



Avery L. Russell

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EDUCATION

Ph.D.	Insect Science, minor in Neuroscience, Graduate Interdisciplinary Program in Entomology and Insect Science, University of Arizona, AZ. Dissertation Title: Mechanisms of floral specialization by pollen-foraging bumblebees Major Advisor: Daniel R. Papaj	Dec 2016
B.S.	Double major: Entomology & Plant Sciences, College of Agriculture and Life Sciences. GPA: 3.759, Cornell University, Ithaca, NY. <i>Magna cum laude</i> , with honors in Entomology	May 2011

RESEARCH APPOINTMENTS

Assistant Professor of Evolutionary Biology , Department of Biology, Missouri State University, MO	Fall 2019-present
Pittsburgh Ecology and Evolution Postdoctoral Fellow , University of Pittsburgh, PA PIs: Dr. Tia-Lynn Ashman and Dr. Corinne Richards-Zawacki	Spring 2017-Fall 2019
Graduate Research Associate , NSF-funded, University of Arizona, AZ PIs: Dr. Anne Leonard, Dr. Dan Papaj, Dr. Wulfila Gronenberg, and Dr. Steve Buchmann	S 2014-S 2015, S 2016
Graduate Research Assistant , University of Arizona, AZ PIs: Dr. Anne Leonard, Dr. Daniel Papaj, Dr. Steve Buchmann, and Dr. Wulfi Gronenberg	Summer-Fall 2012
Undergraduate Researcher , Cornell University, NY PI: Dr. Cole Gilbert	Fall 2007-Summer 2011
Laboratory Assistant , Cornell University, NY Supervisor: Dr. Linda Rayor	Summer 2008

GRANTS, AWARDS, & HONORS**Grants & Fellowships**

Missouri Department of Conservation Grant, single PI	\$104,256	2023-2026
Missouri Department of Conservation Grant, single PI	\$9525	2022-2023
Assessment of Student Learning Grant	\$500	Fall 2021
Faculty Research Grant	\$7500	Spring 2021
Assessment of Student Learning Grant	\$500	Summer 2020
Council on Undergraduate Research, Biology Division, Research Supply Grant	\$250	Spring 2020
Assessment of Student Learning Grant	\$500	Fall 2019
Early Career Research Fellowship, UP with co-PI Dr. Na Wei	\$10000	Spring 2018
Pittsburgh Ecology and Evolution Postdoctoral Fellowship, UP	\$145779	Spring 2016
GPSC Travel Grant, UA	\$750	Fall 2015
GPSC Research and Project Grant, UA	\$2000	Spring 2015
GPSC Travel Grant, UA	\$750	Spring 2015
GPSC Research and Project Grant, UA	\$1000	Spring 2014
National SMART Grant, CU	\$4000	2009-2010
Academic Competitive Grant SO, CU	\$2050	2008-2009

Awards & Honors

MSU College of Natural and Applied Sciences Excellence in Research Award		Spring 2023
MSU College of Natural and Applied Sciences Diversity Award		Spring 2021
Diversity Scholar Stipend Award	\$250	Fall 2019

International Society for Behavioral Ecology Travel Award	\$500	Spring 2018
XI International Symposium on Pollination Scholarship	€650	Spring 2018
Pacific Branch Entomological Society of America Photo Salon Most Outstanding Photo	\$50	Spring 2017
ABS 2017 Allee Symposium paper finalist		Spring 2017
Second Place Winner of the ICE2016 Graduate Student Oral Competition		
Section: Apidology, Sericulture, and Social Insects: Honey Bees I		Fall 2016
SICB 2017 Division of Animal Behavior Best Student Presentation Competition Finalist		Fall 2016
CIS Travel Award, UA	\$600	Fall 2016
Laurence A. Carruth Award, UA	\$1000	Summer 2016
Herbert E. Carter Travel Award, UA	\$600	Summer 2016
Environmental Graduate Student Travel Award, UA	\$300	Summer 2016
Animal Behavior Society Graduate Student Travel Award	\$500	Summer 2016
Environmental Graduate Student Travel Award, UA	\$500	Fall 2015
Poster chosen for GIDP Student Research Showcase, UA		Fall 2015
SICB 2016 Division of Animal Behavior Best Student Presentation Competition Finalist		Fall 2015
CIS Travel Award, UA	\$500	Fall 2015
GIDP Teaching Assistantship, UA (two awardees per semester)		Fall 2015
R.F. Chapman Graduate Student Prize for Research in Insect Science, UA	\$1000	Summer 2015
Pacific Branch Entomological Society of America Student Travel Award	\$300	Spring 2015
Herbert E. Carter Travel Award, UA	\$600	Fall 2014
Sigma Xi Scientific Research Society Certificate of Recognition		
For best presentation in Behavioral and Social Sciences		Fall 2014
EIS Grad Student Research Support Award, UA	\$2000	Spring 2014
CIS Travel Award, UA	\$500	Spring 2014
Poster abstract finalist in EIS GIDP Showcase Poster Competition, UA		Fall 2013
GIDP Teaching Assistantship, UA (two awardees per semester)		Fall 2012
Honorable Mention, N.S.F. Graduate Research Fellowship Program, UA		Spring 2012
Charles A. Ring Memorial Award, CU	\$150	Spring 2011
Dean's List (every semester), CU		2007- 2011
Albert C. Murphy Scholarship, CU		2007- 2011
Boyce '26 Alfred Mullikin Scholarship, CU		2007- 2011
Hilda K. Karns Scholarship, CU		2007- 2011
CALS Undergraduate Honors Program, CU		2010
Rawlings III Cornell Presidential Research Scholars Program	\$5000	2009
Cornell Hughes Scholars Program	\$15180	2009
FASFA Award for Academic Achievement, CU		2009

PUBLICATIONS

[UG]Undergraduate, [G]Graduate, [T]lab technician, †Co-first author *Journal Impact Factors and Google Scholar Citations as of Sept 2022*
 Lab members underlined

26. Vallejo-Marín, M., **Russell, A.L.** Harvesting pollen with vibrations: Towards an integrative understanding of the proximate and ultimate reasons for buzz pollination. *Provisionally accepted to Annals of Botany*. **Journal impact factor: 4.2; Citations: NA**

25. Wilkins, R.[T], Mayberry, M.[G], Vallejo-Marín, M., **Russell, A.L.** Hold tight or loosen up? Functional consequences of a shift in anther architecture depend substantially on bee body size. *Oecologia*. 200:119-131
Journal impact factor: 3.2; Citations: 1

24. Vallejo-Marín, M., Nunes, C.E.P., **Russell, A.L.** 2022. Anther cones increase pollen release in buzz-pollinated *Solanum* flowers. *Evolution*. **Journal impact factor: 3.7; Citations: 8**

23. Jankauski, M., Ferguson, R.[UG], **Russell, A. L.**, Buchmann, S. L. 2022. Structural dynamics of real and modeled *Solanum* stamens: Implications for pollen ejection by buzzing bees. *Journal of the Royal Society Interface*. **Journal impact factor: 4.5; Citations: 8**

