

**Katherine Akemi Odanaka**  
19717 Los Pinos Drive, Walnut, CA 91789  
cell phone: (909) 374-5446  
email: katherine.odanaka@gmail.com  
www.katherineodanaka.wixsite.com/kodanaka

## **Education**

---

**Master of Science, Integrative and Organismal Biology** Aug 2017 –May 2019  
College of Life Sciences and Agriculture, University of New  
Hampshire, Durham, NH

**Bachelor of Science in Zoology, minors in Entomology and Japanese** May 2014  
College of Natural Sciences, Colorado State University, Fort Collins, CO

## **Research Experience**

---

**Graduate Research Assistant** Aug 2017 -present  
University of New Hampshire, Durham, NH

- Determined phylogenetic structure of wild bee communities across farm and forest landscapes in New England
- Field work to collect wild bees in Queensland, Victoria, and South Australia
- Collected, pinned, labeled, and identified bees to species

**Technician, Integrated Crop Pollination Project (ICP)** April 2015-April 2017  
Michigan State University, East Lansing, MI

- Database entry of Michigan, US, and North American pesticide, bee location and species identification for International Integrated Crop Pollination Project
- Collected wild bees and blueberry fruit and seed set quantification
- Hand pollinated blueberry flowers and regional floral identification to species
- Lab-reared bumble bee colonies, forager monitoring, and colony census
- Mason and leaf cutter bee nest census and chemical attractant spraying
- Honey bee hive assessments for the Michigan Beekeepers Association
- Wild bee identification to species for longleaf pine restoration study
- Identification of Coleoptera and Lepidoptera to family, Odonata to genus, and Diptera and Hymenoptera to species

**Field Technician, Native Pollinator Project** May-Aug. 2012 & 2013  
United States Geological Survey (USGS), Fort Collins, CO

- Collected bees using blue vane traps and sweep nets in eastern Colorado
- Sorted, pinned, and identified bees to species
- Recorded weather data, GPS location, number of specimens and bee species
- Assisted with the set up and removal of field equipment

## Publications

---

**Odanaka K**, Hall J, Nooten S, Rehan S (2018) *Wild bees of New England: A guide to common pollinators and flowers*. 120 pp.

**Odanaka K**, Rehan S. (2018) Wild bee distribution near forested landscapes is dependent on land use. *Journal of Insect Conservation*, In review

**Odanaka K**, Gibbs J, Turley N, Isaacs R, Brudvig LA (2018) Canopy thinning, not agricultural history, determines early responses of wild bees to longleaf pine savanna restoration. *Journal of Restoration Ecology*, In revision

**Odanaka K**, Rehan S (2018) Impact indicators: effects of land use management on wild bee functional diversity. In prep for *Agriculture, Ecosystems, and the Environment*

## Presentations

---

**Odanaka K**, Rehan S (November 2018) Use of phylogenetic diversity as an aid in wild bee conservation. Oral presentation, Entomological Society of America, Vancouver, Canada

**Odanaka K** (October 2018) Diversity, decline, and sustainability of native bees, Invited guest lecture, Animals and Society ANSC 401, University of New Hampshire, USA

**Odanaka K**, Rehan S (Nov 2017) Stability of wild bee communities in successional landscapes. Poster presentation, Entomological Society of America, Denver, CO, USA

**Odanaka K** (October 2017) Diversity, decline, and sustainability of native bees, Invited guest lecture, Animals and Society ANSC 401, University of New Hampshire, USA

**Odanaka K** (September 2017) Diversity, decline, and sustainability of native bees, Invited guest lecture, first year seminar, Plymouth State University, NH, USA

**Odanaka K**, Gibbs J, Turley N, Isaacs R, Brudvig L (June 2016) The effects of longleaf pine savanna restoration on bee diversity. Oral presentation, 62<sup>nd</sup> Annual Michigan Entomological Society Meeting, Bellaire, MI, USA

**Odanaka K**, Gibbs J, Turley N, Isaacs R, Brudvig L (March 2016) Longleaf pine savanna restoration increases native bee diversity. Poster presentation, Plant Science Graduate Student Research Symposium 2016, East Lansing, MI, USA

Gunderson K, Gibbs J, Kowitz C, **Odanaka K**, Quinlan G, Isaacs R (November 2015) Foraging activity and pollination by managed colonies of *Bombus impatiens* (Hymenoptera: Apidae) in highbush blueberry (*Vaccinium corymbosum*). Poster presentation, Entomological Society of America 2015, Minneapolis, MN, USA

**Awards**

---

NSF GRFP Honorable Mention, University of New Hampshire	April 2018
Western Undergraduate Exchange (WUE), Colorado State University	Aug. 2010-May 2014

**Professional Memberships**

---

Women in Science	Aug 2018-present
Entomological Society of America	July 2017-present
The Xerces Society	Oct. 2014-present

**Volunteer Service**

---

Earthday Festival: Bee Empowered, NH Audubon Society, Auburn, NH	April 2018
Bioblitz, Seacoast Science Center Bioblitz, Portsmouth, NH	Sept. 2017 & 2018
Green Break Camp, Lincoln Brick Park, Grand Ledge, MI	April 2017
STEM Outreach, Pattengill Middle School; Lansing, MI	Feb. 2017
Blitz the Bear Bioblitz, Sleeping Bear Dunes National Lakeshore, Empire, MI	Sept. 2016
Bioblitz, Susan Creek Nature Preserve, Charlevoix, MI	June 2016
Beepalooza, East Lansing, MI	June 2016 & 2015
Science Olympiad Entomology Test Grader, East Lansing, MI	May 2015
Natural History Museum of Los Angeles County	Dec. 2014-April 2015
Weather and Science Day, Denver, CO	April 2014
Gillette Entomology Club, Fort Collins, CO	Fall 2011-Fall 2013

**Personal Interests**

---

Insect collecting and collection maintenance  
Large costume fabrication – robotic characters  
International travel – Australia, Costa Rica, Denmark, Estonia, Finland, France, Germany, Italy, Japan, Russia, Spain, Sweden