Jessica Anne Greer

1072 Academic Surge
One Shields Ave, Davis, CA, 95616

Email: jessicagreer34@gmail.com
Phone: 541-829-2325

EDUCATION

Graduated *magna cum laude* from Oregon State University, Corvallis, OR

- B.S. in Natural Resources with a focus in Fish and Wildlife Conservation

RESEARCH INTERESTS

Avian and pollination ecology

Climate change and adaptive capacity of wildlife and ecosystems

Behavioral ecology

Community ecology

Conservation genetics

RESEARCH EXPERIENCE

2017 **Independent Project, Archbold Biological Station**
Investigating the effect of family social structure on the food-caching and pilfering decisions of the Florida Scrub-Jay, Venus, FL

- Measured effort of food-cache concealment and rate of food-cache pilfering by jays within family groups to understand how social dynamics influence resource access and use.

2015 **Independent Project, Point Blue Conservation Science**
Understanding the hummingbird-plant visitation network at Point Reyes Bird Observatory, Bolinas, CA

- Using pollen carried by mist-netted hummingbirds in combination with observations of hummingbird-plant interactions to describe the visitation network between the birds and plants.

2013-2014 **Undergraduate Research Assistant, M. Betts Lab,** Department of Forest Ecosystems and Society at OSU, Corvallis, OR

- Analyzed pollens samples to elucidate food web connections between individual pollinator and plant species.

- Trained and supervised undergraduate research assistants working on project and managed group data.
- Coordinated the *Hummingbird Citizen Science Project* outreach program, including preparing educational information for 3rd-12th grade classrooms and presenting in classrooms.
- Assisted with hummingbird capture for banding as part of the larger Hummingbird Monitoring Network project.

2012-2013 **Undergraduate Laboratory Assistant, S. Strauss Lab**, Dept. of Forest Ecosystems and Society at OSU, Corvallis, OR
- Tissue culture, DNA isolation, media preparation, dish washing and greenhouse work.

2010-2011 **Undergraduate Research Assistant, S. Ralph Lab**, Department of Biology at University of North Dakota, Grand Forks, ND.
- Carried out a variety of insect feeding bioassays; analyzed and presented data; maintained experimental trees within the greenhouse and environmental chambers; assisted in air-layering propagation of trees and insect larvae rearing.

RESEARCH PRESENTATIONS

2017 **Archbold Public Research Seminar***, Mine, Yours or Ours: The Effect of Family Social Structure on the Food-caching and Pilfering Decisions of the Florida Scrub-Jay* and collaborative project *Learning Where to Store Your Food: Microsite Caching Preferences of Yearling and Experience Florida Scrub-Jays*.

2015 **Point Blue Conservation Science Presentation**, *Understanding the Palomarin Field Station Hummingbird-plant Pollination Network*.

2014 **RAFWE Symposium**, *Putting Observational Hummingbird-plant Pollination Networks to the Test*.

2011 **North Carolina A&T State University 25th Annual Ronald E. McNair Commemorative Celebration**, *The Search for Insect Resistance Genes in the Model Tree Poplar.*

MANUSCRIPTS IN PREPARATION

Fuirst, M., **Greer, J.A.**, and Bowman, R. 2019. Optimizing your investment: Evidence for cache site selection in young Florida Scrub-Jays. For *Journal of Field Ornithology*.

VOLUNTEER AND FIELDWORK POSITIONS

2019 **USDA-ARS Pollinating Insect Field Technician** through Logan, UT**:** Paint-marking and monitoring of both wild and captive populations of blue orchard bees to understand phenology and dispersal differences between Utah and California subspecies.

2018, 2019 **Biological Science Technician** at MSU**:** Sampling of commercial bumblebee pollen at blueberry farms for identification and pesticide residue analysis, pan-trapping of pollinators at farms throughout Michigan, netting of bees in natural systems, surveying wildflower plantings, curation of bees, data entry, and protocol writing.

2018 **Short-term Field Assistant** at UC Davis: Monitoring and weeding of wildflower plantings, sampling of insect pollinators around almond orchards, curation of insect and plant specimens, data entry/proofing, and microscopy work to identify collected pollen.

2017 **Avian Ecology Intern** at Archbold Biological Station: Monitoring and census of color-banded Florida Scrub Jays, trapping of adults, nest searching, behavioral observations, public outreach and development of educational activity, and independent project.

2017 Judge at the Heartland Regional Science and Engineering Fair.

2016 **Biological Field Technician** at OSU: Avian point counts using GPS to navigate, capture and banding of hummingbirds, maintenance of RFID readers and feeder stations in alpine meadows, surveying nectar plants and developing a field floral ID guide, temperature logger maintenance, and data management.

2016 **Tropical Hummingbird Pollination Field Technician** through OSU: Hummingbird mist netting and banding, tracking of hummingbirds with telemetry, trail camera set-up and maintenance, flower and pollen collection, pollen ID, and data management.

2015-2016 **Biological Research Technician** at OSU: Douglas-fir tree branch/disk aging and processing, drying and weighing of tree samples, needle fungus ID and quantification, and data entry.

2015 **Bird Banding Intern** at Point Blue Conservation Science: Extracted and banded 500 birds, avian surveys with color-band re-sighting, phenology monitoring, public outreach, and independent project.

2013 **Student Teaching Assistant** for Botany 321: *Plant Systematics.*

AWARDS AND HONORS

2019	NSF Graduate Research Fellowship Program – Awarded.
2018	NSF Graduate Research Fellowship Program – Honorable Mention.
2014	BoV and SEEDS Mentored Work Experiences for College of Forestry Students.
2013	Honor's College DeLoach Work Scholarship.
2013	College of Forestry Glenn and Josephine Thompson Scholarship.
2012	John W. DeMuth Forestry Scholarship.
2011	Barry M. Goldwater Scholar.
2011	UND Edith Larson Outstanding Biology Undergraduate Award.
2011	The North Dakota State Chapter of the Wildlife Society Undergraduate Award.
2010-2011	U.S. Department of Education TRIO Program, Ronald E. McNair Scholar.
2010-2011	NSF Research Experience for Undergraduates summer research award.
2010	UND TRIO student award.

RELEVANT COURSES

- Ecological Restoration – restoration plan and presentation*, Planning for Pollinators: Improving Invertebrate Pollinator Diversity in Intensively Managed Forest Ecosystems.*
- Conservation Biology – research project and presentation, *Giant Kangaroo Rat Management Plan.*
- Plant Biology - research project and presentation, *Seed Dispersal: Methods, Mechanisms and Mutualism.*
- Ornithology - research project and presentation, *The Great Argus Pheasant.*

UNDERGRADUATE SOCIETIES

2012-2014 **Founder and President** (2012-2013**); Secretary** (2013-2014)**,** *Oregon State Bird Nerds* student group.

- Headed monthly member meetings and weekly officer meetings.
- Led weekly field trips with group to identify and learn about bird life history.
- Worked closely with other officers on all group events.
- Coordinated monthly blog posts with sponsor Celestron.
- Used American Elm tree location data to focus survey routes for OSU campus springtime *Gobs of* (Evening) *Grosbeaks* project, organized and monitored weekly survey crews.

2009-2011 **Plant and Garden Committee Chair**, The UND chapter of The Wildlife Society (TWS).

- Led work to restore biology department native prairie gardens.
- Worked with faculty to manage and maintain UND Soaring Eagle native prairie garden.
- Initiated TWS and UND collaboration on campus native prairie sustainability gardens.