

# Natalie Fischer

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## Education

September 2017- Present. PhD student. NSF GRFP Fellow & NICE Fellow. Entomology Department at the University of California, Riverside.

June 2017. B.S. in Biology *Cum laude*. University of California, Riverside. Chancellor's Honors List (2016- 2017); Dean's Honors List (2015-2017).

## Awards & Fellowships

- Sigma Xi Grant in Aid of Research. June 2020. (\$1,000)
- The Rocky Mountain Biological Laboratory Graduate Research Fellowship. July-August 2019. (\$475)
- The National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP). 2018-2022.
- National Science Foundation Research Traineeship (NRT) for Integrated Computational Entomology (NICE) Fellowship. 2018-2022.
- Mildred E. Mathias Graduate Research Grant through the University of California Natural Reserve System. December 2017. (\$3,000)
- UC Riverside Chancellor's Award for Excellence in Undergraduate Research (given to two graduating seniors per year). May 2017. (\$500)
- Hasegawa Memorial Fund, a scholarship through UC Riverside. April 2017. (\$4,100)
- Honorable Mention on NSF Graduate Research Fellowship Program (GRFP) application. March 2017.
- UC Riverside Undergraduate Research Mini-Grant. January 2017. (\$1,000)
- NSF Research Experiences in Integrated Computational Entomology (REU) Fellowship. June – September 2016.

## Presentations

### *Oral presentations*

**Natalie Fischer** 2018. *Bumble bee energetics: Energy availability and regulation*. Presentation given at the Entomological Society of America's annual meeting, Vancouver, BC, Canada. November 2018.

**Natalie Fischer** 2018. *Nutritional effects on bumble bee development, energetics and pollination services*. Given at the UC Riverside Entomology Department's Student Seminar, Riverside, CA. September 2018.

### *Invited talks*

**Natalie Fischer** 2019. *The effects of imidacloprid on bumble bee sugar metabolism*. Lightning talk during a Conservation Physiology seminar at the Bombuss 2.0 conference, Toronto, Canada. October 2019.

**Natalie Fischer** and Hollis Woodard 2018. *Bumble bee nutritional biology: the effects on physiology and behavior*. Oral presentation given at the North American headquarters for Bayer's crop science division, Durham, North Carolina. March 2018.

**Natalie Fischer** and Hollis Woodard 2017. *Examining bumble bee pollen foraging in the Arctic: a comparison between species and castes along a latitudinal gradient*. Oral presentation given at the Pacific Branch of the Entomological Society of America's annual meeting, Portland, Oregon. April 2017.

### **Posters**

**Natalie Fischer**, Alex Brinkley and Hollis Woodard. 2019. *The effects of imidacloprid on bumble bee (*Bombus impatiens*) sugar metabolism*. Poster presentation at the UC Riverside Entomology Student Seminar, Riverside, California. September 2019.

**Natalie Fischer** 2017. *Buzz pollination in bumble bees: nutritional and energetic mechanisms underlying behavior*. Poster presentation given at the UC Riverside Undergraduate Research Symposium, Riverside, California. May 2017.

**Natalie Fischer** and Hollis Woodard. 2016. *Nectar quality preference in young bumble bee (*Bombus impatiens*) queens*. Poster presentation at the UC Riverside Entomology Student Seminar, Riverside, California. September 2016.

**Natalie Fischer** and Hollis Woodard. 2016. *Nectar quality preference in young bumble bee (*Bombus impatiens*) queens*. Poster presentation at the Pacific Branch of the Entomological Society of America's 100<sup>th</sup> annual meeting, Honolulu, Hawaii. April 2016.

### **Public Outreach and Leadership Experience**

- **Chair of the Entomology Graduate Student Association (EGSA) Social Committee.** Oct 2019-present. Duties include planning and organizing social events for the Entomology Department at UC Riverside. The social events promote science discussions, cooperation and stress relief within the department.
- **Member of the EGSA Outreach Program.** Sep. 2017-present. I have participated in over 200 hours of outreach by planning and working departmental events. Some of these events include touch-a-bug, classroom visits, material/ curriculum development, and UC Riverside's Annual Insect Fair. Minimum of 12 hours of outreach annually.
- **Volunteer for the UC Riverside Entomology Department's "Little Entomologists" summer camp.** June 25-29, 2018. I was a member of a team that organized the summer camp and developed a curriculum. As a group leader, I participated in teaching and interacting with the kids.
- **Co-leader of fieldwork team for collecting trip.** July 2017. Fairbanks, Alaska and surrounding areas. I helped train team members to catch bumble bees, properly store them, and record data. Supervisor: Dr. Hollis Woodard.

## **Societies**

- Entomological Society of America (ESA). 2015-present.