

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. Dec 2016
Dissertation Title: Mechanisms of floral specialization by pollen-foraging bumblebees
Major Advisor: Daniel R. Papaj
- B.S. Double major: Entomology & Plant Sciences, College of Agriculture and Life Sciences. GPA: 3.759, Cornell University, Ithaca, NY. *Magna cum laude*, with honors in Entomology May 2011

RESEARCH APPOINTMENTS

- Associate Professor**, Department of Biology, Missouri State University, MO Fall 2025-present
- Assistant Professor**, Department of Biology, Missouri State University, MO Fall 2019-Spring 2025
- Pittsburgh Ecology and Evolution Postdoctoral Fellow**, University of Pittsburgh, PA Spring 2017-Fall 2019
PIs: Dr. Tia-Lynn Ashman and Dr. Corinne Richards-Zawacki
- Graduate Research Associate**, NSF-funded, University of Arizona, AZ S 2014-S 2015, S 2016
PIs: Dr. Anne Leonard, Dr. Dan Papaj, Dr. Wulfila Gronenberg, and Dr. Steve Buchmann
- Graduate Research Assistant**, University of Arizona, AZ Summer-Fall 2012
PIs: Dr. Anne Leonard, Dr. Daniel Papaj, Dr. Steve Buchmann, and Dr. Wulfila Gronenberg
- Undergraduate Researcher**, Cornell University, NY Fall 2007-Summer 2011
PI: Dr. Cole Gilbert
- Laboratory Assistant**, Cornell University, NY Summer 2008
Supervisor: Dr. Linda Rayor

GRANTS, AWARDS, & HONORS

Grants & Fellowships

Assessment of Student Learning Grant	\$750	Fall 2025
Sub-award PI on USDA-SCRI Specialty Crop Research Initiative grant	\$60,000	Spring 2024
Faculty Research Grant	\$7500	Spring 2024
Missouri Department of Conservation Grant, single PI	\$104,256*	2023-2026*
*State withdrew \$76,528 in support in Year 2 of the 3 year grant in 2024		
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, Inclusive Engagement Award	\$100	Spring 2025
Missouri Academy of Sciences, Outstanding Scientist Award		Spring 2025
Society of Integrative and Comparative Biology, DEIJ Service Award		Winter 2025
MSU CNAS Faculty Excellence Award - student selected and awarded		Spring 2024
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 Associateship, 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 Dec 2025*
 Lab members underlined

36. Castagna, A.M.T.[G], Burrow, J.K.[UG], Stewart, C.G.[UG], **Russell, A.L.** 2025. Take it or leaf it: bees learn leaf shape as a cue when flower color is easily learned. *Accepted to Animal Behaviour*. **Journal impact factor: 2.8; Citations: NA**

35. Afagwu, R.R.[UG], Stewart, C.G.[UG], Mirza, B.S., **Russell, A.L.** 2025. Bacteria accumulate more rapidly on shorter lived flowers, but abiotic factors affect flower aging and bacterial accumulation. *Accepted to Integrative and Comparative Biology*. **Journal impact factor: 3.3; Citations: 0**

