

## **R. Matthew Ogburn**

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### **EDUCATION**

PhD. student, Ecology and Evolutionary Biology, Brown University. Proposed dissertation: "Evolution of succulent tissues and photosynthetic pathways in Portulacineae". September 2007 to present. Dr. Erika Edwards, adviser.  
M.Sc., Ecology, Evolution, and Systematics, University of Missouri – St. Louis. Thesis title: "Anatomical variation in Cactaceae sensu lato". August 2004 to June 2007. Dr. Peter Stevens, adviser.  
B.A., Biology, Macalester College. Thesis title: "Upregulation of substance P receptors in murine macrophages in response to chronic inflammation". September 1990 to May 1994. Dr. Lin Aanonsen, adviser.  
Exchange student, Karyo High School, Kudamatsu, Japan, August 1989 to July 1990.

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### **PUBLICATIONS**

R.M. Ogburn and E.J. Edwards. 2009. Anatomical variation in Cactaceae and relatives: trait lability and evolutionary innovation. *American Journal of Botany* 96: 391-408.  
Nyffeler, R., U. Eggli, R.M. Ogburn, and E.J. Edwards. 2008. Variations on a theme: repeated evolution of unusual life forms in the Portulacineae (Caryophyllales). *Haseltonia* 14: 26-36.

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### **TEACHING EXPERIENCE**

Teaching assistant, Plant ecophysiology, Brown University, January 2009 to present.  
Teaching assistant, Diversity and adaptation of seed plants, Brown University, August to December 2008.  
Teaching assistant, OTS Tropical Plant Systematics, Costa Rica, Summer 2008.  
Teaching assistant, Genetics lab, Brown University, September to December 2007.  
Missouri Science Teaching and Education Partnerships (MO-STEP) Fellow (NSF GK-12 grant), St. Louis, MO, August 2006 to July 2007 and August 2004 to July 2005.  
Teaching assistant, Introductory Biology lab, University of Missouri – St. Louis, January to May 2006.  
Teaching assistant, Ecology lab, University of Missouri – St. Louis, August to December 2005.

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### **PROFESSIONAL EXPERIENCE**

Research assistant, Toucan seed dispersal project, Tiputini Biodiversity Station, Yasuní National Park, Ecuador, October 2003 to February 2004. PI: Dr. Kimberly Holbrook.  
Research assistant, Primary succession project, Mt. St. Helens, WA, May 2003 to September 2003. PI: Dr. John Bishop.

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### **VOLUNTEER EXPERIENCE**

Trail crew volunteer, Klamath National Forest, Happy Camp, CA, May 2002 to September 2002.

Trip Leader, Wilderness Volunteers revegetation project, Olympic National Park, WA, September 2000, 2001, and 2002.

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### **PROFESSIONAL DEVELOPMENT COURSES**

MORPH Network Minicourse: “Investigating the evolution of plant form: Conceptual integration from the molecular to the ecological”, Boulder, CO, December 2007.

OTS Tropical Plant Systematics, Costa Rica, Summer 2006.

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### **FUNDING AND AWARDS**

Midwestern Association of Graduate Schools, Distinguished Master’s thesis award, 2008.

Sidney Frank Fellowship, Brown University Division of Biology and Medicine, 2008.

Missouri Science Teaching and Education Partnerships (MO-STEP) Fellowship, NSF, 2004-2005 and 2006-2007.

Pew Midstates Science Consortium Undergraduate Research Fellowship, 1993.

O.T. Walters Award, Macalester College, 1990.

Rotary Exchange Scholarship, 1989-1990.

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### **PRESENTATIONS AND PANELS**

“What graduate students and faculty want from a graduate school”, panel member, Midwestern Association of Graduate Schools conference, St. Louis, MO, April 2008.

“Anatomical variation in *Cactaceae sensu lato*”, ASPB and BSA Joint Congress, Chicago, IL, July 2007; Brown University EEB Seminar, September 2007; Harvard University Herbarium Seminar, February 2008.

“What’s in a name? Nomenclature, taxonomy, and systematics”, Henry Shaw Cactus Society, St. Louis, MO, February 2006.