

# **Adrienne Keller**

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## **EDUCATION**

**B.A. Biology**, Macalester College, St. Paul, MN, May 2006

*Thesis:* Microbial biomass and enzyme activity responses to elevated N and P deposition: a comparison between temperate and tropical soils

*Advisor:* Dr. Mark Davis

**B.A. Geography**, Macalester College, St. Paul, MN, May 2006

*Thesis:* A two-wheeled alternative: increasing bicycle transportation in the Twin Cities

*Advisor:* Dr. William Moseley

## **RESEARCH INTERESTS**

Ecosystem ecology

Biogeochemistry

Microbial ecology

## **HONORS, AWARDS AND PROFESSIONAL MEMBERSHIPS**

2006 William R. Angell Foundation Prize in Biology

2005 Dean's List, Macalester College

2005 MIAC All-Conference Academic Honor Roll

Founding Member of the Association for Environmental Studies and Science

## **RESEARCH EXPERIENCE**

Research Assistant. 9/2008 – Present. Dynamics of pathogen infection in whitebark pine ecosystems; spatial modeling of the spread of invasive leafy spurge. Paul Moorcroft, Department of Organismic and Evolutionary Biology, Harvard University

Research Assistant. 2007 – 2008. Phylogeny of teleost fishes; synaptic transmission in zebra fish. William Roberts, Department of Biology, University of Oregon.

Research Assistant. 2005 – 2006. Soil microbial community responses to nutrient availability; microbial biogeography. Sarah Hobbie and Jennifer Powers, Department of Ecology, Evolution, and Behavior, University of Minnesota

Field Assistant. 2005. Impact of land-use changes on wildlife populations in the Amazon basin. Wildlife Conservation Society, Ecuador.

Field Assistant. 2003. Ecology and movement of green sturgeon. Dan Erickson, Wildlife Conservation Society

## Adrienne Keller (cont.)

### **OTHER EXPERIENCES**

Science Teacher, Whiz Kids, Inc.

Boston, MA, 9/2008 – Present.

- Teach hands-on science modules to public school students
- Write and revise laboratory modules for entire teaching staff

Team Leader, Citizen Schools

Boston, MA, 2/2008 – Present

- Teach under-privileged, urban 8<sup>th</sup> grade students in academic after-school program
- Design and deliver effective and engaging lesson plans
- Collaborate closely with co-workers while independently managing and facilitating my own classroom

Trip Leader, The Experiment in International Living

Botswana, summers 2007, 2008

- Led groups of high school students on cultural exchange program in Botswana
- Organized and facilitated group activities and discussions
- Managed group budget and program logistics; established liaisons with in-country personnel

Volunteer, Environmental Law Alliance Worldwide

Eugene, OR, 2007 – 2008

- Translated emails and documents from environmental scientists and activists across the world from English to Spanish and Spanish to English

Program Assistant, The National Council for Science and the Environment

Washington, D.C., 2006 – 2007

- Coordinated programs and projects for, and communicated with, University Affiliate Program members and the U.S. Council of Environmental Deans and Directors
- Organized national meetings; managed variety of administrative tasks
- Assisted with grant research and writing

Intern, Great River Greening

St. Paul, MN, 2004

- Conducted literature review of prairie and woodland restoration techniques
- Developed annotated bibliography of sources to guide organization's restoration management practices and policies