22. Crowley, B.[G], **Russell, A.L.** 2021. Nectar bacteria grow by germinating and bursting pollen. *Current Biology*. Invited Dispatch. 31, R1120-R1122 **Journal impact factor: 10.8; Citations: 0**
21. **Russell, A.L.**, Fetters, A.M.[G], James, E.I.[UG], Ashman, T.-L. 2021. Pollinator effectiveness is affected by intraindividual behavioral variation. *Oecologia*. 197: 189-200 **Journal impact factor: 3.2; Citations: 10**
20. **Russell, A.L.**†, Sanders, S.R.[UG]†, Wilson, L.A. [UG], Papaj, D.R. 2021. The size of it: Variation in flower size does not influence visitation by bees to deceptive floral mimics. *Frontiers in Ecology and Evolution, Sensory Ecology of Plant-Pollinator Interactions* special issue. **Journal impact factor: 4.2; Citations: 1**
19. Nevard, L.[G], **Russell, A. L.**, Foord, K., Vallejo-Marín, M. 2021. Transmission of bee-like vibrations in buzz-pollinated plants with different stamen architectures. *Scientific Reports*. 11, 13541 **Journal impact factor: 4.4; Citations: 13**
18. Rico-Guevara, A., Hurme, K. J., Elting, R.[T], **Russell, A.L.** 2021. Bene‘fit’ assessment in pollination coevolution: mechanistic perspectives on hummingbird bill-flower matching. *Integrative and Comparative Biology*. 1-15. **Journal impact factor: 3.3; Citations: 15**
17. Wei, N.†, **Russell, A.L.**†, Jarrett, A.R., Ashman, T.-L. 2021. Plant-visitor interactions mediate floral microbial diversity and network in response to agrichemical disturbance. *Molecular Ecology*. 30: 2235-2247 **Journal impact factor: 6.2; Citations: 9**
16. **Russell, A.L.**, Kikuchi, D.W., Noah, W.G.[G], Papaj, D.R. 2020. Sensory bias and signal detection tradeoffs maintain intersexual floral mimicry. *Philosophical Transactions of the Royal Society B* special issue. 375: 20190469 **Journal impact factor: 6.2; Citations: 9**
15. Rebolleda-Gomez, M., Forrester, N.[G], **Russell, A.L.**, Wei, N., Fetters, A.[G], Stephens, J., Ashman, T.-L. 2019. Gazing into the anthosphere: Considering how microbes influence floral evolution. *New Phytologist* special issue. 224: 1012–1020 **Journal impact factor: 10.2; Citations: 50**
14. **Russell, A.L.**, Rebolleda-Gómez, M., Shaible, T.S.[UG], Ashman, T.-L. 2019. Movers and shakers: bumble bee foraging behavior shapes the dispersal of microbes among and within flowers. *Ecosphere*. 10: e02714. **Journal impact factor: 3.2; Citations: 28**
13. Switzer, C.[G], **Russell, A.L.**, Papaj, D.R., Combes, S., Hopkins, R. 2019. Sonicating bees demonstrate flexible pollen extraction without instrumental learning. *Current Zoology*. 65: 425-436 **Journal impact factor: 2.4; Citations: 20**
12. **Russell, A.L.**, Ashman, T.-L. 2019. Associative learning of flowers by generalist bumble bees can be mediated by microbes on the petals. *Behavioral Ecology*. 30: 746-755 **Journal impact factor: 2.7; Citations: 34**
11. **Russell, A.L.**, Papaj, D.R., Sabino, W.d.O. & Buchmann, S.L. 2018. Brawls bring buzz: male size influences competition and courtship in the solitary bee, *Diadasia rinconis*. *Journal of Insect Science*. 18: 1-11 **Journal impact factor: 1.9; Citations: 4**
10. Cardinal, S., Buchmann, S.L., & **Russell, A.L.** 2018. The evolution of floral sonication, a pollen foraging behavior used by bees (Anthophila). *Evolution*. 72: 590-600 **Journal impact factor: 3.7; Citations: 110**
9. **Russell, A.L.**, Mauerman, K.[UG], Golden, R.E.[UG], Papaj, D.R. 2018. Linking components of complex signals to morphological part: the role of anther and corolla in the complex floral display. *Animal Behaviour*. 135: 223-236 **Journal impact factor: 2.8; Citations: 12**
8. **Russell, A.L.**, Buchmann, S.L., & Papaj, D.R. 2017. How a generalist bee achieves high efficiency of pollen collection on diverse floral resources. *Behavioral Ecology*. 28: 991-1003 **Journal impact factor: 2.7; Citations: 48**
7. Papaj, D.R., Buchmann, S.L., & **Russell, A.L.** 2017. Division of labor of anthers in heterantherous plants: Flexibility of bee pollen collection behavior can act to keep plants honest. *Arthropod-Plant Interactions* special issue **Journal impact factor: 1.6; Citations: 26**

6. **Russell, A.L.**, Morrison, S.J., Moschonas, E.H.[UG], & Papaj, D.R. 2017. Patterns of pollen and nectar foraging specialization by bumblebees over multiple timescales using RFID tracking. *Scientific Reports*. 7:42448 **Journal impact factor: 4.4; Citations: 61**
5. **Russell, A.L.**, Leonard, A.S., Gillette, H.D.[UG], & Papaj, D.R. 2016. Concealed floral rewards and the role of experience in floral sonication by bees. *Animal Behaviour*. 120: 83-91 **Journal impact factor: 2.8; Citations: 36**
4. **Russell, A.L.**, Newman, C.R.[UG], & Papaj, D.R. 2016. White flowers finish last: Pollen-foraging bumble bees show biased learning in a floral color polymorphism. *Evolutionary Ecology, Plant-Animal Communication special issue*. 31: 173-191 **Journal impact factor: 2.7; Citations: 10**
3. Stanley, D., **Russell, A.L.**, Morrison, S.J., Rogers, C., & Raine, N.E. 2016. The impacts of field-realistic exposure to a neonicotinoid pesticide on bumblebee foraging and homing ability. *Journal of Applied Ecology*. 53: 1440-1449 **Journal impact factor: 6.5; Citations: 160**
2. **Russell, A.L.** & Papaj, D.R. 2016. Artificial pollen dispensing flowers and feeders for bee behaviour experiments. *Journal of Pollination Ecology*. 18: 13-22 **Journal impact factor: 1.9; Citations: 25**
1. **Russell, A.L.**, Golden, R.E.[UG], Leonard, A.S. & Papaj, D.R. 2016. Bees learn preferences for plant species that offer only pollen as a reward. *Behavioral Ecology*. 27: 731-740 **Journal impact factor: 2.7; Citations: 40**

In review or in preparation:

Gould et al. (300 authors; **Russell, A.L.** is a middle author). Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology. *Submitted to BMC Biology*. **Journal impact factor: 5.4**

Russell, A.L., Buchmann, S.L., Zenil-Ferguson, R., Jolles, D., Kriebel, R, Vallejo-Marín, M. Widespread evolution of poricidal flowers: A striking example of morphological convergence across flowering plants. *Submitted*.

Gould et al. (300 authors). Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology. *Submitted to BMC Biology*

Papaj, D.R., **Russell, A.L.** Floral preference and the pattern of switching in the eastern bumble bee, *Bombus impatiens*. *In-prep*.

Yeager J.†, **Russell A.L.**†, Donato E.V., Dugas M.B. & Richards-Zawacki C.L. The role of natural selection and predator learning in the maintenance of poison frog color polymorphism. *In-prep*.

Mauerman, K.[UG], Papaj, D.R., & **Russell, A.L.** Flexible foraging by bumblebees on flowers offering pollen and nectar. *In-prep*.

Theses:

Russell, A.L. 2016. Mechanisms of floral specialization by pollen-foraging bumblebees. Doctoral Dissertation presented to the Graduate Interdisciplinary Program in Entomology and Insect Science, UA.

