

## ZOE GETMAN-PICKERING

325 CASCADILLA ST.  
ITHACA, NY 14850  
[zg94@cornell.edu](mailto:zg94@cornell.edu)  
@herbivory1  
(845) 750-5352

---

### 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-Nov 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 UMass Amherst; Research Assistant** Spring 2012 | Amherst, MA  
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  
Applied Statistics, Cornell University

Fall 2016  
Spring 2017

---

**Outreach**

---

**GRASSHOPR**

Spring 2015-Present

Developed and taught a set of 4 lessons on insect biology and ecology to each of 11 different 2nd grade classrooms over the course of 4 years.

**Project Biodiversity**

Oct 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**

Sept 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**

Oct 2017

Produced a [claymation video](#) with Maxwell Hemburger to educate the public on the importance of plant-mycorrhizae interactions.

**Presenter**, LifeLong

Oct 2018 | Ithaca, NY

**Presenter**, New York State Fair  
Syracuse, NY

Aug 2017|

**Presenter**, Big Brother Big Sister

May 2017| Ithaca, NY

**Presenter**, Ithaca Montessori School, Kindergarten

May 2017| Ithaca, NY

**Presenter**, Southern Cayuga Central School District, First grade

May 2017| Ithaca, NY

**Insectapalooza**

Oct 2014-2017

Helped organize and run an one day annual insect fair each year 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 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](#).

---

## Extracurricular and Professional Involvements

---

**LeafByte; Co-creator and Product Manager** 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.

**Gordon Research Conference on Plant Herbivore Interactions; Poster** January 2017  
Presented poster at conference in Ventura CA on the role of mycorrhizae on competition-defense tradeoffs in tomato plants.

**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



