

CURRICULUM VITAE

Morgan Moeglein

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EDUCATIONAL BACKGROUND

Ph.D. Student Ecology & Evolutionary Biology - Brown University, 2014 - Present

B.S. Plant Biology – University of Vermont, 2010.

PROFESSIONAL EXPERIENCE

Lab Technician. Gehring Lab, Whitehead Institute, Cambridge, MA.

Used molecular cloning techniques to make transgenic *Arabidopsis thaliana* with GFP- tagged nuclei. Isolated tagged nuclei to study epigenetic changes in seed development. Monitored seed development using fluorescent confocal microscopy. Assembled the transcriptome of *Nymphaea thermarum*.

October 2010 – July 2014

Undergraduate Researcher. Barrington Lab, University of Vermont, Burlington VT.

Learned to identify a variety of New England and South American ferns. Developed novel fluorescent microscopy techniques to measure nucleus size in ferns. Wrote and defended an undergraduate thesis on the correlation between ploidy and nuclear diameter in the fern genus *Polypodium*.

October 2007 – May 2010

Study Abroad Student. Round River Conservation Studies, Ecuador.

Carried out plant and animal studies for an American non-profit in collaboration with an Ecuadorian environmental group. Collected plant specimens for use in the Barrington lab.

January 2009 – April 2009

AWARDS AND HONORS

Harvey Lodish Education Award (for the Whitehead Institute affiliate who has made the most significant contributions to education and outreach programs) 2013

Honors College Scholar (for successful defense of an undergraduate thesis and completion of coursework beyond the required curriculum) 2010

Sproston Award (grant for excellence in undergraduate research in plant biology) 2008

SERVICE AND OUTREACH

Whitehead Partner. Whitehead Institute, Cambridge, MA.

Attended and discussed lectures with middle school science teachers in order to promote integration of current research into the middle school curriculum. Visited schools to teach basic plant biology.

October 2011 – July 2014

Volunteer. Massachusetts Biotechnology Job Shadowing Day, Whitehead Institute, Cambridge, MA. Demonstrated lab techniques for high school students interested in pursuing science related careers.

June 2011 - June 2014