Russell, A.L. 2011. Serial homology in the coxal proprioceptive-motor system in a flesh fly (Diptera: Sarcophagidae). Honors Thesis presented to the College of Agriculture and Life Sciences, Entomology, CU.

Non-peer reviewed contracted reports:

2023 bumble bee field survey research report to the Missouri Department of Conservation and to the Missouri Prairie Foundation

2022 bumble bee field survey research report to the Missouri Department of Conservation and to the Missouri Prairie Foundation

RESEARCH PRESENTATIONS

[UG]Undergraduate, [G]Graduate, [T]lab technician

Total: 66; Invited: 29; Conferences: 28 talks, 4 posters

Invited Talks:

- Russell, A.L.** 2023. *Grassland bumble bee microbiome grant proposal presentation*, Missouri Department of Conservation Science Branch, Columbia, MO.
- Russell, A.L.** 2023. *Biological Sciences Departmental Seminar*, Missouri S&T, Rolla, MO.
- Russell, A.L.** 2022. *Biological Sciences Departmental Seminar*, University of Memphis, Memphis, TN.
- Russell, A.L.** 2022. *Biological Sciences Departmental Seminar*, California State University, Long Beach, CA.
- Russell, A.L.** 2021. *Biological Sciences Departmental Seminar*, Northern Arizona University, Flagstaff, AZ.
- Russell, A.L.** 2021. *Biology Seminar Series*, University of Missouri, St. Louis, MO.
- Russell, A.L.** 2021. *Physical Mechanisms of Behavior, Society for Integrative and Comparative Biology*, virtual conference.
- Russell, A.L.** 2020. *Microbes, Too! Microbe-produced Semiochemicals as Mediators of Species Interactions, Entomology Society of America*, virtual conference.
- Russell, A.L.** 2020. *Missouri Native Plants chapter meeting seminar*, Springfield, MO.
- Russell, A.L.** 2019. *Summer Seminar Series*, Blandy Experimental Farm, University of Virginia, VA.
- Russell, A.L.** 2019. *Evolutionary Biomechanics: Form, function and ecological interactions in animals and plants, Evolution*, Providence, RI.
- Russell, A.L.** 2019. *Science Café series*, Atlanta Botanical Garden, GA.
- Russell, A.L.** 2019. *Insect Pollinators in the Human-Modified Landscape, Eastern Branch ESA meeting*, Blacksburg, VA.
- Russell, A.L.** 2019. *Biology Seminar Series*, Missouri State University, MO.
- Russell, A.L.** 2018. *Biodiversity Symposium*, Ruhr-Universität Bochum, GE.
- Russell, A.L.** 2018. *XI International Symposium on Pollination*. Berlin, GE.
- Russell, A.L.** 2018. *Entomology Seminar Series*, Pennsylvania State University, PA.
- Russell, A.L.** 2017. *Biology Seminar Series*, Bucknell University, PA.
- Russell, A.L.** 2017. *Pymatuning Laboratory of Ecology Seminar Series*, Linesville, PA.
- Russell, A.L., Buchmann, S.L., Papaj, D.R.** 2017. *Allee Symposium, Animal Behavior Society*, Toronto, ON.
- Russell, A.L.** 2017. *Spring 2017 Biology Seminar Series*, Muhlenberg College, PA.
- Russell, A.L., Newman, C.R.[UG], Papaj, D.R.** 2017. *Advances in Understanding Floral Specialization in Bees symposium, Pacific Branch ESA meeting*, Portland, OR.
- Russell, A.L.** 2016. *PEEP Fellowship seminar*, Department of Biological Sciences, Pittsburgh, PA.
- Russell, A.L.** 2016. *Arnold Arboretum*, Harvard University. Cambridge, MA.
- Russell, A.L., Papaj, D.R.** 2015. *Data Blitz*, Department of Neuroscience, Tucson, AZ.
- Russell, A.L., Leonard, A.S., Papaj, D.R.** 2015. *Pollination Symposium, Pacific Branch ESA meeting*, Coeur d'Alene, ID.
- Russell, A.L.** 2015. *GradSlam presentation competition*, Tucson, AZ.
- Russell, A.L., Papaj, D.R.** 2014. *Hexapodium seminar*, Center for Insect Science, Tucson, AZ.
- Russell, A.L., Leonard, A.S., Papaj, D.R.** 2014. *Pollination Symposium, Pacific Branch ESA meeting*, Tucson, AZ.

Contributed Presentations:

- Russell, A.L., Ashman, T.L., Campbell, P.[G], Burrow, J. K. [UG].** 2023. *Animal Behavior Society*, Portland, OR.
- Russell, A.L., Ashman, T.L., Campbell, P.[G]** 2022. *Society for Integrative and Comparative Biology*, Austin, TX.
- Russell, A.L.** 2022. *Animal Behavior Society*, San José, CR.
- Russell, A.L.** 2022. *Society for Integrative and Comparative Biology*, Phoenix, AZ.
- Russell, A.L., Sanders, S.R.[UG], Wilson, L.A.[UG], Papaj, D.R.** 2021. *Animal Behavior Society*, virtual conf.
- Russell, A.L., Rebolledo-Gómez, M., Fetters, A., Shaible, T., James, E. Ashman, T.L.** 2019. *Animal Behavior Society*, Chicago, IL.
- Russell, A.L., Rebolledo-Gómez, M., Shaible, T., Ashman, T.L.** 2019. *Molecular Evolution Laboratory Discussion (MELD)*, Pittsburgh, PA.
- Russell, A.L., Ashman, T.L.** 2018. *Three Rivers Evolution Event (regional conference)*, Pittsburgh, PA.
- Russell, A.L., Ashman, T.L.** 2018. *University of Pittsburgh, Department of Biological Sciences Retreat*.
- Russell, A.L., Ashman, T.L.** 2018. *International Society for Behavioral Ecology*, Minneapolis, MN.
- Russell, A.L., Ashman, T.L.** 2018. *Animal Behavior Society*, Milwaukee, WI.
- Russell, A.L., Wei, N.** 2018. *Pymatuning Laboratory of Ecology Seminar Series*, Linesville, PA.
- Russell, A.L.** 2017. *Ecology & Evolution Department Seminar Series*, University of Pittsburgh, PA.
- Russell, A.L., Ashman, T.L.** 2017. *Three Rivers Evolution Event (regional conference)*, Pittsburgh, PA.

