller, Betsey*, Jeffrey C. Miller, Vaughn Walton, Peter W. Shearer, **Daniel T. Dalton**, Kent M. Daane, and Xin-geng Wang. Calling for Backup: Foreign Exploration for Natural Enemies of Invasive Species. Presentation, PBESA 98th Annual Meeting, Tucson, AZ. April 8, 2014. [*Role: literature review, presentation review.*]
11. *Walton, Vaughn*, Nik G. Wiman, Samantha L. Tochen, **Daniel T. Dalton**, Jimmy Klick, Jana C. Lee, Betsey Miller, Hannah J. Burrack, Claudio Ioriatti, Gianfranco Anfora, Alberto Grassi, Peter W. Shearer, Kent M. Daane, Xin-geng Wang, Bernadine Strik, Chuleui Jung, and Jeffrey C. Miller. *Drosophila suzukii*, an Invasive Pest of Stone and Small Fruit: Current Impact and Possible Solutions. Presentation, PBESA 98th Annual Meeting, Tucson, AZ. April 7, 2014. [*Role: literature review, presentation review.*]
12. *Walton, Vaughn*, **Daniel Dalton**, Elizabeth Tomasino, Claudio Ioriatti, Gianfranco Anfora, Alberto Grassi, and Simone Maistri. *Drosophila suzukii* and Wine Grapes: Host Suitability and Other Possible Impacts. Poster, OWRI Grape Day, Corvallis, OR. April 1, 2014. [*Role: literature review, data acquisition, poster review.*]
13. ***Dalton, Daniel***, Vaughn Walton, Kent Daane, Clive Kaiser, Rick Hilton, and Rodrigo Almeida. Observations and Spread of Grapevine Viruses in Two Oregon Winegrape Regions. Poster, OWRI Grape Day, Corvallis, OR. April 1, 2014. [*Role: field experimental management, poster composition, poster review, public presentation of material.*]
14. *Walton, Vaughn*, Anne Nielsen, Chris Hedstrom, Nik Wiman, and **Daniel Dalton**. Impact of BMSB Feeding on Winegrapes. Poster, OWRI Grape Day, Corvallis, OR. April 1, 2014. [*Role: literature review, data acquisition, poster review.*]
15. ***Dalton, Daniel T.***, Clive Kaiser, Vaughn M. Walton, and Nik G. Wiman. Emerging Pests of the Walla Walla Valley, Oregon. Presentation, Blue Mountain Horticultural Society. January 22, 2014. [*Role: literature review, data synthesis, PowerPoint composition, presentation of material to Extension audience.*]
16. *Ioriatti, Claudio*, Gianfranco Anfora, Alberto Grassi, Simone Maistri, **Daniel Dalton**, Elizabeth Tomasino, and Vaughn Walton. *Drosophila suzukii* and Wine Grapes: Host suitability and other possible impacts. Presentation, 88th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 8, 2014. [*Role: literature review, data synthesis with international collaborators; presentation review.*]
17. ***Dalton, Daniel T.***, Betsey Miller, Vaughn M. Walton, Jeff Miller, Peter Shearer, Kent M. Daane, and Xin-geng Wang. Indigenous Spotted Wing Drosophila Biological Control Agents in Oregon. Presentation, 88th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 8, 2014. [*Role: literature review, data acquisition and synthesis, PowerPoint composition and presentation to Extension audience.*]
18. *Klick, Jimmy*, Denny J. Bruck, Vaughn M. Walton, **Daniel T. Dalton**, Jana C. Lee, James R. Hagler, Amy J. Dreves, and Wei Q. Yang. Influence of Field Margin on *Drosophila suzukii* Invasion of Red Raspberries. Presentation, 73rd Annual Pacific Northwest Insect Management Conference, Portland, OR. January 6, 2014. [*Role: data spatial analysis, presentation review.*]
19. ***Dalton, Daniel T.***, Vaughn Walton, Kent M. Daane, Clive Kaiser, and Richard Hilton. Seasonal Phenology and Pheromone Trap Monitoring of *Pseudococcus maritimus* in Three Wine Grape Growing Regions of Oregon. Presentation, ESA 61st Annual Meeting, Austin, TX. November 13,

