

# Beth A. Lawrence

430 Lincoln Drive; Madison, WI 53706  
608-852-3595; balawrence@wisc.edu



## Education

- University of Wisconsin-Madison, Botany PhD student, 2006-present
- Oregon State University, MS Botany and Plant Pathology, 2005
- Cornell University, BS Natural Resources, Magna Cum Laude 2001

## Research & Teaching Experience

- Teaching Assistant: Ecology, Genetics, and Evolution (Biocore 301); UW-Madison (Fall 2008 & 2009)
- PEOPLE Program Instructor; UW-Madison (Summer 2009)
- Teaching Assistant: Introductory Biology (Bot 152); UW-Madison (Spring 2009)
- NSF IGERT Trainee- Biodiversity Conservation and Sustainable Development in Southwest China (2006-2007)
- NSF Graduate Research Fellow; Oregon State University (2003-2005); UW-Madison (2007-2008)
- Teaching Assistant: Introductory Biology; Oregon State University (Fall 2005)
- Plant Conservation Field Crew Leader; Institute for Applied Ecology (2002-2003)
- Biological Control Internship; CABI Bioscience, Switzerland (2001)
- Research Experience for Undergraduates; Institute for Ecosystem Studies (2000)
- Biological Control Research Technician; Cornell University (1999)

## Awards

- NSF Doctoral Dissertation Improvement Grant (2009)
- The O.N. Allen Fellowship; UW-Madison, Dept. of Botany (2009)
- Best Student Presentation; Society for Wetland Scientists Conference (2009), Society for Ecological Restoration Conference (2005)
- Davis Foundation Research Grant; UW-Madison, Dept. of Botany (2007, 2009)
- The Wetlands Foundation Travel Award (2008)
- Raper Travel Award; UW-Madison, Dept. of Botany (2007, 2008)
- Anita Summers Travel Grant; Oregon State, Dept. of Botany (2005)
- Native Plant Society of Oregon Field Research Grant (2004)
- Ecological Society of America Plant Population Ecology Travel Grant (2004)
- Bonnie C. Templeton Award for Plant Systematics; Oregon State, Dept. of Botany (2004)
- Morris K. Udall Scholar, Excellence in National Environmental Policy (2000)

## Publications (\*peer reviewed)

\*Lawrence, B.A. and T.N. Kaye. 2009. Reintroduction of *Castilleja levisecta*: Effects of ecological similarity, source population genetics, and habitat quality. *Restoration Ecology: In press.*

Lawrence, B.A., H. Wu, Q. Liu. 2009. Developing an interdisciplinary restoration plan for Napahai Wetland, Yunnan, China. *Ecological Restoration* 27: 18-20.

- \*Lawrence, B.A. and T.N. Kaye. 2008. Direct and indirect effects of host plants: Implications for reintroduction of an endangered hemiparasitic plant (*Castilleja levisecta*). *Madroño* 55: 151-158.
- \*Wagner, K., S. Gallagher, M. Hayes, B.A. Lawrence, and J.B. Zedler. 2008. Wetland restoration in the new millennium: Do research efforts match opportunities? *Restoration Ecology* 16: 367-372.
- \*Lawrence, B.A. and T.N. Kaye. 2006. Habitat variation throughout the historic range of golden paintbrush, a Pacific Northwest prairie endemic: Implications for reintroduction. *Northwest Science* 80: 140-152.
- Lawrence, B.A. and T.N. Kaye. 2005. Growing *Castilleja* for restoration and the garden. *Rock Garden Quarterly* 63: 128-134.
- Lawrence, B.A. 2005. Common garden studies to support golden paintbrush reintroduction in Oregon. *Bulletin of the Native Plant Society of Oregon* 38: 11, 18-19.
- \*Lawrence, B.A., F.C. Fisk, T.J. Fahey, and E.R. Suárez. 2003. Influence of non-native earthworms on mycorrhizal colonization of sugar maple (*Acer saccharum*). *New Phytologist* 157: 145-153.
- Lawrence, B.A. and T.N. Kaye. 2003. Vegetation survey of the Silver Creek Research Natural Area. Institute for Applied Ecology, Corvallis, Oregon and Bureau of Land Management, Medford, Oregon.
- Lawrence, B.A. 2003. Cook's Desert-parsley at the French Flat Area of Critical Environmental Concern. *Bulletin of the Native Plant Society of Oregon* 36: 97, 104-105.
- Kaye, T.N. and B. Lawrence. 2003. Fitness effects of inbreeding and outbreeding on golden paintbrush (*Castilleja levisecta*): Implications for recovery and reintroduction. Institute for Applied Ecology, Corvallis, Oregon and Washington Department of Natural Resources, Olympia, Washington.

## **Presentations**

### Oral presentations

- Accelerating tussock formation for sedge meadow restoration. Society for Wetland Scientists, June 2009, Madison, WI.
- Restoring an ecosystem engineer: *Carex stricta* tussock formation. University of Wisconsin-Madison Arboretum Science Day, March 2008, Madison, WI.
- Carex stricta* tussock formation: Effects of hydroperiod and nutrient addition. Wisconsin Wetlands Association, February 2008, Oconomowoc, WI.
- Restoring topographic heterogeneity to sedge meadows: *Carex stricta* tussock formation. University of Wisconsin-Madison Arboretum Science Day, May 2007, Madison, WI.
- What factors affect endangered plant reintroduction? Common garden experiments with golden paintbrush (*Castilleja levisecta*). University of Wisconsin-Madison Botany Colloquium, November 2006, Madison, WI.
- Predicting endangered species reintroduction success: common garden experiments with the golden paintbrush (*Castilleja levisecta*). Ecological Society of America, August 2005, Montreal, Quebec, Canada.
- Golden paintbrush (*Castilleja levisecta*) common garden studies: selecting seed sources and reintroduction sites to support recovery of an endangered prairie specie. The Society for Ecological Restoration, April 2005, Seattle, WA.

### Poster presentations

Restoring an ecosystem engineer: *Carex stricta* tussock composition and formation. Ecological Society of America, August 2008, Milwaukee, WI.

Biodiversity conservation and sustainable livelihoods: Napahai wetland, northwest Yunnan, China. IGERT -Sustainability Conference, October 2007, Fairbanks, AK.

An interdisciplinary approach to biological conservation and sustainable development in southwest China. Ecosummit, May 2007, Beijing, China.

Fitness effects of inbreeding and outbreeding on golden paintbrush (*Castilleja levisecta*): implications for recovery and reintroduction. The Ecological Society of America, August 2004. Portland, OR.

### **Service**

- Wisconsin Wetlands Association conference planning committee; 2008-present
- Department of Botany Graduate Committee student representative; 2008-present
- Active member of the Delta program - a research, teaching and learning community at UW-Madison; 2008-present
- Biocore Outreach Ambassadors volunteer-bringing inquiry based science to rural Wisconsin public schools; 2008
- Wisconsin Ecology Group graduate student representative; 2007- present

### **Professional Memberships**

- Ecological Society of America
- Graduate Women in Science
- Society for Ecological Restoration
- Society for Wetland Scientists
- Wisconsin Wetlands Association