

Emily Kearney

1093 Alcatraz Ave Apt. #4
Oakland, CA 94608

860-388-7839
eekearney@gmail.com

Education:

University of California, Berkeley, Berkeley, CA 2013 - present
Ph.D. Candidate Department of Environmental Science, Policy and Management

Cornell University, Ithaca, NY 2008 - 2012
B.S. in Ecology and Evolutionary Biology College of Agriculture and Life Sciences

- Minor in Latin American Studies
- *Magna cum laude*
- Distinction in Research

Publications:

Agrawal A, Kearney E, Hastings A, Ramsey T. 2012. Attenuation of the jasmonate burst, plant defensive traits, and resistance to specialist monarch caterpillars on shaded common milkweed (*Asclepias syriaca*). *J Chem Ecol* 38: 893-901.

Presentations and Posters:

Kearney, E. Hedging our bets: How do hedgerows affect native crop-pollinating bees? ICCB/ECCB. Montpellier, France. August 2015.

Kearney, E. Hedging our bets: How do hedgerows affect native crop-pollinating bees? (poster) Bee Symposium, UC Davis, CA. May 2015.

Kearney, E. Many Flowers, Few Fruits: A pilot field season in the chocolate fields of Ecuador. Summer Grantee Symposium, Center for Latin American Studies. UC Berkeley, CA. September 2014.

Academic Honors, Awards and Grants:

- National Science Foundation Graduate Research Fellow – 2014-2017
- Graduate Women in Science Fellow – 2014-2016
- Sigma Xi (Berkeley Chapter) Grants-in-Aid of Research Grant – May 2014
- Center for Latin American Studies Summer Travel Grant – March 2014
- Chancellor's Fellowship, UC Santa Cruz, 2013- 2014 - Declined
- Graduate Scholars Fellowship, UC Davis, 2013 -2014 – Declined
- NSF Graduate Research Fellowship Program 2013 - *Honorable Mention*
- Dean's List, Cornell University (2008-2012)
- Boston University Merit Scholarship for Study Abroad Experiences (Spring 2011)

Professional Experience:

Research Intern Max Planck Institute for Chemical Ecology, Jena, Germany
PI: Dr. Daniel Giddings-Vassão
October 2012 – July 2013

- Characterizing glucosinolate metabolism in two generalist insect herbivores (*Spodoptera littoralis* and *Mamestra brassicae*) using stable isotope labeling, radioactive labeling, and LC-MS

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- Supervised and mentored a four person team, composed of three local women and one recent American graduate, in the field collecting data and samples, and encouraging scientific engagement with the project

Private Tutor

Wyzant, Berkeley, CA

Aug. 2013 - Current

- Teaching biology, statistics and chemistry to high school and college students in one-on-one sessions

Math and Reading Tutor

1-on-1 Learning with Laptops, Richmond, CA

Jan. 2014 – June 2014

- Tutoring middle and high school students in Common Core math and reading skills

Science and Math Tutor

Upward Bound, Cornell University, Ithaca, NY

Feb. 2009 – May 2012

- Tutoring high school students in math and science in groups of 2-3 students

SAT Tutor

Let's Get Ready, New Haven, CT

June and July 2009

- Teaching SAT math skills to high school students in small classes of 8-10 students

Outreach Engagements:

Sees The Day: The diversity and importance of our native pollinators. Elementary school students at summer camp. July 2016.

Kids for the Bay: The diversity and importance of our native pollinators. Elementary school students at summer camp. July 2016.

Earth Day @ the Gill Tract Community Farm: How to support our native pollinators in your backyard. Community members visiting the Gill Tract. April 2016.

Sees the Day: The diversity and importance of our native pollinators. E. Kearney. Elementary school students at summer camp. June 2015.

Dinner with a Scientist: How do you become a scientist? Middle school students at a CRS-hosted dinner. May 2015.

Rosa Parks Elementary School: Biomes of the World. Elementary school students in science class. May 2015.

Washington Elementary School: Biomes of the World. Elementary school students in science class. May 2015.

Longfellow Middle School: Natural Selection and Evolution: A BASIS Lesson. Middle

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school students in science class. April 2015.

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Occupy the Farm Day @ the Gill Tract Community Farm: The diversity and importance of our native pollinators. Community members visiting the Gill Tract. October 2013.