2013. [*Role: project management, data synthesis, PowerPoint composition, presentation to scientific audience.*]

20. *Walton, Vaughn*, Samantha L. Tochen, Nik G. Wiman, **Daniel T. Dalton**, Peter W. Shearer, and Christopher A. Hamm. Development of Temperature-Related Population Parameters for *Drosophila suzukii* (Diptera: Drosophilidae) to Determine Pest Risk. Presentation, ESA 61st Annual Meeting, Austin, TX. November 12, 2013. [*Role: data acquisition, presentation review.*]
21. *Walton, Vaughn M.*, **Daniel T. Dalton**, Betsey Miller, Jeffrey C. Miller, Peter W. Shearer, Preston H. Brown, Claudio Ioriatti, Gianfranco Anfora, and Jana C. Lee. Current Biocontrol Status of Spotted Wing Drosophila in Some Small and Stone Fruit Production Areas. Presentation, PBESA 97th Annual Meeting, Stateline, NV. April 9, 2013. [*Role: data acquisition, presentation review.*]
22. *Hilton, Richard*, Vaughn M. Walton, **Daniel Dalton**, and Philip VanBuskirk. Presence, Population Dynamics, and Biology of Mealybugs in Oregon Vineyards. Poster, PBESA 97th Annual Meeting, Stateline, NV. April 9, 2013. [*Role: data acquisition and spatial analysis.*]
23. ***Dalton, Daniel*** and Vaughn Walton. Seasonal Phenology and Trapping Survey of *P. maritimus* in Oregon vineyards. Poster, OWRI Grape Day 2013 meeting, Corvallis, OR. April 2, 2013. [*Role: project management, data synthesis, poster composition, presentation to Extension audience.*]
24. ***Dalton, Daniel***, Sam Tochen, Betsey Miller, Jeffrey Miller, Patty Skinkis, and Vaughn Walton. Spotted Wing Drosophila in Wine Grapes. Poster, OWRI Grape Day 2013 meeting, Corvallis, OR. April 2, 2013. [*Role: data acquisition and synthesis, poster composition, presentation to Extension audience.*]
25. ***Dalton, Daniel***, Vaughn Walton, Kent Daane, Rodrigo Almeida, and Bob Martin. Year Two Update: Intensive Survey for *Pseudococcus maritimus* and GLRaV in Oregon Vineyards. Presentation, 86th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 12, 2012. [*Role: project management, data acquisition and synthesis, PowerPoint composition, presentation to Extension audience.*]
26. ***Dalton, Daniel***, Vaughn Walton, Rick Hilton, Marcus Buchanan, Clive Kaiser, Kent Daane, Rodrigo Almeida, Robert Martin, and Jocelyn Millar. Status of Grape-Infesting Mealybug Species and Associated Leafroll Viruses in Wine-Producing Regions of Oregon. Presentation, PBESA 95th Annual Meeting, Waikoloa Village, HI. March 29, 2011. [*Role: project management, data acquisition and synthesis, PowerPoint composition, presentation to scientific audience.*]
27. **Dalton, Daniel**, Vaughn Walton, Rick Hilton, Marcus Buchanan, Clive Kaiser, *Kent Daane*, Rodrigo Almeida, Robert Martin, and Jocelyn Millar. Status of Grape-Infesting Mealybug Species and Associated Leafroll Viruses in Wine-Producing Regions of Oregon. Presentation, ASEV 62nd Annual Meeting, Monterey, CA. June 24, 2011. [*Role: project management, data acquisition and synthesis, PowerPoint composition.*]
28. *Walton, Vaughn*, **Daniel Dalton**, Sam Tochen, Denny Bruck, Doug Walsh, Peter Shearer, and Preston Brown. Spotted Wing Drosophila Observations in Commercial Blueberry and Wine Grapes in the Willamette Valley of Oregon. Presentation, PBESA 95th Annual Meeting, Waikoloa Village, HI. March 29, 2011. [*Role: field data acquisition and synthesis, presentation review.*]
29. ***Dalton, Daniel T.*** *Drosophila suzukii* Survival Under Simulated Winter Conditions of the Pacific Northwest. Presentation, 85th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 14, 2011. [*Role: experimental design and implementation, data acquisition and analysis, PowerPoint composition, presentation to Extension audience.*]
30. *Hilton, Richard*, Vaughn Walton, Marcus Buchanan, **Danny Dalton**, Amy Dreves, Steve Castagnoli, Clive Kaiser, Jocelyn Millar, Steve Renquist, Philip VanBuskirk. Pheromone Monitoring of Mealybugs in the Winegrape Growing Regions of Oregon. 85th Annual Western Orchard Pest & Disease Management Conference, Portland, OR. January 14, 2011. [*Role: field plot establishment, survey and outreach to winegrape growers; data synthesis.*]
31. *Walton, Vaughn M.*, **Daniel T. Dalton**, Wei Yang, and Tom Peerbolt. *Drosophila suzukii*: In-Lab Overwintering Data and Real-Time Area-Wide Management Tools. Presentation, PBESA 94th Annual Meeting, Boise, ID. April 12, 2010. [*Role: experimental design and implementation, data*