- Russell, A.L.**, Papaj, D.R. 2017. *Building Our Methods Using Sound Science (bumble bee methods conference)*, Logan, UT. (Poster)
- Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2017. *Society for Integrative and Comparative Biology*, New Orleans, LA.
- Russell, A.L.** 2016. *Doctoral Dissertation Defense talk*, Tucson, AZ.
- Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2016. *International Congress of Entomology*, Orlando, FL.
- Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2016. *Animal Behavior Society*, Colombia, MI.
- Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2016. *23rd GPSC Student Showcase*, Tucson, AZ. (Poster)
- Russell, A.L.** 2016. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
- Russell, A.L.**, Golden, R.E. [UG], Leonard, A.S., Papaj, D.R. 2016. *Society for Integrative and Comparative Biology*, Portland, OR.
- Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2015. *Graduate Interdisciplinary Program Student Research Showcase*, Tucson, AZ. (Poster)
- Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2015. *First Annual GPSC Grant Winner Exposition*, Tucson, AZ. (Poster)
- Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2015. *Animal Behaviour Society*, Anchorage, AK.
- Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2015. *Society for Integrative and Comparative Biology*, West Palm Springs, Fl.
- Russell, A.L.**, Morrison, S.J., Papaj, D.R. 2014. *Sigma Xi International Research Conference*, Phoenix, AZ. (Poster)
- Russell, A.L.** 2014. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
- Russell, A.L.**, Leonard, A.S., Stephen, L.B., Papaj, D.R. 2014. *International Society for Behavioral Ecology*, New York City, NY. (Poster)
- Russell, A.L.** 2014. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
- Russell, A.L.** 2013. *Presentation to the public at the Tucson Insect Festival*, Tucson, AZ.
- Russell, A.L.**, Papaj, D.R. 2013. *Graduate Interdisciplinary Program Student Research Showcase - Poster Competition*, Tucson, AZ. (Poster)
- Russell, A.L.**, Gilbert, C. 2011. *RCPRS Senior Research Exposition*, Ithaca, NY. (Poster)
- Russell, A.L.**, Gilbert, C. 2011. *Jugatae Honors Thesis presentation*, Ithaca, NY.
- Russell, A.L.**, Paulk, A., Gilbert, C. 2010. *9th International Congress for Neuroethology*. Salamanca, Spain. (Poster)
- Russell, A.L.**, Gilbert, C. 2010. *25th Annual Spring Research Forum of the Cornell Undergraduate Research Board*, Ithaca, NY. (Poster)
- Russell, A.L.**, Gilbert, C. 2010. *Hughes Scholars presentation*, Ithaca, NY. (Poster)

Co-author on an additional 57 presentations: including 36 by undergraduates, 13 by graduate students, 1 by a research technician, 2 by postdocs.

TEACHING EXPERIENCE

Instructor of Record, Biology Seminar (BIO 302)	Spring 2022-23
Designed and taught a career orientation seminar for undergraduates. Associated with BIO 492, and thus responsible for coordinating the Major Field Test with students in the Spring semester. Missouri State University, MO. Cap: 100 students.	
Instructor of Record, Introduction to Entomology (BIO 371)	Spring 2020, Fall 2020-22
Designed and taught an entomology class for undergraduates. Missouri State University, MO. Cap: 24 students.	
Instructor of Record, Evolution (BIO 515/616)	Fall 2019, Spring & Fall 2020-2023
Designed and taught an evolution class for graduate students and advanced undergraduates. Additionally involves coordinating with a PASS (Peer Assisted Study Session Program) mentor to help improve student outcomes in the course Missouri State University, MO. Max Cap: 48 students/semester.	
Instructor of Record, Plant-Animal Interactions (BIO 504/604)	Fall 2019, Spring 2023
Designed and taught a student-centered plant-animal interactions course for graduate students and advanced undergraduates. Missouri State University, MO. Cap: 24 students.	
Instructor of Record, Plant-Animal Interactions Graduate Course (Biosc 2540)	Spring 2019
Designed and taught a student-centered advanced plant-animal interactions course. University Pittsburgh, PA. 12 students.	
Guest lecturer, Biology Seminar (BIO 301/302)	Fall 2019, 2021, Spring 2020
Gave two mini-lectures / semester to the ~150 undergraduate students in the course.	

Guest lecturer, Population Biology (Biosc 1320)

Designed and taught a paper discussion for an undergraduate population biology course. Spring 2018
University Pittsburgh, PA. 40 students.

Instructor of Record, Behavioral Ecology Graduate Course (Biosc 2540)

Designed and taught a student-centered advanced behavioral ecology course. Fall 2017
University Pittsburgh, PA. 5 students.

Guest lecturer, Advanced Ecology Graduate Course (Biosc 2361)

Designed and taught "Mechanisms of floral specialization (by bees)" in Dr. Walter Carson's course. 5 students. Fall 2017
University of Pittsburgh, PA

Instructor of Record, Ecology 182 Lab (Introductory Biology II)

Taught two 25 student 2:50hour laboratory sections each week. Designed components of lectures and activities and all quizzes. Spring 2013
University of Arizona, AZ

Graduate Associate, Teaching for Geological Perspectives (Geos 170A1)

Taught weekly 2 hour study sessions and trained ~50 preceptors. Administered lecture activities and exams. Fall 2012, Fall 2015
University of Arizona, AZ

Undergraduate Assistant, Insect Biology Lab (Entom 2120)

Assisted in arthropod collecting trips, taught proper insect handling, identification, and preservation, and exam grading. 20 students. Fall 2009
Cornell University, NY

MENTORING

Research Mentoring - mentee statements on my efficacy available upon request

[UG]Undergraduate, [G]Graduate, [T]lab technician

Total: 32[UG], 4[G], 1[T]

Lab Mentees	Notable Achievements with the Lab	Role	Time Mentored
Charlotte Davis [UG]		Faculty mentor	F2022 - present
Carter Stoelzel [UG]	2023 Honors College Distinction Project; 2023 led 8 outreach classroom visits (203 6/7 th graders) at Jarrett Middle School and Nixa John Thomas Magnet School	Faculty mentor	F2022 - S2023
Moth Castagna [G]	2023 SICB Research Grant; 2023 SICB Mangum Travel Grant; 2023 SICB (poster); 2023 MSU Thesis Funding Grant; 2023 MO Acad. of Sciences (poster); 2023 ABS Graduate Student Travel Award; 2023 ABS (talk);	Faculty mentor	SU2022 - present
Rita Afagwu [G]	2022 MSU Summer Fellowship; 2023 SICB Grants (Mangum & Broadening Participation); 2023 SICB (poster); 2023 MSU Thesis Funding Grant; 2023 3 Min. Thesis Comp.; 2023 Missouri Botanical Symposium (poster)	Faculty mentor	SU2022 - present
Annaliese Novinger [UG]	2023 SICB Mangum Travel Grant; 2023 SICB (DAB best student presentation talk); CNAS Undergrad Research Symposium (poster); 2023 Honors College Distinction Project and Thesis; 2023 ABS (talk); 2023 Interdisciplinary Biomedical Research Symposium (poster)	Faculty mentor	S2022 - SU2023
Ciara Stewart [UG]	2023 SICB Broadening Participation Grant; 2023 MO Acad. of Sciences (poster);	Faculty mentor	S2022 - present
Haley Muse [UG]		Faculty mentor	F2021 - SU2022
Katie Naumer [UG]	2022 MSU Outstanding Senior Award	Faculty mentor	F2021 - SU2022
Rachel Wilkins [T]	2022 SICB (poster); 2022 co-authored paper	Faculty mentor	SU2021-SU2022

