

## 2010 BOTANY AND PLANT PATHOLOGY PUBLICATIONS

### Armstrong, Donald

#### a. REFEREED JOURNAL ARTICLES

- McPhail, K. L., D. J. Armstrong, M. D. Azevedo, G. M. Banowetz, and D. I. Mills. 2010. 4-Formylaminoxyvinylglycine, an herbicidal Germination-Arrest Factor from *Pseudomonas* rhizosphere bacteria. *J Natural Products* 73: 1853-1857.
- Kimbrel, J. A., S. A. Givan, A. B. Halgren, A. L. Creason, D. I. Mills, G. M. Banowetz, D. J. Armstrong, and J. H. Chang. 2010. An improved, high-quality draft genome sequence of the Germination-Arrest Factor-producing *Pseudomonas fluorescens* WH6. *BMC Genomics* 11: 522-536.

### Behrenfeld, Michael

#### a. REFEREED JOURNAL ARTICLES

- Slade, W.H., Boss, E., Dall'Olmo, G., Langner, M.R., Loftin, J., Behrenfeld, M.J., Roesler, C. Underway and moored methods for improving accuracy in measurement of spectral particulate absorption and attenuation. *J. Atmosph. Oceanic Techn.* DOI: 10.1175/2010JTECHO755.1, 2010
- O'Malley, R.T., Behrenfeld, M.J., Siegel, D.A., Maritorea, S. Global ocean phytoplankton. In: State of the Climate in 2009. *Bull. Amer. Meteor. Soc.* July 2010. 91(7): S75-S78.
- Boss, E., Behrenfeld, M.J. In-situ evaluation of the initiation of the North Atlantic phytoplankton bloom. *Geophysical Research Letters*. 37: L18603, doi:10.1029/2010GL044174, 2010.
- Westberry, T.K, Dall'Olmo, G., Boss, E., Behrenfeld, M.J., Moutin, T. Coherence of particulate beam attenuation and backscattering coefficients in diverse open ocean environments. *Optics Express*. 18 (15): 15,419-15,425, 2010.
- Halsey, K.H., Milligan, A., Behrenfeld, M.J. Physiological optimization underlies growth rate-independent chlorophyll-specific gross and net primary production. *Photosynth. Res.* doi: 10.1007/s11220-009-9526-z, 2010.
- Behrenfeld, M.J. Abandoning Sverdrup's Critical Depth Hypothesis on phytoplankton blooms. *Ecology* 91(4): 977-989, 2010.
- Saba, V.S., Friedrichs, M.A.M., Elena-Carr, M., Antoine, D., Armstrong, R.A., Asanuma, I., Aumont, O., Bates, N.R., Behrenfeld, M.J., Bennington, V., Bopp, L., Bruggeman, J., Buitenhuis, E.T., Church, M.J., Ciotti, A.M., Doney, S.C., Dowell, M., Dunne, J., Dutkiewicz, S., Gregg, W., Hoepffner, N., Hyde, K.J.W., Ishizaka, J., Kameda, T., Karl, D.M., Lima, I., Lomas, M.W., Marra, J., McKinley, G.A., Melin, F., Moore, J.K., Morel, A., O'Reilly, J., Salihoglu, B., Scardi, M., Smyth, T.J., Tang, S., Tjiputra, J., Uitz, J., Vichi, M., Waters, K., Westberry, T.K., Yool, A.. Challenges of modeling depth-integrated marine primary productivity over multiple decades: A case study at BATS and HOT. *Global Biogeochem. Cycl.* 24, GB3020, doi:10.1029/2009GB003655, 2010

### Carrington, James

#### a. REFEREED JOURNAL ARTICLES

- Fahlgren, N., Carrington, J.C. 2010. miRNA target prediction in plants. *Methods Mol Biol.* 592, 51-7.
- Cuperus, J.T., Montgomery, T.A., Fahlgren, N., Burke, R.T., Townsend, T., Sullivan, C.M., Carrington, J.C. 2010. Identification of *MIR390a* precursor processing-defective mutants in *Arabidopsis* by direct genome sequencing. *Proc Natl Acad Sci USA* 107, 466-471.
- Vogel, J.P., Bevan, M., et al. 2010. Genome sequencing and analysis of the model grass *Brachypodium distachyon*. *Nature* 463, 763-8.
- Garcia-Ruiz, H., Takeda, A., Chapman, E.C., Sullivan, C., Fahlgren, N., Bremel, K.J., Carrington, J.C. 2010. *Arabidopsis* RNA-Dependent RNA polymerases and Dicer-Like proteins in antiviral defense and siRNA biogenesis during *Turnip mosaic virus* infection. *Plant Cell* 22, 481-96.

