Ali Sivitz, PhD

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**Qualifications**

* Exceptional molecular biology skills and works well in a variety of fast-paced labs with a variety of personnel
* Capable of running efficient, organized and effective lab spaces with maximum scientific output
* Advanced skills in Plant Biology, Genetics, -Omic analyses, Screening, Biofuels, Assay development and execution.
* Effective scientific communication skills demonstrated by numerous publications and oral presentations to diverse audiences

**Professional Experience**

2011-present Postdoctoral Researcher, Dartmouth College, NH

2009-2011 EMBO Postdoctoral Researcher, CNRS Montpellier, France

2008-2008 Research Scientist, Bio Architecture Lab, Seattle, WA

2007-2008 Postdoctoral Research Associate, University of Washington, WA

2003-2007 Research Assistant, University of Minnesota, MN

2001-2002 Lab Assistant, University of Iowa, IA

2001 Honors Undergraduate Research Assistant, University of Iowa, IA

2000 Howard Hughes Undergraduate Intern, University of Iowa, IA

**Education**

PhD, Plant Biological Sciences, University of Minnesota, Minneapolis, MN 2007

B.S., Biology, University of Iowa, Iowa City, IA, USA 2002

**Skills**

* **Review of scientific publications:** Review editor for Frontiers in Plant Science, Plant Physiology, and served as ad hoc reviewer for Trends in Plant Science, Plant Science, and Plant Physiology
* **Organization and planning of professional activities**: recruiting speakers and organization of seminar series in Montpellier, France, Active member of the Plant Biological Sciences Phytograd Group at the University of Minnesota: I planned events including charity soup lunches, departmental retreats, graduate student seminars, and social events
* **Bioinformatics**: Mount Desert Island Biological Laboratory Applied Bioinformatics Course 2012. I learned how to process large datasets in order to preform RNAseq and genomic analyses. MOOCs from Coursera and edX: I learned statistics and large dataset analysis in R.
* **Management training:** EMBO Laboratory Management Course 2010. I learned effective techniques for running a research group and how to motivate scientists.
* **Mentoring**: Alani Casey, North Carolina Central University student, ASURE intern, 2014; Todd Warczak and Weiwei Yang, Dartmouth MCB graduate students, 2013-2014; Sophie Chang, Volunteer Guerinot Lab, 2012-2013; Kristen Shaw, Jennifer Flynn, Meghan Johnson, Mackenzie Jones; University of Minnesota Undergraduate Students, Ward Lab, 2003-2007
* **Leading outreach programs**: Science fair Mentor and Judge at Murray Junior High School, 2003-2006; Scientist mentor PlantingScience.org, 2008; Caravane des Sciences Herault, France, 2010

# Publications

* **Sivitz AB,** Hermand V, Curie C, Vert G (2012) *PLoS ONE* 7(9): e44843.
* Reinders A, **Sivitz AB**, Ward JM. (2012) *Front Plant Sci.* 3: 22.
* Wargacki AJ, Leonard E, Win MN, Regitsky DD, Santos CN, Kim PB, Cooper SR, Raisner RM, Herman A, **Sivitz AB,** Lakshmanaswamy A, Kashiyama Y, Baker D, Yoshikuni Y. (2012) *Science.* 335(6066): 308-13.
* **Sivitz A**, Grinvaldi C, Barberon M, Vert G. (2011) *Plant Journal.* 66(6): 1044-52.
* Reinders A, **Sivitz AB**, Starker CG, Gantt JS, Ward JM. (2008) *Plant Mol Biol*. 68(3): 289-99.
* **Sivitz AB**, Reinders A, Ward JM. (2008) *Plant Physiol.* 147(1): 92-100.
* **Sivitz AB**, Reinders A, Johnson ME, Krentz AD, Grof CP, Perroux JM and Ward JM. (2007) *Plant Physiol.* 143(1): 188-198.
* Reinders A, **Sivitz AB,** His A, Grof CP, Perroux JM and Ward J. M. (2006) *Plant. Cell. Environ.* 29(10): 1871-1880.
* **Sivitz AB**, Reinders A, Ward JM. (2005) *Plant Cell Physiol*. 46(10): 1666-73.
* Shigaki T, Vyzasatya RR, **Sivitz AB**, Ward JM, Sze H, Hirschi KD. (2005) *Plant Mol Biol.* 58(1): 65-73.

# Presentations

* Poster: **Sivitz AB**, Guerinot ML. American Society of Plant Biologists. Providence, RI, 2013.
* Poster: **Sivitz AB**, Curie C, Vert G. The 16th International symposium on iron nutrition and interactions in plants. Amherst, MA, 2012.
* Poster: **Sivitz AB**, Curie C, Vert G. American Society of Plant Biologists. Montreal, Canada, 2010.
* Talk: **Sivitz AB**, Reinders A, Ward JM. 3rd Annual Plant Biological Science Retreat. University of Minnesota, 2007.
* Poster: **Sivitz AB**, Reinders A, Ward JM. 17th International Conference on Arabidopsis Research. University of Wisconsin, Madison, 2006.
* Talk: **Sivitz AB**, Reinders A, Johnson M, Ward JM. 2nd Pan American Plant Membrane Biology Workshop. South Padre Island, Texas, 2006.

**Awards**

2009-2011 EMBO Long-term Fellowship (two years of salary)

2006-2007 Doctoral Dissertation Fellowship, University of Minnesota Graduate School (one year of salary)

2006 Hamm Memorial Graduate Scholarship ($1500)

2004 and 2006 Plant Molecular Genetics Institute Travel Grant ($500)

2004, 2006, and 2007 Plant Biological Sciences Travel Grant ($500)

2003 Bernard and Jean Phinney Fellowship in Plant Biology (½ year salary)

2002-2003 Graduate School Fellowship, University of Minnesota (one year of salary)

**References:**

Current Postdoc Advisor:

**Mary Lou Guerinot**

Ronald and Deborah Harris Professor in the Sciences

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PhD Advisor:

**John M. Ward**

Associate Professor

University of Minnesota

Plant Biological Sciences

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Previous Postdoc Advisor:

**Gregory Vert**

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