

Julia E. Collins

jecollins4@wisc.edu

EDUCATION

University of Wisconsin, Madison, *degree expected May 2012*

Master of Science in Agroecology

Advisers: Dr. Timothy Allen, Dr. Teri Balsler

Boston University, Boston, MA, May 2008

Bachelor of Arts in Biology and English, *Summa cum laude*

RESEARCH EXPERIENCE

Research Intern, New England Aquarium, Research Department, Boston, MA, Jan -June 2010

Project Adviser, Dr. Randi Rotjan.

- Designed and implemented an experiment examining shell choice decisions of marine hermit crab, *Pagurus longicarpus*
- Organized and analyzed behavioral data in the context of resource distribution, vacancy chain theory, and population characteristics
- Maintained hermit crab experiment database and coordinated animal husbandry tasks

Research Volunteer, International Student Volunteers, Proyecto Carey, Costa Rica, June 2005

Principal Researcher, Pablo Riba Hernandez, MSc.

- Collected observational data and contributed to experimental design for study examining the role of primates and land crabs in Nutmeg tree seed dispersal and timber regeneration

RELATED EXPERIENCE

Seasonal Staff, Jones Family Farms, Shelton, CT, June- Aug 2007, Oct-Dec 2009

Farm Owners Terry and Jean Jones, Chef Sherry Swanson

- Educated customers about sustainable agriculture, local wine and food production, integrated pest management, and the history of family farms in CT
- Led cooking demonstrations featuring locally grown produce and assisted in culinary class preparations
- Instructed customers in harvesting techniques at "Pick-Your-Own" locations on the farm

Curriculum Developer/Workshop Collaborator, Boston University School of Education,

Boston, MA, June-Aug 2008

"Nature and Me" Project leaders Dr. Douglas Zook, Jennifer Reese

- Crafted botanical and ecological curricula to the elementary school level
- Developed and directed flower dissection lab
- Lead group discussions on ecology and curricula
- Collaborated on analytical observation activities in the Arnold Arboretum

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PRESENTATIONS AND OUTREACH

Invited Brownbag Seminar, New England Aquarium Learning Lab, 2010

“Switching the Prince with the Pauper: Exploring the Effect of Experience on Hermit Crab Shell Selection”

Women in Science Workshop, New England Aquarium Learning Lab, 2010

Led instruction of a group of 10 elementary school students in hermit crab biology and development of basic research techniques

“Edge of the Sea” Exhibit, New England Aquarium Galleries, 2010

Collaborated with NEAq Education Department to participate in an interactive exhibit featuring in-house research projects and marine ecology

Crimson Summer Academy Presenter, New England Aquarium, Research Dept., 2010

Engaged two groups of students in discussion of aquarium research and career options in the scientific fields

HONORS AND AWARDS

Dean’s List, 2004-2008

Departmental Award for Achievement in Biology, 2008

College Prize for Excellence in English, 2008

Phi Beta Kappa membership, 2008

Phi Beta Kappa Award, 2007

Humanities Foundation Award, 2007

First place Academy of American Poets Contest, 2007

Letter to the Editor published in *The New York Times*, and *The Little, Brown Reader*, 2006

University Scholarship, 2004

References available upon request

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