- Lee, H., Yoo, S.J., Lee, J.H., Kim, W., Yoo, S.K., Fitzgerald, H., Carrington, J.C., Ahn J.H. 2010. Genetic framework for flowering-time regulation by ambient temperature-responsive miRNAs in *Arabidopsis*. *Nucleic Acids Research* 38, 3081-93.
- Fahlgren, N., Jogdeo, S., Kasschau, K.D., Sullivan, C.M., Chapman, E.J., Laubinger, S., Smith, L.M., Dasenko, M., Givan, S.A., Weigel, D., Carrington, J.C. 2010. MicroRNA gene evolution in *Arabidopsis lyrata* and *Arabidopsis thaliana*. *Plant Cell* 22, 1074-89.
- Dunoyer, P., Schott, G., Himber, C., Meyer D., Takeda, A., Carrington J., Voinnet, O. 2010. Small RNA duplexes function as mobile silencing signals between plant cells. *Science* 328, 912-6.
- Gleick, P.H., et al. 2010. Climate change and the integrity of science. *Science* 328, 689-90.
- Wei, T., Zhang, C., Hong J., Xiong R., Kasschau, K.D., Zhou, X., Carrington J.C., Wang, A. 2010. Formation of complexes at plasmodesmata for potyvirus intercellular movement is mediated by the viral protein P3N-PIPO. *PLoS Pathogens* 6, e1000962.
- Cuperus, J.T., Carbonell, A., Fahlgren, N., Garcia-Ruiz, H., Burke, R.T., Takeda, A., Sullivan, C.M., Gilbert, S.D., Montgomery, T.A., Carrington, J.C. 2010. Unique functionality of 22-nt miRNAs in triggering RDR6-dependent siRNA biogenesis from target transcripts in *Arabidopsis*. *Nat Struct Mol Biol* 17, 997-1003.
- Cosson, P., Sofer, L., Le, H., Leger, V., Schurdi-Levraud, V., Whitham, S.A., Yamamoto, M.L., Gopalan, S., Le Gall, O., Candresse, T., Carrington, J.C., Revers, F. 2010. RTM3 which controls long distance movement of potyviruses is a member of a new plant gene family encoding a meprin and TRAF homology (MATH) domain-containing protein. *Plant Physiol* 154, 222-32.
- Smith, K.M., Sancar, G., Dekhang, R., Sullivan, C.M., Li, S., Tag, A.G., Sancar, C., Bredeweg, E., Priest, H.D., McCormick, R.F., Thomas, T.L., Carrington, J.C., Stajich, J.E., Bell-Pedersen, D., Brunner, M., Freitag, F. 2010. Transcription factors in light and circadian clock signaling networks revealed by genome-wide mapping of direct targets for Neurospora WHITE COLLAR COMPLEX. *Eukaryotic Cell* 9, 1549-56.

### **Chang, Jeffrey**

#### a. REFEREED JOURNAL ARTICLES

- J. A. Kimbrel, S. Givan, A. B. Halgren, A. L. Creason, D. I. Mills, G. M. Banowetz, D. J. Armstrong, and J. H. Chang (2010). An improved, high-quality draft genome sequence of the Germination-Arrest Factor-producing *Pseudomonas fluorescens* WH6. *BMC Genomics*. 11:522-.
- The International *Brachypodium* Initiative (2010). Genome Sequencing and Analysis of the Model grass *Brachypodium distachyon*. *Nature*. 463:763-768.
- D. F. Garvin, N. McKenzie, J. P. Vogel, T. C. Mockler, Z. J. Blankenheim, J. Wright, Jitender J.S. Cheema, J. Dicks, N. Huo, D. M. Hayden, Y. Gu, C. Tobias, J. H. Chang, A. Chu, M. Trick, T. P. Michael, M. W. Bevan, and J. W. Snape (2010). An SSR-based Genetic Linkage Map of the Model Grass *Brachypodium distachyon*. *Genome*. 53(1):1-13.