Jenny Burrow [UG]	2022 SICB Mangum Travel Grant; 2023 SICB (poster); 2023 CNAS Undergrad Research Symposium (poster); 2023 ABS (talk);	Faculty mentor	SU2021 - present
Kate Trebing [UG]	2021 CNAS Sarah Elsea Research Scholarship; 2021 Ozark Middle School outreach; 2022 Missouri State Foundation Scholarship	Faculty mentor	SU2021 - S2022
Dalton McCart [UG]		Faculty mentor	SU2021 - F2021
Evelyn VanDenBerg [UG]		Faculty mentor	SU2021
Faith Dall [UG]	2021 Ozark Middle School outreach	Faculty mentor	F2020 - SU2021
Randie Rogers [UG]		Faculty mentor	F2020
Vanessa Morales [UG]	2020 INBRE (talk) honorable mention; 2021 CFM Minority Scholarship; 2021 MoLSAMP Undergraduate Research Symposium (poster) honorable mention; 2021 MAS (talk); 2021 MSU Outstanding Senior Award; 2021 accepted into Animal Behavior Society's Turner Program, Dartmouth's EEES Scholars Program, and Cornell's Diversity Preview Weekend; 2021 SACNAS (talk) Student Presentation Award	Faculty mentor	F2020 - S2021
Maggie Mayberry [G][UG]	2020 Ozark Middle School outreach; 2021 Sigma Xi Grant; 2021 Ozark Middle School outreach; 2021 Beekeepers Association of the Ozarks outreach; 2021 MSU Summer Fellowship; 2021 SICB Travel Grant; 2022 SICB (talk); 2022 MSU Thesis Funding Grant; 2022 MSU Grad Travel Grant; 2022 Skype a Scientist outreach activity; 2022 ABS (talk); 2023 Biology Outstanding Teaching Assistant; 2023 Skype a Scientist outreach activity;	Faculty mentor	SU2020 - present
Parker Campbell [G]	2020 MSU Summer Fellowship; 2021 SICB Research Grant; 2021 MSU Thesis Funding Grant; 2021 Springfield Conservation Nature Center outreach; 2022 Frank Einhellig Graduate Interdisciplinary Forum presentation (talk)	Faculty mentor	SU2020 - SU2022
Stephanie Sanders [UG]	2020 Sigma Xi Grant; 2021 co-authored paper	Faculty mentor	S2020 - S2021
Abilene Mosher [UG]	2020 TriBeta Honor Society research grant; 2020 CNAS Undergrad Research Symposium (poster) 2nd place; 2021 SICB (talk); 2021 TriBeta Research Symposium; 2021 OSU Summer Research Internship; 2021 SICB Travel Grant; 2022 SICB (talk); 2022 TriBeta Honor Society research grant; 2022 ABS (talk); 2022 SICB Mangum Travel Grant; 2023 SICB (talk)	Faculty mentor	F2019 - F2022
Liam Wilson [UG]	2021 co-authored paper	Faculty mentor	F2019 - F2021
Abigail Jarrett [UG]	2018 Pennsylvania Space Grant Consortium Research Scholarship; 2018 Pennsylvania Botany Symposium (poster); 2021 co-authored paper	Postdoc mentor	SU2018 - F2018
Tierney Shaible [UG]	2018 Market Science outreach; 2018 SciTech Festival outreach; 2018 Undergraduate Research Symposium; 2018 94th Annual Meeting of the Pennsylvania Academy of Science; 2019 co-authored paper	Postdoc mentor	SU2017- S2018

Nina Ascoli [UG]		Postdoc mentor	S2018
Ellie James [UG]	2019 Phipps BioBlitz outreach; 2021 co-authored paper	Postdoc mentor	S2019
Sarah White [UG]	2014 Insect Festival outreach	Grad mentor	SU2014 - SU2015
Eleni Moschonas [UG]	2015 Stem Fest outreach; 2015 EEB Undergraduate Poster Session; 2016 Stem Fest outreach; 2017 EEB Undergraduate Poster Session; 2017 co-authored paper	Grad mentor	SU2014 - F2016
Kevin Mauerman [UG]	2014 Insect Festival outreach; 2014 Leslie N. Gooding Research Scholarship; 2015 Insect Festival outreach; 2015 Stem Fest outreach; 2015 REU RMBL CO; 2015 EEB Undergraduate Poster Session; 2016 Stem Fest outreach; 2016 EEB Undergraduate Poster Session; 2016 Honors Research Thesis; 2018 co-authored paper	Grad mentor	SU2014 - S2016
China Rae Newman [UG]	2014 EEB Undergraduate Poster Session; 2014 Leslie N. Gooding Research Scholarship; 2015 Insect Festival outreach; 2015 Honors Research Grant; 2016 Honors Spirit of Inquiry Poster Session; 2016 23 rd GPSC Student Showcase (poster); 2016 Honors Exposition (poster); 2016 EEB Undergraduate Poster Session; 2016 Outstanding Senior; 2017 co-authored paper	Grad mentor	S2014 - S2016
Tara Hall [UG]	2014 Insect Festival outreach	Grad mentor	S2014 - F2015
Rebekah Golden [UG]	2014 Insect Festival outreach; 2015 EEB Undergraduate Poster Session; 2016 co-authored paper; 2018 co-authored paper	Grad mentor	S2014 - S2015
Cynthia Trefois [UG]		Grad mentor	S2014 - F2014
Daniel Rojas [UG]		Grad mentor	S2014
Mary McIntosh [UG]		Grad mentor	S2014
Anna Venot [UG]		Grad mentor	S2014
Ross Ferreter [UG]		Grad mentor	S2014
Heather Gillette [UG]	2014 EEB Undergraduate Poster Session and 3rd prize winner; 2014 Insect Festival outreach; 2016 co-authored paper	Grad mentor	F2013 - SU2014

Masters' Students Committee Member

Madyson Neff (Bio)	Fall 2023 - on
Jade Bailey (Bio)	Spring 2023 - on
Brianne Edwards (Bio)	Fall 2022 – Spring 2023
Aleana Savage (Bio)	Fall 2022 - on
Caleb O'Neal (Bio)	Fall 2020 - Spring 2021
Kerry Kassabaum (Bio)	Fall 2019 – Summer 2021
Allison Sieja (Bio)	Fall 2019 – Summer 2021
Eric Stegmann (Bio)	Fall 2019 - Spring 2020
Sarah White (Bio)	Fall 2019 - Spring 2021

Other Official Mentoring

Mentor for the ABS 2021 Virtual Meeting Mentoring Program	Summer 2021
Mentor for the ABS 2021 Turner Program	Summer 2021
Mentored graduate student to curate MSU entomology collection	Fall 2021
Mentored undergraduate student to curate MSU entomology collection	Spring 2021

Undergraduate Advising

Advisor for 17 undergraduates, Missouri State University, MO	Fall 2023
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Advisor for 14 undergraduates, Missouri State University, MO	Spring 2023
Advisor for 26 undergraduates, Missouri State University, MO	Fall 2022
Advisor for 22 undergraduates, Missouri State University, MO	Spring 2022
Advisor for 16 undergraduates, Missouri State University, MO	Fall 2021
Advisor for 12 undergraduates, Missouri State University, MO	Spring 2021
Advisor for 11 undergraduates, Missouri State University, MO	Fall 2020
Advisor for 1 undergraduate, Missouri State University, MO	Fall-Spring 2019