acquisition, presentation review.]

32. ***Dalton, Daniel T.*** Segregation of the *Cr* Resistance Gene in *Ribes nigrum*. Western Orchard Pest and Disease Management Conference, Portland, OR. January 15, 2009. [*Role: experimental design, data collection, statistical analysis, greenhouse and field plant maintenance, PowerPoint composition, presentation to Extension audience.*]
33. ***Dalton, Daniel T.*** and Kim E. Hummer. Response of Black Currants to White Pine Blister Rust Inoculation. Poster, NCSFR Annual Conference, Corvallis, OR. December 4, 2008. [*Role: experimental design, data collection, statistical analysis, greenhouse and field plant maintenance, poster composition, presentation to scientific audience.*]
34. ***Dalton, Daniel T.*** *Ribes* Bloom Phenology in a Diverse Field Genebank. Presentation, ASHS 105th Annual Conference, Orlando, FL. July 23, 2008. [*Role: data collection, PowerPoint composition, presentation to Extension audience.*]
35. ***Dalton, Daniel T.*** and Kim E. Hummer. Response of Black Currants to White Pine Blister Rust Inoculation (poster). NCSFR Annual Conference, Boise, ID. November 29, 2007. [*Role: experimental design, data collection, statistical analysis, greenhouse and field plant maintenance, poster composition, presentation to scientific audience.*]
36. ***Dalton, Daniel T.*** *Aleiodes* of Eastern Forests: an Examination of the Biology and Function of Rogadine Wasps in North American Ecosystems – UW Undergraduate Research Day, Laramie, WY. April 23, 2005. [*Role: literature review, project management, digital imaging, PowerPoint composition, presentation to scientific audience.*]
37. *Pelc, Brian*, ***Daniel T. Dalton***, and *Michael Goldstine*. Burn Scar Survey and Frequency in Oak Savanna. Cedar Creek Summer Research Symposium. CCESR, 2004. [*Role: independent project management, field data collection, presentation review, co-presentation with colleagues to student audience.*]

2. Attendance at Professional Meetings, Symposia and Conferences

2015

- Northwest Center for Small Fruits Research, Portland, Oregon
- WERA 1021 Planning Meeting, Minneapolis, Minnesota
- Entomological Society of America National Meeting, Minneapolis, Minnesota
- Rogue Valley Winegrowers Association Technical Group Seminar on Red Blotch, Central Point, Oregon
- Oregon Wine Research Industry Grape Day, Corvallis, Oregon

2014

- Entomological Society of America National Meeting, Portland, Oregon
- Oregon Wine Research Industry Grape Day, Corvallis, Oregon
- Western Orchard Pest and Disease Management Conference, Portland, Oregon
- Pacific Northwest Insect Management Conference (section moderator), Portland, Oregon

2013

- WERA 1021 Planning Meeting, Austin, Texas
- Entomological Society of America National Meeting, Austin, Texas
- Rogue Valley Winegrowers Association Grape Day, Medford, Oregon
- Oregon Wine Research Industry Grape Day, Corvallis, Oregon

2012

- Western Orchard Pest and Disease Management Conference, Portland, Oregon

2011

- Entomological Society of America Pacific Branch Meeting, Waikoloa, Hawaii
- Oregon Wine Industry Symposium, Eugene, Oregon
- Western Orchard Pest and Disease Management Conference, Portland, Oregon