### **Coop, Leonard**

#### a. REFEREED JOURNAL ARTICLES

- Kim, K. S., S. E. Taylor, M. L. Gleason, F. W. Nutter, Jr., L. B. Coop, W. P. Pfender, R. C. Seem, P. C. Sentelhas, T. J. Gillespie, A. D. Marta, S. Orlandini. 2010. Spatial Portability of Leaf wetness models based on Empirical Approaches. *Agric. and Forest Meteorol.* 150:871-880.
- Walton, V.M., A.J. Dreves, L.B. Coop, G.V. Jones and P.A. Skinkis. 2010. Developmental parameters and seasonal phenology of *Calepitrimerus vitis* (Acari: Eriophyidae) in wine grapes of Western Oregon. *Environmental Entomology*. 39:2006-2016.

b. TECHNICAL REPORTS and other non-peer reviewed articles

Coop, L. B. 2010. U. S. degree-day mapping calculator. Version 4.0. Oregon State University Integrated Plant Protection Center Web Site Publication E.10-03-1: <<http://uspest.org/cgi-bin/usmapmaker.pl>>

Coop, L. B. and J. K. Stone. 2010. Climate models for predicting distribution and severity of Swiss Needle Cast. In: D.

Shaw, Ed. Swiss Needle Cast Cooperative Annual Report, 2010. College of Forestry, Oregon State University. pp. 68-82. <<http://www.cof.orst.edu/coops/sncc/pdfs/sncc10.pdf>>

**Cooper, Laurel**

a. TECHNICAL REPORTS and other non-peer reviewed articles

Cooper, L., Elser, J., Walls, R., Stevenson, D.W., Smith, B., Mungall, C.J., Gandolfo, M.A., and Jaiswal, P. (2010). The Plant Ontology: A Database for Plant Genomics. Plant Biology 2010. Jul. 31 - Aug. 4, 2010. Quebec, Montreal, Canada.

Cooper, L., Vejlupkova, Z, Elser, J., Jaiswal, P., Watrude, L. and Fowler, J. (2010). Surprises in the Maize Pollen Transcriptome: Developmental Similarities and Inbred Differences. Plant Biology 2010, July 31st-Aug 4th, 2010, Montreal Quebec, Canada.

Elser, J., Cooper, L. and Jaiswal, P. (2010). Plant Ontology: Databases And Applications. Plant & Animal Genomes XVIII Conference, January 9-13, 2010, San Diego, CA.

Walls, R., Cooper, L., Elser, J., Stevenson, D.W., Mungall, C.J., Gandolfo, M. A. and Jaiswal, P., (2010). The Plant Ontology: A Common Reference Ontology for Plants. Bio-Ontologies 2010: Semantic Applications in Life Sciences. July 9th-10th, 2010, Boston, MA.

Walls, R., Cooper, L., Elser, J., Stevenson, D.W., Smith, B., Mungall, C.J., Gandolfo, M.A. and Jaiswal, P. (2010). The Plant Ontology: a tool for structural, developmental, and molecular plant biologists. Botany 2010, Jul. 31 - Aug. 4, 2010. Providence, RI.

**Dolja, Valerian**

a. REFEREED JOURNAL ARTICLES

Peremyslov, V.V., Prokhnevsky, A.I., and Dolja, V.V. (2010) Class XI myosins are required for development, cell expansion, and F-actin organization in *Arabidopsis*. Plant Cell 22, 1883-1897. Featured in an Editorial.

Suetsugu, N., Dolja, V.V., and Wada, M. (2010) Why have chloroplasts developed a unique motility system? Plant Signal. Behav. 5, 1190-1196.

Ueda, H., Yokota, E., Kutsuna, N., Shimada, T., Tamura, K., Shimmen, T., Hasezawa, S., Dolja, V.V., and Hara-Nishimura, I. (2010) Myosin-dependent ER motility and F-actin organization in plant cells. Proc. Natl. Acad. Sci. USA 107, 6894-6899.