PROFESSIONAL AND ACADEMIC SERVICE

CNAS representative on the FCTL Advisory Council	Fall 2023-Spring 2025
Advisor for the Missouri State University Students for a Sustainability Future Club	Fall 2023-present
Search Committee member for Assist. Professor (Microbiology), Missouri State University	Fall 2023
Judge for the 30th Annual Einhellig Interdisciplinary Forum (EIDF) at MSU, MO	Spring 2023
Judge for ABS 2023 Broadening Participation grants	Spring 2023
Grand Award Judge for the Ozarks Science and Engineering Fair	Spring 2023
SICB Session Chair for Foraging Behavior II: Bees, Bats and Rewards, Austin, TX.	Winter 2023
Member of the Animal Behavior Society Accessibility Committee	Fall 2022-present
Ad hoc CNAS Undergraduate Research Committee member	Fall 2022-present
Panelist for the Grad School Information Session at Animal Behavior Society 2022	Summer 2022
ABS Session Chair for the Puzzling Animals: Learning and Cognition, San José, CR.	Summer 2022
Department of Biology Diversity Award Committee member	Spring 2022
Member of the Animal Behavior Society Turner Steering Committee	Winter 2022-SU2022
SICB Session Chair for the Division of Animal Behavior Best Student Presentation (Marlene Zuk Award), Phoenix, AZ.	Winter 2022-2023
SICB Session Chair for Integrating Ecology and Biomechanics to Investigate Patterns of Phenotypic Diversity, Phoenix, AZ.	Winter 2022
Chair for the Division of Animal Behavior in the Society for Integrative and Comparative Biology	Winter 2022-present
Ad Hoc Graduate Assistantships Workgroup member	Fall 2021-Spring 2022
Substitute Senator for a Missouri State University Faculty Senate meeting	Fall 2021
Associate Editor for the journal Arthropod-Plant Interactions (APIS) Handled 20 total manuscripts: 2023 [8]; 2022 [11]; 2021 [1]	Fall 2021-Fall 2023
NSF Advance Grant Communication Plan representative	Fall 2021-Spring 2022
Search Committee member for Assist. Professor (Organismal Conservation Biologist), Missouri State University	Fall 2021
Co-moderator for the ABS 2021 session “Smarts In The City: Cognition”	Summer 2021
Panelist for the Grad School Information Session at Animal Behavior Society 2021	Summer 2021
Co-organizer for the Animal Behavior Society 2021 Inclusive Mentoring Workshop Received \$4000 to organize a 2.5 hour (J.E.D.I.) workshop to improve inclusive mentoring. Invited speakers and panelists received honoraria	Summer 2021
Search Committee member for Visiting Assist. Professor, Missouri State University	Spring 2021
Advisor for the Missouri State University Bee Keeping Club	Spring 2021-Fall 2022
Department of Biology Teaching Award Committee member	Spring 2021
Provost Diversity Council co-chair, Missouri State University	Fall 2020-Spring 2022
Ad Hoc Committee of the Faculty Handbook Revision Committee on New Language on Diversity and Inclusion member, Missouri State University	Fall 2020-Fall 2021
Inclusive Admissions Committee member, Missouri State University Advocate for diversity, equity, and inclusion in graduate admissions at MSU	Fall 2020-Spring 2021
Diversity Committee member, Animal Behavior Society	Spring 2020-present

Co-organizer for the Animal Behavior Society 2020 Cultural Competency Workshop	Summer 2020
Received \$2000 to organize a 1.5 hour workshop to improve cultural competency among researchers of all stages. Invited speakers had their registration waived	
CNAS Diversity Donuts Mixer co-host with other Diversity Committee faculty	Fall 2019
CNAS 3 Minute Thesis competition judge	Fall 2019
Judged Masters' presentations for advancement to university-wide competition	
CNAS Majors Fair, Department of Biology, Missouri State University	Fall 2019, 2021, 2022
Volunteer to provide information to students about biology and CNAS majors	
Wildlife Conservation and Management Committee member, Department of Biology, Missouri State University	Fall 2019-present
Discuss and address issues in this degree program	
Advisor for the Missouri State University Aerialist Club	Fall 2019-Fall 2022
CNAS Diversity Committee member, Missouri State University	Fall 2019-present
Advocate for diversity, equity, and inclusion in the College of Natural and Applied Sciences	
CNAS Greenhouse Committee member, Missouri State University	Fall 2019-present
Co-organizer for the Animal Behavior Society 2019 Cultural Competency Workshop	Animal Behavior Society meeting 2019
Received \$1000 to organize with Cameron Jones and Montra Spikes a 1.5 hour workshop to improve cultural competency among researchers of all stages. Two invited speakers, 6 panelists, 8 discussion exercise leaders, and 103 participants	
Guest speaker, General Biology (BIOSC 0067), University of Pittsburgh	Summer 2019
Answered student questions about flower microbiomes and pollinators	
Co-interviewee with Dr. Raine Kaczorowski for an Allderice High School student	Summer 2019
Discussed climate change with student Sophia Connelly as part of her long term biology class project	
Course judge for Pittsburg Ecology and Evolution Postdoctoral fellowship applicants	Spring 2019
Scored the proposals of fellowship applicants	
Skype-in guest speaker, Biology of Sex Undergraduate Course (BIOL 3041), University of Cincinnati	Spring 2019
Answered student questions as part of the "Ask the Author" series	
Co-organizer for a <i>European Society for Evolutionary Biology 2019</i> symposium	ESEB 2019
"Eco-evolutionary feedback between pollinator behaviour and floral evolution"	
Selection of plant taxa for the Penn State University <i>Arboretum Pollinators' Garden</i>	Fall 2018-present
Serving as an expert consultant for choosing exhibit themes and taxa to plant	
Pollination outreach showcase, University of Pittsburgh retreat	Fall 2018
Outreach activities demonstration for the Department of Biological Sciences	
2018 Three Rivers Evolution Event committee member, UP	Summer-Fall 2018
Co-chair of the scientific programming committee and the diversity and inclusion committee. We had 193 registered attendees from 35 institutions and 12 states: 48 oral presentations, 99 poster presentations. Facilitated the diversity roundtable discussion. Conference URL: https://sites.google.com/view/treepgh	
Abstract judge, <i>International Society for Behavioral Ecology 2018</i>	Spring 2018
2017 Three Rivers Evolution Event organizing committee (1 of 6 members), UP	Summer-Fall 2017
<i>The 2017 Three Rivers Evolution Event (TREE)</i> is a regional evolution conference, sponsored by SBE and ASN. We had 168 registered attendees from 45 institutions: 48 oral presentations, 61 poster presentations. Conference URL: https://sites.google.com/view/tree2017	
Graduate Student Representative, Department of Entomology, UA	Spring 2014-Fall 2016
Attended monthly faculty meetings where served as a liaison and took minutes	
<i>Pacific Branch Entomological Association of America</i> volunteer	Spring 2015
<i>Henry Hagedorn Speakership</i> host & coordinator, Entomology & Insect Science, UA	Spring-Fall 2015
Organized all elements, from invitation to completion of visit	
<i>Travel Grants Judge</i>, Graduate Professional Student Council, UA	March 2015
<i>President of the Entomology Graduate Student Association</i>, UA	Fall 2014-Spring 2015
Organized and lead 14 1.5hr biweekly meetings of graduate students to discuss research, classes, funding, and outreach. Attended by 50% of the Entomology & Insect Science graduate student cohort.	
<i>Vice President of the Entomology Graduate Student Association</i>, UA	Fall 2013-Spring

Assisted in organization and advertising. Wrote public entomological blog posts	2014
Reviewer for peer-reviewed journals and grant agencies	
<i>American Journal of Botany (2x), Animal Behaviour (4x), Annals of Botany (4x) (*Andrea Fetters), Apidologie (1x), Arthropod-Plant Interactions (2x), Behavioral Ecology (2x), Biological Invasions (1x), Biology Letters (with Daniel Papaj) (1x), BMC Biology (1x), Current Biology (1x), Ecological Entomology (1x), Evolutionary Ecology (1x), FEMS Microbiology & Ecology (*Maria Rebolledo-Gomez) (1x), Frontiers in Ecology and Evolution (1x), Insectes Sociaux (1x), ISME (1x), Journal of Evolutionary Biology (1x), Journal of Pollination Ecology (1x), Journal of the Royal Society Interface (1x), JoVE (1x), Methods in Ecology & Evolution (1x), Naturwissenschaften (2x), New Phytologist (*Zach Portman) (1x), New Phytologist (with Daniel Papaj) (1x), Oecologia (with Daniel Papaj) (1x), PeerJ (4x), Philosophical Transactions B (1x), Plant Biology (1x), PLoS One (2x), Scientific Reports (1x), The American Naturalist (1x), The Canadian Entomologist (1x), Journal of Ecology (1x), Austrian Science Fund 2021 proposal, NSF-DEB 2017 proposal, NSF-DDIGs 2015; Publons.com peer review profile identifier</i>	Reviewer for 49 manuscripts or proposals *Invited these co-reviewers

COMMUNITY ENGAGEMENT

POSITIONS HELD

Insect Discovery Graduate Associate, University of Arizona, AZ

Led 50 Tucson classrooms in hands-on entomological activities. Reached 1200+ students, k-8th grade. Fall 2013

Contributed to 4 ‘science nights’ at underserved Tucson schools to educate the public about entomology – each ‘science night’ received several hundred visitors.