2010

- Entomological Society of America Pacific Branch Meeting, Boise, Idaho

Pre-FRA

- American Society of Horticultural Science, Orlando, Florida
- Northwest Center for Small Fruits Research Annual Meeting, Corvallis, Oregon
- Northwest Center for Small Fruits Research Annual Meeting, Boise, Idaho

3. Grant and contract support

Title	Role
Development of Water-Wise Hazelnut Pest Management Strategies, Brown Marmorated Stink Bug Research	Project Leader: coordinated field site establishment and field data collection for studies on Brown Marmorated Stink Bug.
Integrative Studies of Vector-Related Field Epidemiology for Grapevine Red Blotch-associated Virus and Grape Leafroll-associated Virus in Oregon	Cooperator: field project manager, collect field samples and process them in the laboratory, spatial analysis of data, coordinate activities with other researchers.
Brown Marmorated Stink Bug Risk and its Impacts in Western Vineyards	Cooperator: field site establishment and data collection, data manager
Optimized Chemical Controls for Spotted Wing Drosophila and Brown Marmorated Stink Bug on Blueberry	Key Personnel:
Identifying Lethal Temperatures Targeting Immature Life Stage Control of Spotted Wing Drosophila	Cooperator: laboratory protocol establishment, collect data. Wrote grant proposal in consultation with PI.
Sustainable Spotted Wing Drosophila Cultural Management Practices in Commercial Blueberry Fields	Cooperator: primary field researcher, establish plots and monitoring equipment, collect data. Wrote summary and narrative of grant proposal.
Determining Economic Impact and Orchard Distribution Patterns of Brown Marmorated Stink Bug in Hazelnut	Cooperator: conduct pest-monitoring fieldwork outlined in the proposal; contribute to data management and analysis.
Insect Vector Distribution and Disease Progression Studies to Better Describe Field Epidemiology of Grapevine Red Blotch-Associated and Vine Leafroll Virus in Oregon	Collaborator: establish field sites; collect samples and process materials in laboratory; interpret data; provide Extension and outreach to growers.
Using Bait Sprays for Spotted Wing Drosophila Management on Blueberry	Cooperator: assist in establishment of field sites; process samples from field-collected materials.
Implementing Canopy Management and Weed Mat to Control In-Season Populations of Spotted Wing Drosophila in Commercial Blueberry Fields	Cooperator: design experimental protocol and plot layout; coordinate assistant help for project; field visits for data collection; work with PI for statistical analysis.
Development of Alternative Management Practices for *Drosophila suzukii* (SWD) and Brown Marmorated Stink Bug (BMSB)	Project Leader: Coordinate field work with fellow researchers; apply pesticides on fruit; perform laboratory bioassay; report data to Agency.
Biology and Management of Spotted Wing Drosophila on Small and Stone Fruits	Research Assistant: establish and execute protocols; prepare documents for peer-refereed journals; website coordinator.

3. Grant and contract support (continued)

Title	Role
Characterizing Brown Marmorated Stink Bug Damage on Oregon Wine Grapes	Cooperator: Assist with laboratory evaluation of pest impact on wine grapes.
Vine Leafroll Virus and Vine Mealybug, a Dangerous Complex	Collaborator: identify, establish, and visit field sites for data acquisition; document findings and interpret data for Extension, outreach, and peer-review audiences.

5. Other information appropriate to discipline

Pesticide Consultant certified by Oregon Department of Agriculture, 2010-present

D. Service

University service

Facilitator, Student Research in Entomology Symposium, Oregon State University, 2012.

Service to the profession

Chief Judge, Entomological Society of America Student Poster Competition, Minneapolis, MN, 2015.

Moderator, Pests of Wine Grapes & Small Fruits section, Pacific Northwest Insect Pest Management Conference, Portland, OR, 2014.

E. Awards

National Awards

U.P. Hedrick Student Paper Award: 2nd Place Winner for peer refereed article, "Inheritance of the *Cr* Gene in *Ribes nigrum*," Journal of the American Pomological Society, 2009.

University and Community Awards

James and Mildred Oldfield/E.R. Jackman Team Award, Oregon State University, 2014. One of 19 awardees of Team Drosophila, a research team to investigate the impacts of *Drosophila suzukii* in Oregon.