Kristensen, D.M, Mushegian, A.R., Dolja, V.V., and Koonin, E.V. (2010) New dimensions of the virus world discovered through metagenomics. Trends Microbiol. 18, 11-19. **Featured article of the issue.**

**Filichkin, Sergei**

a. REFEREED JOURNAL ARTICLES

**Shulaev, V. et al. (2010) The genome of woodland strawberry (*Fragaria vesca*). Nat. Genet. 43: 109-116. Genome sequence and analysis of the model grass *Brachypodium distachyon*. (2010) The International Brachypodium Initiative. Nature 463: 763-768.**

**Filichkin, S. et al. (2010) Genome-wide mapping of alternative splicing in *Arabidopsis thaliana*. Genome Res. 20: 45-58.**

## **Gent, David**

### a. REFEREED JOURNAL ARTICLES

Pethybridge, S. J., Hay, F. S., and Gent, D. H. 2010. Characterization of the spatiotemporal attributes of *Sclerotinia* flower blight epidemics in a perennial pyrethrum pathosystem. *Plant Disease* 94:1305-1313.

Schwartz, H. F., Gent, D. H., Fichtner, S. M., Khosla, R., Mahaffey, L. A., Camper, M. A., and Cranshaw, W. S. 2010. Spatial and temporal distribution of Iris yellow spot virus and thrips in Colorado onion fields. Online. *Plant Health Progress* doi:10.1094/PHP-2010-0820-01-RS.

Gent, D. H., Ocamb, C. M., and Farnsworth, J. L. 2010. Forecasting and management of hop downy mildew. *Plant Disease* 94:425-431.

### b. TECHNICAL REPORTS and OTHER NON-PEER REVIEWED ARTICLES

Woods, J. L., Dreves, A. J., Fisher, G. C., James, D. G., and Gent, D. H. 2010. Effect of fungicide timing on two-spotted spider mite and hop aphid management in hops. Proceedings of the Pacific Northwest Insect Management Conference, January 13-14 2010, Portland, Oregon.

## **Goyer, Aymeric**

### a. REFEREED JOURNAL ARTICLES

Goyer A (2010) Thiamine in plants: Aspects of its metabolism and functions. *Phytochemistry* 71: 1615-1624.

### b. TECHNICAL REPORTS and OTHER NON-PEER REVIEWED ARTICLES

Goyer A (2010) Why and how to increase the contents of vitamins in potato? Proceedings of the 1st Annual Washington Oregon Potato Conference, Kennewick, WA, January 26-28, 2010. pp. 14-20.

Goyer A (2010) Increasing the nutritional value of potato: determination of vitamins concentrations in newly released varieties and advanced breeding lines from the Tri-State breeding program and in wild species. In *Research Progress Reports for the Oregon Potato Commission*. p.30-37.

Goyer A (2010) Increasing the nutritional value of potato: determination of vitamins concentrations in newly released varieties and advanced breeding lines from the Tri-State breeding program and in wild species. In *Progress Reports for Research Conducted in 2010 - The Washington Potato Commission*. p.50-56.

## **Grunwald, Niklaus**

### a. REFEREED JOURNAL ARTICLES

Fry, W. E. and Grünwald, N. J. 2010. Introduction to Oomycetes. *The Plant Health Instructor*. DOI:10.1094/PHI-I-2010-1207-01.

Rauscher, G., Simko, I., Mayton, H., Bonierbale, M., Smart, C., Grünwald, N. J., Greenland, A., Fry, W. E. 2010. Quantitative resistance to late blight from *Solanum berthaultii* cosegregates with RPi-ber: insights into stability by interaction with isolates and environment. *Theoretical and Applied Genet* 121:1553-1567.

Kang, S., Mansfield, M. A., Park, B., Geiser, D. M., Ivors, K. L., Coffey, M. D., Grünwald, N. J., Martin, F. N., Lévesque, C. A., and Blair, J. E. 2010. The promise and pitfalls of sequence-based identification of plant-pathogenic fungi and oomycetes. *Phytopathology* 100:732-737

Vercauteren, A., De Dobbelaere, I., Grünwald, N. J., Bonants, P., Van Bockstaele, E., Maes, M., and Heungens, K. 2010. Clonal expansion of the Belgian *Phytophthora ramorum* populations based on new microsatellite markers. *Mol. Ecol.* 19:92-107.