Insect Festival Organizing Committee Member, University of Arizona, AZ

Part of the organizing committee for the Insect Festival. Chaired an Insect Festival presentation room. Fall 2013

Naturalist Outreach Speakers Bureau member

Led ten Ithaca classrooms in hands-on entomological activities. Reached 200+ students, k-8th grade. 2010

OUTREACH EVENTS & PUBLIC TALKS

Bees Across Borders: A (Virtual) Fire Side Chat with Bumble Bee Researchers from U.S. and Iceland for National Pollinator Week

1 hour interview and presentation hosted by Meghan Orman (University of Pittsburgh), alongside Dr. Kristján Kristjánsson (Reykjavík University): 19 adult attendees (non-scientist self-identified bee enthusiasts) Summer 2023

Bee sociobiology and biodiversity talk to the Missouri State University Wildlife Society

~30 undergraduate attendees Spring 2023

Bee sociobiology and biodiversity talk to the Missouri State University Wildlife Society

~15 undergraduate attendees Spring 2022

Entomology outreach at Ozark Middle School

In 2021, co-led by lab members Maggie Mayberry and Faith Dall: 6th-8th grade students in two 80 minute entomology activities. 16 attendees. In 2020, co-led with lab member Maggie Mayberry: 6th-8th grade students in two 60 minute entomology activities. ~40 attendees. Summer 2020-2021

Beekeepers Association of the Ozarks

Gave bee and buzz pollination talk (with lab member Maggie Mayberry) to ~30 beekeepers Spring 2021

Springfield Conservation Nature Center

Gave two plant-pollinator-microbe talks (with lab member Parker Campbell) to 26 Nature Center volunteers Summer 2020

Discovery Center Springfield, Springfield, MO

Led 21 3rd-8th grade students in two 30 minute pollination activities Spring 2020

Bee sociobiology and health talk to the Missouri State University Bee-Keeping Club

Plants, Pollinators & People event hosted by the Nature Conservancy Western Ozark Water Spring 2020

Coordinator, Sierra Club. Church of Unity, Springfield	
Panelist (1 of 6) giving expertise on pollination ecology. ~100 attendees.	
BioBlitz at the Phipps Conservatory, Pittsburgh, PA.	Summer 2019
Coordinator, volunteer, and pollinator-microbe-interactions booth designer. ~400 attendees of BioBlitz, ~100 to our booth.	
Market Science at the Bloomfield Saturday Market, Pittsburgh, PA.	Fall 2018
Coordinator, volunteer, and “Spooktacular Arthropods: Exo-skeleton Extravaganza” booth designer. ~90 attendees.	
Yough Intermediate/Middle School 12th Annual Science Fair, PA	Spring 2018
Coordinator and volunteer. The event introduced members of the rural public to pollination and entomology. ~75 attendees.	
Carnegie Science Center SciTech Days Festival, Pittsburgh, PA.	Spring & Fall 2017 & 2018
Co-coordinator, volunteer, and pollinator booth designer. Biannual. ~200 attendees/event.	
Market Science at the Bloomfield Saturday Market, Pittsburgh, PA.	Summer 2017
Coordinator, volunteer, and “Pollinators and Polli-nation” booth designer. ~100 attendees.	
Bee Thinking “Happ-bee Hour” public talk, Portland, OR.	Spring 2017
Invited public talk: “Getting buzzed: bee-havior and floral rewards”. 26 attendees.	
Avonworth Community Park, PA.	Spring 2017
Co-coordinator and volunteer. The event introduced the public to local pollinators and plant ecology. ~25 attendees.	
Public talk at the Tucson Insect Festival, Tucson, AZ	Fall 2016
Public talk: “How bees forage on flowers”.	
Arnold Arboretum Tree Mob – Pollinators Present, Harvard University, MA	Summer 2016
Co-led tour at the Leventritt Garden and concurrent discussion of local pollinators. ~15 attendees.	
Rincon Heights Community Garden Outreach, Tucson, AZ	Spring 2016
Led 45 elementary student sin hands-on pollinator activities.	
Presentation to the Tohono Chul Park docents, Tucson, AZ.	Spring 2016
Invited public talk: “Rewarding bee-havior”. ~30 attendees.	
Tucson Hebrew Academy annual STEM Festival, Tucson, AZ	2015-2016
Founder, coordinator, volunteer, and “Pollinator Booth” designer. ~500 attendees/yr.	
“After Dark” event at the Oregon Museum of Science and Industry	March 2016
Featured videos of our work on buzz pollination (NSF-funded)	
Tucson Festival of Books, University of Arizona, AZ	2012-2016
Introduced neuroscience to the public at the Annual Brain Works tent. ~1500 attendees/yr.	
Pollinator Paradise Booth, annual Arizona Insect Festival	2011-2016
Coordinator. 7000 total attendees/yr.	
Exhibit at the Oakland Museum of California - Bees: Tiny Insect, Big Impact.	2015
The exhibit features videos of our work on buzz pollination (NSF-funded)	
“Arachnophobia booth” booth at Flandrau Science Center’s Spooktacular Science	Fall 2014
Coordinator, volunteer and booth designer. ~50 attendees.	
“Brain Zoo” event at the Senita Valley Elementary School, Tucson, AZ	2012
Introducing neuroscience to the public. Volunteer.	
Insectapalooza, Cornell University, NY	2007-2010
Annual showcase of entomology. Volunteer. 3000 total attendees/yr.	

RESEARCH PRESS

CNAS NewsWatch – interviewed by Olivia Prost	April 27, 2023
URL: https://blogs.missouristate.edu/cnas-newswatch/2023/04/27/a-guide-to-bee-ing-friends/	
CNAS NewsWatch – lab researchers interviewed by Olivia Prost	Feb 2, 2023
URL: https://blogs.missouristate.edu/cnas-newswatch/2023/02/02/biology-department-brings-buzz-to-austin/	
CNAS NewsWatch – lab researchers interviewed by Olivia Prost	Dec 8, 2022
URL: https://blogs.missouristate.edu/cnas-newswatch/2022/12/08/naming-new-species-and-saving-the-bees/?utm_source=feed&utm_medium=feed&utm_campaign=feed	
Stand Out Early Career Professional – interview with Tim Vandervoet for the Entomology	May 25, 2021

