

MIA M. HOWARD

EDUCATION:

2012. B.A., Biological Sciences (honors) and minor in Economics, Wellesley College, Wellesley, MA. Coursework included: Ecology, Biology of Plants, Genetics, Tropical Ecology, Probability & Statistics, Plant Biotechnology, Organic Chemistry, and Environmental & Resource Economics.

PROFESSIONAL EXPERIENCE:

2012-Present. Staff Scientist, Cambridge Environmental Inc., Cambridge, MA.

Fall 2011. Student Teaching Assistant, Wellesley College, Wellesley, MA. Assisted professors in grading assignments for an intermediate level genetics class.

Fall 2010 to 2011. Student Assistant, Wellesley College Botanic Gardens and Greenhouses, Wellesley, MA. Aided horticulturists in maintaining the outdoor gardens and greenhouse displays, landscaping, and invasive species removal.

Winter 2010 & High School. Volunteer, South Hennepin Adult Partners in Education, Bloomington, MN. Served as a teaching assistant and individual tutor for basic math, English as a second language, computer literacy, and GED preparation classes for adult learners.

RESEARCH EXPERIENCE:

2010-2012. Honors Thesis, Wellesley College, Wellesley, MA. Compared the relative photoprotective roles of nonphotochemical quenching and chloroplast movement across various plant species using light stress treatments and chlorophyll *a* fluorescence.
Independent Study. Perfected a method for quantitatively comparing the kinetics of nonphotochemical quenching across various plant species.

Summer 2010 and 2011. Research Intern, University of Minnesota, Department of Ecology, Evolution & Behavior, St. Paul, MN. Conducted independent research projects assessing the long-term efficacy of the biological control of purple loosestrife as part of the Life Sciences Summer Undergraduate Research Program. Responsibilities included performing tannin assays, designing and conducting feeding and oviposition choice tests with *Galerucella* beetles, field work, and data analysis.

Summer 2009. Research Intern, Melrose Institute, St. Louis Park, MN. Aided research department staff in collecting and managing data for three ongoing studies of eating disorder patients and treatment programs.

PRESENTATIONS AND SYMPOSIA:

Howard, M.M. (2012). Ruhlman Conference, Wellesley College, Wellesley, MA. Comparing the Photoprotective Importance of Chloroplast Movement and Nonphotochemical Quenching across Plant Species.

Howard, M.M. (2011). Tanner Conference, Wellesley College, Wellesley, MA. Chortling through Snorkels and Frolicking in the Rainforest: Experiences in Tropical Ecology.

Howard, M.M. (2011). Chortling through Snorkels and Frolicking in the Rainforest: Experiences in Tropical Ecology. University of Minnesota Summer Undergraduate Research Symposium.

Howard, M.M. (2011). Poster presentation Examining Biological Control Agent Preference for Purple Loosestrife (*Lythrum salicaria*) Populations in Minnesota, Ruhlman Conference, Wellesley College, Wellesley, MA.

Howard, M.M. (2010). Poster presentation "An Examination of the Photoprotective Mechanisms Utilized by a Variety of Plants, Life Sciences Summer Undergraduate Research Symposium, University of MN.

Howard, M.M. (2010). Poster presentation The Evolutionary Effects of Biological Control on Tannin Production in Invasive Populations of Purple Loosestrife (*Lythrum salicaria*).