Anderson CM, Aparicio GJ, Atangana AR, et al. 2010. Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2009–31 January 2010. *Molecular Ecology Resources* 10: 576-579.

## Hamm, Philip

### a. REFEREED JOURNAL ARTICLES

- Hamm, P.B., D. Hane, M.J. Pavek, L.D. Leroux, S.L. Gieck, and N.L. David. 2010. Potato varieties differ in current season infection by potato virus Y (PVY). *American Journal of Potato Research* 87:19-26.
- DeBano, S.J., P.B. Hamm, A. Jensen, S.I. Rondon, and P.J. Landolt. 2010. Spatial and Temporal Dynamics of Potato Tuberworm (Lepidoptera: Gelechiidae) in the Columbia Basin of the Pacific Northwest. *Environmental Entomology* 39: 1-14
- Whitworth, J.L, P.B. Hamm, and C. McIntosh. 2010. Effect of potato virus Y on yield of a clonal selection of Russet Norkotah. *American Journal of Potato Research* 87:310-314
- Crosslin, J.M., P.B. Hamm, W.W. Kirk, and R. W. Hammond. 2010. Complete genomic sequence of a tobacco rattle virus isolate from Michigan-grown potatoes. *Archives of Virology* 125:621-625
- Glawe, D.A., T. Barlow, J. E. Eggers, and P.B. Hamm. 2010. First report of powdery mildew caused by *Leveillula taurica* of field grown-sweet pepper (*Capsicum annuum*) in the Pacific Northwest. *Plant Health Progress*: 8 July, 2010.
- Alderman, S.C., Walenta, D.L., and Hamm, P.B. 2010. Timing of occurrence of *Claviceps purpurea* ascospores in NE Oregon. *Plant Health Progress*: 23 November, 2010.
- Clough, G.H., S.I. Rondon, S.J. DeBano, N. David, and P.B. Hamm. 2010. Reducing tuber damage by the potato tuberworm (Lepidoptera: Gelechiidae) with cultural practices. *Journal of Economic Entomology* 103:1306-1311

### b. TECHNICAL REPORTS and OTHER NON-PEER REVIEWED ARTICLES

- Wu, B. M., P.B. Hamm, R. Affeldt, M.D. Butler, and R. Simmons. 2010. Effects of weather conditions on ergot in Kentucky bluegrass in central Oregon. Central Oregon Agricultural Research Center 2009 annual report, pages 5-10. (<http://oregonstate.edu/dept/coarc/2009-annual-report>)

## Hansen, Everett

### a. REFEREED JOURNAL ARTICLES

- Greslebin, A. and E. M. Hansen. 2010. Pathogenicity of *Phytophthora austrocedrae* on *Austrocedrus chilensis* and its relation with mal del ciprés in Patagonia. *Plant Pathology* 59: 604–612.
- Vaclavik, T., A. Kanaskie, E. Hansen, J. Ohmann, and R. Meentemeyer. 2010. Modeling potential vs. actual distribution of sudden oak death in Oregon: Prioritizing landscape contexts for early detection and eradication of disease outbreaks. *For. Ecol. Man.* 260 (2010) pp. 1023-1032.
- Manter, DK, EH Kolodny, EM Hansen, and JL Parke. 2010, Virulence, sporulation, and elicitin production in three clonal lineages of *Phytophthora ramorum*. *Physiol. Molec. Plant Path.* 74: 317-322.
- Reeser, PW, W. Sutton, EM Hansen, P. Remigi, and GC Adams. 2010. *Phytophthora* species in forest streams in Oregon and Alaska. *Mycologia*. Doi 10.3852/10-013.
- Mulvey, Robin; Hansen, Everett. 2010. *Castilleja* and *Pedicularis* Confirmed as Telial Hosts for *Cronartium ribicola* in Whitebark Pine Ecosystems of Oregon and Washington. *Forest Pathology*. doi: 10.1111/j.1439-0329.2010.00702.x
- Niklaus J. Grünwald, Frank N. Martin, Meg Larsen, Chris Sullivan, Caroline M. Press, Michael D. Coffey, Everett M. Hansen, and Jennifer L. Parke 2010. *Phytophthora*-ID.org: A sequence based *Phytophthora* identification tool. *Plant Disease* doi: 10.1094/PDIS-08-10-0609.
- C. Robin, D. Piou, N. Feau, G. Douzon, N. Schenck, E.M. Hansen. 2010. Root and aerial infections of *Chamaecyparis lawsoniana* by *Phytophthora lateralis* : a new threat for European countries. *Forest Pathology* doi:10.1111/jf-1439-0329.2010.00688x