- Society of America
URL: <https://entomologytoday.org/2021/05/25/making-entomology-more-welcoming-avery-russell-standout-early-career-professional/>
- CNAS NewsWatch** – interview by Vanessa Morales with Ashley Lenahan April 23, 2021
URL: <https://blogs.missouristate.edu/cnas-newswatch/2021/04/22/supporting-diversity-and-management-of-natural-resources/>
- CNAS NewsWatch** – interview by Parker Campbell with Ashley Lenahan April 9, 2021
URL: <https://blogs.missouristate.edu/cnas-newswatch/2021/04/09/linking-bees-health-and-behavior/>
- SICB** – blog post on the Russell Lab by Amanda Puitiza Mar 23, 2021
URL: <https://integrativeandcomparativebiology.wordpress.com/2021/03/23/the-latest-buzz-on-bees/>
- SICB** – video interview with Taylor Huerman Jan 1, 2021
URL: https://twitter.com/ICB_journal/status/1345020680316792835
- CNAS NewsWatch** – interview with Ashley Lenahan Aug 6, 2020
URL: <https://blogs.missouristate.edu/cnas-newswatch/2020/08/06/bias-as-behavior-understanding-cultural-competency/>
- CNAS NewsWatch** – interview with Ashley Lenahan July 2, 2020
URL: <https://blogs.missouristate.edu/cnas-newswatch/2020/07/02/from-ploy-to-pollination-how-flowers-plant-tricks-on-bees/>
- KQEDscience Deep Look Earth Day Film Fest** – panelist and interview with Josh Cassidy April 23, 2020
URL: <http://www.youtube.com/watch?v=EKWjPcd2WHM>
- Springfield News-Leader** – interview with Gregory Holman Jan 14 2020
URL: <https://www.news-leader.com/story/news/local/ozarks/2020/01/14/coxhealth-ladybugs-postpone-surgeries-cox-medical-center-branson/4460000002/>
- KSMU Stem Spots** – interview with David Cornelison Aug 15, 2019
URL: <https://www.ksmu.org/post/springfield-researcher-studies-how-microbes-affect-pollination-0>
- Pittwire** – interview with Kimberly Barlow June 17, 2019
URL: <https://www.pittwire.pitt.edu/news/bee-friendly-pitt-sets-campus-abuzz>
- In Defense of Plants** – interview and podcast with Matt Candeias May 19, 2019
URL: <http://www.indefenseofplants.com/podcast/2019/5/19/ep-213-buzzing-bees-and-the-floral-microbiome>
- Entomology Today** – article and interview with Joe Rominiecki Sept 13, 2018
URL: <https://entomologytoday.org/2018/09/13/busy-bees-up-close-look-one-bee-species-scramble-mate-diadasia-rinconis/>
- University of Arizona News** – article and interview by Kristina Makansi April 5, 2018
URL: <https://research.arizona.edu/stories/new-study-reveals-evolution-sonicating-bees>
- Scientias** – article by Jente Ottenburghs April 3, 2018
URL: <https://www.scientias.nl/zoembevruchting-en-de-evolutie-van-zoemende-bijen/>
- BioScience Talks - Society of Integrative and Comparative Biology podcast (@ 13:13)** July 26, 2017
URL: <http://bioscienceaibs.libsyn.com/the-society-for-integrative-and-comparative-biology-2017-annual-meeting>
- University of Arizona News and EurekAlert!** - article and interview with Daniel Stolte June 29, 2017
URL: <https://uanews.arizona.edu/story/buzz-or-scrabble-foraging-bees-thats-question>
URL: https://www.eurekalert.org/pub_releases/2017-06/uoa-tbo063017.php
- The RFID Journal** - article and interview with Claire Swedberg Mar. 5th, 2017
URL: http://www.rfidjournal.com/articles/view?15748/&utm_medium%3Dnewsfeed_rs
- The Daily Wildcat** - article and interview with Rebekah Ulmer Mar. 3rd, 2017
URL: <http://www.wildcat.arizona.edu/article/2017/03/food-for-bees-foraging-patterns-in-bumblebees>
- Televisa Chapultepec** Mar. 2017
- Discovery Channel - Canada** Feb. 21, 2017
- Digital Trends** - article and interview with Dyllan Furness Feb. 21, 2017
URL: <http://www.digitaltrends.com/cool-tech/bumblebee-microchip/>
- University of Arizona News and EurekAlert!** - article and interview with Daniel Stolte Feb. 17, 2017
URL: <https://uanews.arizona.edu/story/scientists-use-bigbrother-technology-spy-bumblebees>
URL: https://www.eurekalert.org/pub_releases/2017-02/uoa-rub021717.php

The New York Times Science - article by Joanna Klein URL: http://www.nytimes.com/interactive/2016/12/02/science/bees-pollen-senses.html	Dec. 2, 2016
Alibiflora - article by Dr. Peter Zschunke URL: http://www.alibiflora.eu/blog/?p=1616	Oct. 4, 2016
National Public Radio KJZZ 91.5 - on-air interview with Steve Goldstein URL: http://kjzz.org/content/369205/whats-behind-bees-buzz	Sept. 23, 2016
The New York Times Science - article and video with Robin Lindsay & James Gorman URL: http://www.nytimes.com/2016/09/06/science/bees-sonication.html	Sept. 5, 2016
University of Arizona News - article and interview with Robin Tricoles URL: https://uanews.arizona.edu/story/study-bees-pollenforaging-habits-could-create-buzz	Apr. 4, 2016

OTHER PRESS

Good Housekeeping – interview with Emily Yeap of MSU Strategic Communication about June Beetles for an American women's magazine URL: https://www.goodhousekeeping.com/home/a43894302/get-rid-of-june-bugs-beetles-bite/	May 17, 2023
BioGraphic – interview with Annie Roth about cactus bees for the National Geographic Magazine In print only	June, 2023
Science – Interview with Elizabeth Pennisi about climate change effects on bumble bee respiration at the annual meeting of the Society for Integrative and Comparative Biology URL: https://www.science.org/content/article/some-bumble-bees-may-be-hyperventilating-world-warms	Jan 4, 2023
BioGraphic – interview with Stephanie Stone about cactus bees for the California Academy of Sciences' BigPicture Photography Competition URL: https://www.biographic.com/the-big-picture-2022/	June 9, 2022
The Standard – interview with Tinsley Merriman about graduate program advocacy work URL: https://www.the-standard.org/campus_life/graduate-students-seek-increased-benefits-across-departments/article_f1ce47f4-b519-11ec-b779-7be58d3a752b.html	Apr 5, 2022
The Standard – interview with Taylor Pinon URL: https://www.the-standard.org/news/fun-fact-friday-when-it-comes-to-tomato-genes-humans-just-can-t-ketchup/article_457dfb92-9b52-11ec-9a79-4fdb82bc8c1.html	Mar 4, 2022
CNAS NewsWatch – interview with Ashley Lenahan URL: https://blogs.missouristate.edu/cnas-newswatch/2020/08/06/bias-as-behavior-understanding-cultural-competency/	Aug 6, 2020
Springfield News-Leader – interview with Gregory Holman URL: https://www.news-leader.com/story/news/local/ozarks/2020/01/14/coxhealth-ladybugs-postpone-surgeries-cox-medical-center-branson/4460000002/	Jan 14, 2019

PROFESSIONAL AFFILIATIONS

Member	
Society for the Study of Evolution	2019-present
International Commission for Plant-Pollinator Relationships	2018-present
Animal Behavior Society (ABS)	2015-present
Full Member of Sigma Xi	2014-present
Society for Integrative and Comparative Biology (SICB)	2014-present
International Society for Behavioral Ecology (ISBE)	2014-present
Entomological Society of America (ESA)	2014-present
International Congress for Neuroethology (ISN)	2010-present