

ZOE GETMAN-PICKERING

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Education

Cornell University Ithaca, NY
Doctoral Student
Advisor: Dr. Jennifer Thaler
Department of Entomology

Hampshire College Amherst, MA
Bachelor of Art, May 2013
Concentration: Evolution in Invasion Ecology

Publications

Getman-Pickering, Z., ter Horst, C., Magnoli, S., Lau, J. 2018 "Evolution of increased *Medicago polymorpha* size during invasion does not result in increased competitive ability". *Oecologia*

Shelef, O., Hahn, P., Getman-Pickering, Z., Martinez Medina, A. Coming to common ground: ecological concepts in rhizosphere interactions. *Frontiers in Plant Sciences* (in review)

Previous Research Experience

Kellogg Biological Station; Lab Technician June-November 2013 | Hickory Corners, MI
Conducted independent research testing the effects of biocontrols on the rapid evolution of invasive *Lythrum salicaria* with a focus on reduced competitive ability. Censused plant phenology for a project testing the effects of climate change related temperature elevation on the survival and phenology of native and invasive prairie species.

Kellogg Biological Station; REU Intern Summer 2012 | Hickory Corners, MI
Conducted independent research testing the effects of evolution on direct interactions of invasive plants. Assisted with further research projects being conducted by Dr. Jennifer Lau on the effects of global climate change on plant evolution. Presented results to the faculty and staff of KBS.

Adler Lab at the University of Mass at Amherst; Research Assistant Spring 2012
Assessed the impact of the secondary compounds caffeine, gelsemine and amygdalin in nectar on parasite loads in bumblebees with the project "Effects of *Crythidia* on *Bombus impatiens*

pharmacophagy”. Duties included bee caring and handling, inoculation, and dissection as well as colony dissection and parasite load counting.

Teaching Assistant

Insect Ecology, Cornell University	Fall 2016
Applied Statistics, Cornell University	Spring 2017

Outreach

Grasshopr Spring 2015--Present
Developed and taught a set of 4 lessons on insect biology and ecology for a total of 11 different 2nd grade classrooms over the course of 4 years.

Project Biodiversity October 2018
Worked with Project Biodiversity to adapt and present a lecture and workshop on Inclusive and Accurate Approaches for Teaching Sex and Gender in Biology for STEM researchers at Cornell.

Letters to a Pre-Scientist September 2018-Present
Pen-pal to a 6th grade student in a low income area to demystify science as a field and career.

Expanding your Horizons April 2015-2018
Organized and ran an insect zoo to give students hands on experience with insects and expose middle school girls to STEM careers. Volunteered with the bug zoo in 2015 and 2016. Organized and ran it in 2017 and 2018.

Claymation October 2017
Produced a claymation video with Maxwell Hemburger on plant-mycorrhizae interactions.
<https://www.youtube.com/watch?v=nKQ6daQ648I>

Presenter , New York State Fair, Syracuse, NY	Aug. 2017
Presenter , Big Brother Big Sister Ithaca	May 2017
Presenter , Ithaca Montessori School, Kindergarten	May 2017
Presenter , Southern Cayuga Central School District, First grade	May 2017

Insectapalooza Oct. 2014-2017
Helped organize and run an one day annual insect fair to share entomology with the surrounding communities.

Journal of Irreproducible results
Getman-Pickering, Z. 2017 Glycolysis: A poem in the style of The Raven by Edgar Allan Poe.
Journal of Irreproducible Results.

I'm a Scientist USA May 2015

Competed in an online, X-factor style, science communication competition. I spent two weeks answering questions and talking with 8-18 year-old students across the country about science and what it is like to be a scientist.

https://www.youtube.com/watch?time_continue=131&v=5pXGBOOrHrUM

Extracurricular and Professional Involvements

LeafByte; Co-founder

Dec. 2017-Present

Designed and helped build a mobile application for fast and accurate quantification of leaf area and herbivory. Released on iOS in October 2018.

Entomological Society of America; Member

2014-Present

Attended Fall 2014 (Portland) and 2015 (Minneapolis) conference. Presented a talk at ICE in 2016 and poster at ESA 2017.

GRC Plant Herbivore Interactions;

January 2017

Presented poster at conference in Ventura CA. Poster was on the role of mycorrhizae in the competition-defense tradeoff.

Ecological Society of America; Member

2011-2018

Attended summer 2011 (Austin, TX) and 2012 (Portland OR) conference. Presented at summer 2013 (Minneapolis, MI) conference.

Mental Health Committee; Chair

May. 2018-Present | Cornell University,

NY Started and chaired a committee to improve graduate student mental health and department support for good mental health. Created and analyzed surveys, organized workshops for faculty and students, and compiled a report with recommendations and best practices for department.

Diversity Preview Weekend; Member

Aug. 2014-Present | Cornell University, NY

Member of multi-departmental initiative to create a Diversity Preview Weekend to recruit more diverse applicants to Cornell graduate programs. Involved in logistics and planning of events and development of the program.

Entomology Awards Committee; Member

Fall 2015-Fall 2018 | Cornell University,

NY Student representative on committee which organizes the nomination of individuals within the department for both internal and national awards.

Jugatae; Member

Aug. 2014-Present | Cornell University, NY

Member of Department of Entomology graduate student group. Chaired various committees.

North East Natural History Conference; Presenter

April 2013 | Springfield, MA

Gave oral presentation "Evolution of increased biomass does not result in increase competitive ability during invasion".

Grants

NSF GRFP	2014-Present
Griswold Fund-\$700	2017
Mellon Grant-\$1000	2017
Mellon Grant-\$1000	2016
Cornell Sigma Xi-\$600	2016
Griswold Fund-\$1677	2016
Justine Salton Memorial Fund \$830	2013
Ray and Lorna Coppinger Fund \$500	2013

Travel grants

Graduate school-\$515 to attend ESA	
Rawlins Fund -\$1000, to attend for Plant Herbivore Interactions-GRC	2017
GRC-\$490, to attend for Plant Herbivore Interactions-GRC	2017
Rawlins Fund-\$700, To attend ICE	2016
Cornell Graduate School-\$360 to attend ICE	2016
Rawlins Fund-\$600 To attend The ESA National Meeting	2015