## Hansen, Gayle

a. REFEREED JOURNAL ARTICLES

Boedeker, C., and Hansen, G. I. 2010. Nuclear rDNA sequences of *Wittrockiella amphibia* (Collins) comb. nov. (Cladophorales, Chlorophyta) and morphological characterization of the mat-like growth form. *Botanica Marina* 53: 351-356.

b. TECHNICAL REPORTS and other non-peer reviewed articles

Hansen, G. I. and Hanyuda, T. 2010. Seaweeds and Seagrasses. Pp. [21-25] In *Native, Cryptogenic, and Introduced Species of Oregon Estuaries: The PICES Rapid Assessment Survey*. By J. Chapman and T. Therriault. Oregon Sea Grant -- Report.

c. Contributions to BOOKS

Hansen, Gayle I. 2010. Oregon's Rare Seaweeds. Pp. 78-79, In *Rare, Threatened, and Endangered Species of Oregon*, Oregon Biodiversity Information Center, Institute for Natural Resources, Portland State University, Portland, Oregon. 105 pp.

**Ingham, Russ**

a. REFEREED JOURNAL ARTICLES

B.A. Charlton, R.E. Ingham, N.L. David, N.M. Wade, N. McKinley. 2010. Effects of in-furrow and water-run oxamyl on *Paratrachodorus allius* and corky ringspot disease of potato in the Klamath Basin. *Journal of Nematology*. 42:1-7.

**Ivanchenko, Maria**

a. REFEREED JOURNAL ARTICLES

Ivanchenko MG, Napsucialy-Mendivil S and Dubrovsky JG (2010) Auxin-induced inhibition of lateral root initiation contributes to root system shaping in *Arabidopsis thaliana*. *Plant J* 64, 740-752. (<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2010.04365.x/pdf> )

**Johnson, Kenneth**

a. REFEREED JOURNAL ARTICLES

Johnson, K. B. 2010. Pathogen refuge: A key to understanding biological control. *Annu. Rev. Phytopathol.* 48:41-160.

Stockwell, V.O., Johnson, K.B., Sugar, D., and Loper, J.E. 2010. Control of fire blight by *Pseudomonas fluorescens* A506 and *Pantoea vagans* C9-1 applied as single strains and mixed inocula. *Phytopathology* 100:1330-1339.

Johnson, K. B., and Mahaffee, W. F. 2010. Factors influencing epidemiology and management of blackberry rust in cultivated *Rubus laciniatus*. *Plant Dis.* 94:581-588.

**Kaye, Tom**

a. REFEREED JOURNAL ARTICLES

Wilson, B.L., V. Hipkins, and T.N. Kaye. 2010. One taxon or two: Are *Frasera umpquaensis* and *F. fastigiata* (Gentianaceae) distinct species? *Madrono* 57:106-119.

**Kentula, Mary**

a.REFEREED JOURNAL ARTICLES

Jacobs, A. D., M. E. Kentula, and A. T. Herlihy. 2010. Developing an index of wetland condition from ecological data: an example using HGM functional variables from the Nanticoke Watershed, USA. *Ecological Indicators* 10:703-712.

Sifneos, J., A. T. Herlihy, A. D. Jacobs, and M. E. Kentula. 2010. Calibration of the Delaware Wetland Rapid Assessment Protocol to a comprehensive measure of wetland condition. *Wetlands* 30:1011-1022.

b. TECHNICAL REPORTS and other non-peer reviewed articles

\*\*Mack, J. J. and M.E. Kentula. 2010. Metric Similarity in vegetation-based Wetland Assessment Methods. EPA/600/R-10/140. U.S. Environmental Protection Agency, Washington, D.C.

\*\* Peer-reviewed report.

**Liston, Aaron**

a. REFEREED JOURNAL ARTICLES

Shulaev, V., D.J. Sargent, R.N. Crowhurst, T.C. Mockler, O. Folkerts, A.L. Delcher, P. Jaiswal, K. Mockaitis, A. Liston et al. 2011. The genome of woodland strawberry (*Fragaria vesca*). *Nature Genetics* 43:109-116. Published online 26 Dec. 2010.

