

Curriculum Vitae

Jordan Greer

11793 Betula Circle.
Moreno Valley
CA 92557

Tel: (951) 544-1210
Email: jag1uchicago@gmail.com

Education

- Doctorate:** **University of Chicago (Expected 2022)**
Evolutionary Biology
Advisor: Corrie Moreau
- Master of Science:** **San Francisco State University (2018)**
Animal Behavior and Physiology
Advisors: Dr. Andrew Zink (PI), Dr. Vance Vredenburg, Dr. Andrea Swei
Thesis- “**Extended insect parental care influences egg microbiome structure and function**”
GPA: 4.0
- Bachelor of Science:** **University of California, Riverside (2013)**
Major: Biology Minor: French Language.
GPA: 3.503

Scholarships, Grants, and Awards

- 2016** **MiSeq Mini-Grant Award**
\$3,000 grant provided by SFSU to conduct MiSeq involved research
- 2016-2017** **Genentech Dissertation Scholars Award**
\$21,000 fellowship to conduct master's thesis project
- 2015-2016** **NIH-RISE (Research Initiative for Scientific Enhancement)**
\$18,000 Fellowship to conduct masters thesis research project.
- 2013** **Academic Symposium Presenter, UC Riverside**
Presented a comedic video presentation in French on French food, with literary references to Marcel Proust's *A Remembrance of Things Past*

Professional Experience

- 2017-Present Graduate Researcher. University of Chicago; Moreau Lab**
Conducting a project to understand the ecological factors that influence cocoon presence/absence in ant lineages and how cocoons may function within the nest. Skills include ancestral state reconstruction and ecological correlation on phylogenetic data.
- 2015-2017 Graduate Researcher, San Francisco State; Zink lab**
Conducting a project that aims to verify whether vertical transmission of bacteria occurs in the earwig *Anisolabis Maritima*. This research sheds light on the function of brood care in earwig species as a mode of egg protection from fungal infection. Also, this work informs the greater function of maternal care across many different taxa to support parental microbe transmission as a

universal framework for offspring survival. Skills include: insect husbandry, DNA extraction, DNA library preparation, Miseq sequencing, microbiome analysis, statistical analysis (R)

2013-2015 Biological Technician, Citrus Research Board

Fieldwork: cage building around experimental citrus trees, ground/cage upkeep, cage status monitoring, insect releases, insect collections
Experimental research: longevity, degree day analysis, egg load, optimum diet, storage
Greenhouse work: watering, pruning, insect rearing, insect release/collection, upkeep
Data analysis, record keeping, routine lab maintenance
Research writing and presentations

2012-2013 Research Assistant, UC Riverside Entomology Lab

Field work; ie. wetland weed extraction, tub cleaning
Water chemistry analysis; algae filtration for photosynthetic analysis
Arthropod identification and removal from samples
Mosquito species identification and counting

Publications and Presentations

Publications:

Greer, J., Zink, A. 2017 “Extended insect parental care influences egg microbiome structure and function” (in progress)
Greer, J. (2018). Digest: The honesty of aposematic coloration in the six-spot burnet moth. *Evolution*, 72(7), 1533-1534. *Digest*

Presentations:

Greer, J., Swei, A., Vredenburg, V., Zink, A. 2018. “Parental care influences the microbiome structure and function on earwig eggs”. Animal Behavior Society Conference, Milwaukee. *Talk*
Greer, J. 2016. “A Mother's Touch: Vertical transmission of beneficial microbes in *Ensatina* salamanders”. Annual Department Retreat; San Francisco State University. *Poster*

Acknowledgements:

Demisse, D. D. 2013. Influence of nutrients and integrated mosquito management tactics on mosquitoes and their habitat microbiomes. (Times cited:1)
Poudel, M., Morse J.G., Daugherty, M.P. Simmons, G.S. Grafton-Cardwell, E.E. 2015. Residual toxicity of various organic and conventional pesticides to Asian citrus psyllid and its parasitoid *Tamarixia radiata*. *Presentation*

Outreach Activities

2017-Present Member's night, Evolve Event (FMNH)

Field museum events in which scientists engage with the public (both children and adults) to get them excited about the natural world. Includes oral presentation and demonstrations.

2017-Present Strive Tutoring

Volunteer 1-on1 tutor for elementary-high school math, reading, and science

2018 Website: Zooplank.com

Editor&Chief. Blog for biology enthusiasts sharing facts and news about science in both a written and audio format.

Affiliations

- 2018-Present** Entomological Society of America; student member
2016-Present Animal Behavior Society; student member
2016-Present American Association for the Advancement of Science (AAAS); student member

Additional Information

- 2010-2011** **Volunteer, Marine Mammal Care Center, San Pedro, CA**
preparing fish and gruel for feeding
cleaning sea lion/elephant seal pens
hand feedings/medication distribution
animal relocation
general upkeep duties
- 2009-2011** **Treasurer, Habitat for Humanity Chapter, UCR**
maintaining financial records
allocating reimbursements/deposits
collecting/storing cash dues
inputting volunteer hours
participating in volunteer events and fundraisers