

Dr. Gordon Smith

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Education

- 2021-present **National Science Foundation**
Postdoctoral Fellow in Biology, hosted by Cornell University, Department of Neurobiology and Behavior
- 2020-2021 **University of Oregon, Eugene OR**
Postdoctoral Researcher, Department of Biology
- 2019-2020 **University of California Riverside, Riverside CA**
Postdoctoral Researcher, Department of Entomology
- 2013–2019 **University of Arizona, Tucson, Arizona.**
Department: Ecology and Evolutionary Biology. PhD awarded May 2019
Dissertation: Within-species variation in hawkmoth foraging behavior: patterns, causes, and consequences.
- 2013 **Williams College, Williamstown, Massachusetts.**
Major: Biology. BA with Honors
Senior Biology Honors Project 2012–2013: Weight Based Pollinator Discrimination in *Cornus canadensis*
Cumulative GPA: 3.7
Deans List: 2009–2013
- 2011 **Organization for Tropical Studies, Duke University**
Field Biology Semester in Costa Rica
- 2008 **Leysin American School in Switzerland**
Graduated with International Baccalaureate Degree (Higher levels: Math, Biology, Economics)

Honors and Awards

Graduate

- 2018 **Graduate Student Award in Teaching**, University of Arizona Ecology and Evolutionary Biology Department
- 2018 **Graduate Student Award in Teaching**, University of Arizona College of Science
- 2018 **Roy P. Drachman Galileo Circle Scholarship**, University of Arizona
- 2017 **Galileo Circle Scholarship**, University of Arizona
- 2016 **Darwin/Wallace Biodiversity Scholarship**, University of Arizona Ecology and Evolutionary Biology Department
- 2013 **Graduate Research Fellowship Honorable Mention**, National Science Foundation

Undergraduate

- 2013 **William C. Grant Jr. Prize in Biology**, Williams College

2013 **Cum Laude**, Williams College
2013 **Sigma Xi**, Williams College
2013 **Biology: Highest Honors**, Williams College

Grants

2021 **Postdoctoral Fellowship in Biology**, National Science Foundation
2016, 2017 **Travel Grant**, University of Arizona Center for Insect Science
2016 **Research and Professional Grant**, University of Arizona Graduate and Professional Student Council
2014, 2015, 2016 **Travel Grant**, Graduate and Professional Student Council

Publications

Smith, GP., and LC. Ponisio. Sex-associated differences in the network roles of pollinators. *Ecosphere*, *In Press*.

Cohen, H., **GP. Smith**, H. Sardinias, JF. Zorn, QS. McFrederick, H. Woodard, and LC. Ponisio. Mass-flowering monoculture attracts bees, amplifying parasite prevalence. *Proceedings B*, *In Press*.

Smith, GP., G. Davidowitz, RA. Raguso, and J. Bronstein. 2021. Proboscis curling in a pollinator causes extensive pollen movement and loss. *Ecological Entomology*, <https://doi.org/10.1111/een.13105>.

Smith, GP., G. Davidowitz, R. Alarcón, D. Papaj, and J. Bronstein. 2021. Sex differences in the foraging behavior of a generalist hawkmoth. *Insect Science*, 1-11.

Johnson, CA., **GP. Smith**, K. Yule, G. Davidowitz, J. Bronstein, and R. Ferrière. 2021. Coevolutionary transitions from antagonism to mutualism explained by the Co-Opted Antagonist hypothesis. *Nature Communications*, 12:2867.

Smith, GP., J. Bronstein, and D. Papaj. 2019. Sex differences in pollinator behavior: patterns across species and consequences for the mutualism. *Journal of Animal Ecology*, 88(7), 971-985.

Smith, GP., C. Johnson, G. Davidowitz, and J. Bronstein. 2018. Linkages between nectaring and oviposition preferences of *Manduca sexta* on two co-blooming *Datura* species in the Sonoran Desert. *Ecological Entomology*, 43(1), 85-92.

Edwards, J., **GP. Smith**, and MHF. McEntee. 2015. Long-term time-lapse video provides near complete records of floral visitation. *Journal of Pollination Ecology*, 16(13), 91-100.

Presentations

- 2021 **Conference of the Ecological Society of America** – Intraspecific variation across interaction types in pollinating insects
- 2020 **Conference of the Orchard Bee Association** – Nesting success of *Osmia californica* in California sunflower
- 2020 **Conference of the Ecological Society of America** – Sex-associated differences in pollinator network roles
- 2018 **Conference of the Ecological Society of America** – Sex differences in pollinator behavior: patterns across species and consequences for plants
- 2018 **Max Planck Institute for Chemical Ecology Departmental Seminar** – Intraspecific variation in nectar use by foraging hawkmoths
- 2018 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – Explaining sex differences in hawkmoth pollen load diversity
- 2018 **Williams College Invited Alumni Panel** – Intraspecific variation in nectar use by foraging hawkmoths
- 2018 **Conference of the American Society of Naturalists** – Intraspecific variation in nectar use by foraging hawkmoths
- 2017 **Conference of the Ecological Society of America** – Intraspecific variation in nectar use by foraging hawkmoths
- 2017 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – Interannual variation in hawkmoth pollen loads
- 2016 **Conference of the Ecological Society of America** – Intraspecific variation and sex differences in pollination behavior
- 2016 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – Intraspecific variation and sex differences in pollination
- 2016 **Conference of the American Society of Naturalists** – Host plant choice and its consequences for a Southwestern hawkmoth
- 2015 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – The costs and benefits of *Manduca sexta* visitation to two *Datura* species
- 2014 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – Honesty of Dipteran visitors to Pointleaf Manzanita
- 2013 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – Pupal defensive behavior in the parasitoid wasp *Encarsia hispida*
- 2013 **University of Arizona Ecology and Evolutionary Biology Departmental Seminar** – The role of herbivory in the maintenance of a flower color polymorphism

Teaching and Mentoring

- 2018 **Ecology and Evolutionary Biology Department, University of Arizona**
Teaching assistant for Ecology (302). Duties included organizing and teaching laboratory exercises as well as guest lectures in the classroom component of the course.
- 2015–2018 **Ecology and Evolutionary Biology Department, University of Arizona**
Teaching assistant for Natural History of the Southwest (230). Duties included organizing guest speakers, leading field trips.
- 2014–2017 **Ecology and Evolutionary Biology Department, University of Arizona**
Teaching assistant for Animal Behavior (487). Duties included developing, organizing, and teaching laboratory exercises, as well as guest lectures in the classroom component of the course.
- 2014–2017 **Keep Engaging Youth in Science (KEYS) Internship Program, University of Arizona**
KEYS Mentor. Tutored and introduced high school students to laboratory research design and execution. Employer: Marti Lindsey, Tucson, Arizona.
- 2015, 2019 **Ecology and Evolutionary Biology Department, University of Arizona**
Teaching assistant for Introductory Biology (182). Duties included organizing and teaching laboratory exercises and lecturing on relevant topics.

Outreach

- 2013–2018 **Department of Entomology, University of Arizona**
Arizona Insect Festival presenter. Coordinated and ran a booth focusing on pollinators and pollinator behavior for the festival, including information and demonstrations for a broad audience.
- 2015–2016 **Tucson Hebrew Academy, Arizona**
Tucson Hebrew Academy STEM Festival presenter. Coordinated and ran a booth focusing on pollinators and pollinator behavior for the festival, including information and demonstrations for a broad audience.