Whittall, J.B., J. Syring, M. Parks, J. Buenrostro, C. Dick, A. Liston, R. Cronn. 2010. Finding a (pine) needle in a haystack: chloroplast genome sequence divergence in rare and widespread pines. *Molecular Ecology* 19 (Suppl. 1): 100–114.

b. ARTICLES IN CONFERENCE PROCEEDINGS:

Meyers, S.C. and A. Liston. 2010. Characterizing the genome of wild relatives of *Limnanthes alba* (meadowfoam) using massively parallel sequencing. *Proceedings of the International Symposium on Molecular Markers in Horticulture. Acta Horticulturae* 859:309-314.

Njuguna, W., Cronn, R., Liston, A, Bassil, N. 2010. Multiplexed *Fragaria* chloroplast genome sequencing. *Acta Horticulturae* 859:315-321.

Parks, M., A. Liston, R. Cronn. 2010. Meeting the challenges of non-referenced genome assembly from short-read sequence data. *Proceedings of the International Symposium on Molecular Markers in Horticulture. Acta Horticulturae* 859:323-332.

**Loper, Joyce**

a. REFEREED JOURNAL ARTICLES

Hassan, K., Johnson, A., *Shaffer, B.T.*, Ren, Q., *Kidarsa, T.A.*, Elbourne, L., *Hartney, S.*, Duboy, R. Goebel, N., Zabriskie, M., Paulsen, I.T., and Loper, J. E. 2010. Inactivation of the GacA response regulator in *Pseudomonas fluorescens* Pf-5 has far-reaching transcriptomic consequences. *Environmental Microbiology* 12: 899–915.

Olcott, M. H., Henkels, M. D., Rosen, K. L., L.Walker, F., Sneh, B., Loper, J. E., and Taylor, B. J. 2010. Lethality and Developmental Delay in *Drosophila melanogaster* Larvae after Ingestion of Selected *Pseudomonas fluorescens* Strains, *Plos ONE* 5, e12504.

Mavrodi, D.V., Joe, A., Mavrodi, O.V., Hassan, K.A., Weller, D.M., Paulsen, I.T., Loper, J.E., Alfano, J.R., and Thomashow, L.S. 2010. Structural and Functional Analysis of the Type III Secretion System from *Pseudomonas fluorescens* Q8r1-96. *J Bacteriol.* PMID: 20971913

Stockwell, V.O., Johnson, K.B., Sugar, D., and Loper, J.E. 2010. Control of Fire Blight by *Pseudomonas fluorescens* A506 and *Pantoea vagans* C9-1 Applied as Single Strains and Mixed Inocula. *Phytopathology* 100:1330-1339.

Hartney, S.L., Mazurier S., Kidarsa, T.A., Quecine, M.C., Lemanceau P., and Loper J.E. (2011). TonB-dependent outer-membrane proteins and siderophore utilization in *Pseudomonas fluorescens* Pf-5. *BioMetals* DOI 10.1007/s10534-010-9385-2.

**Mahaffee, Walter**

a. REFEREED JOURNAL ARTICLES

Pfender, W. F., Gent, D. H., Mahaffee, W. F., Coop, L. B. and Fox, A. D. 2010. Decision aids for multiple-decision disease management as affected by weather input errors. *Phytopathology* DOI: 10.1094/PHYTO-05-10-0131.

b. TECHNICAL REPORTS and OTHER NON-PEER REVIEWED ARTICLES

Bailey, B., Stoll, R., Mahaffee, W.F., and Pardyjak, E.R. (2010) The impact of canopy geometry on particle dispersion gradients in sparse agricultural canopies. in AMS 29th Conference on Agricultural and Forest Meteorology (Keystone, Colorado), p 14.13.



## **Martin, Robert**

### a. REFEREED JOURNAL ARTICLES

- Alabi, O.J., Martin, R.R. and Naidu, R.A. 2010. Sequence diversity, population genetics and potential recombination events in Rupestris stem pitting-associated virus in Pacific Northwest Vineyards. *J. Gen. Virol.* 91:265-276.
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