34. **Russell, A.L.**†, Zenil-Ferguson, R.†, Buchmann, S.L., Jolles, D., Kriebel, R., Vallejo-Marín, M. 2025. Widespread evolution of poricidal flowers: A striking example of morphological convergence across flowering plants. *Evolution*. **Journal impact factor: 3.4; Citations: 7**
33. Ekemezie, S.C.[G], Davis, C.C.[UG], Russo, M.V.[UG], Carpenter, L.P.[UG], **Russell, A.L.** 2025. Pollen-microbe interactions in nectar weakly influence bee foraging behavior. *Integrative and Comparative Biology*. **Journal impact factor: 2.2; Citations: 3**
32. Gould et al. (300 authors; **Russell, A.L.** is a middle author). 2025. Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology. *BMC Biology*. **Journal impact factor: 5.4; Citations: 97**
31. Smith, C., Bachelder, N., **Russell, A.L.**, Morales, V.[UG], Mosher, A.R.[UG], Seltmann, K.C. 2025. Predicting pollen specialist and generalist bee species across space and phylogeny. *Oecologia*. 207:13 **Journal impact factor: 4.3; Citations: 3**
30. Mayberry, M.M.[G], Francis, J., Burrow, J.K.[UG], Dall, F.E.[UG], Bowe, M., Campbell, P.[G], Leonard, A., **Russell, A.L.** 2024. One for the road: Bumble bees consume pollen at flowers. *Apidologie*. 55:82 **Journal impact factor: 2.4; Citations: 1**
29. Mayberry, M.M.[G], Naumer, K.C.[UG], Novinger, A.N.[UG], McCart, D.M.[UG], Wilkins, R.V.[T], Muse, H.[UG], Ashman, T.-L., **Russell, A.L.** 2024. Learning to handle flowers increases pollen collection benefits for bees but does not affect pollination success for plants. *Behavioral Ecology*. 35:6 **Journal impact factor: 2.5; Citations: 5**
28. **Russell, A.L.**, Buchmann, S.L., Ascher, J.S., Wang, Z., Kriebel, R., Jolles, D.D., Orr, M.C., Hughes, A.C. 2024. Global patterns and drivers of buzzing bees and poricidal plants. *Current Biology*. 34, 1–9 **Journal impact factor: 9.8; Citations: 13**
27. Papaj, D.R., **Russell, A.L.** 2024. The relationship between preference and switching in flower foraging by bees. *Behavioral Ecology and Sociobiology*. 78:40 **Journal impact factor: 2.3; Citations: 6**
26. Vallejo-Marín, M., **Russell, A.L.** 2023. Harvesting pollen with vibrations: Towards an integrative understanding of the proximate and ultimate reasons for buzz pollination. *Annals of Botany*. **Journal impact factor: 4.2; Citations: 34**
25. Wilkins, R.[T], Mayberry, M.[G], Vallejo-Marín, M., **Russell, A.L.** 2022. 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: 8**
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: 32**
23. Jankauski, M., Ferguson, R., **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: 29**
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: 9.8; Citations: 6**
21. **Russell, A.L.**, Fetzters, 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: 24**
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: 5**

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: 24**
18. Rico-Guevara, A., Hurme, K. J., Elting, R., **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: 44**
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: 41**
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: 15**
15. Rebolledo-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: 9.4; Citations: 87**
14. **Russell, A.L.**, Rebolledo-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: 59**
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: 38**
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: 60**
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: 6**
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: 173**
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: 19**
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: 90**
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: 39**
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: 74**
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: 58**
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: 14**

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: 222**

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: 39**

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: 52**

In review:

Sakhalkar, S.P., [150 authors; **Russell, A.L.** is a middle author] et al. Climate-driven specialization in plant-pollinator interactions peaks outside the tropics. *Submitted to Nature Ecology & Evolution*. **Journal impact factor: 14.5; Citations: 1**

da Silva, A.V., Weber, M.G., Nogueira, A., Vasconcelos, T.N., **Russell, A.L.**, de Lima, T.D., Melo, L.F., Leal, L.C. The dark side of mutualisms: macroevolutionary trade-offs between anti-herbivory protection and pollination mutualisms across angiosperms. *Submitted to Ecology Letters*. **Journal impact factor: 7.9; Citations: NA**

Novinger, A.N.[UG], Hemingway, C.W., Burrow, J.K.[G], Davis, C.D.[UG], Russell, A.L. Bees attend primarily to costs, not benefits, to avoid exploitation by floral mimics. *Submitted to Proceedings of the Royal Society B*. **Journal impact factor: 3.5; Citations: NA**

Pankratz, K.Q., **Russell, A.L.** FE Spotlight: Dispensing anthers for pollen presentation theory. *Submitted to Functional Ecology*. **Journal impact factor: 5.1; Citations: NA**

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:

2024 bumble bee field survey research report to the Missouri Department of Conservation and to the Missouri Prairie Foundation

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: 75; Invited: 32; Conferences: 31 talks, 4 posters

Invited Talks (as MSU faculty):

1. **Russell, A.L.** 2025. *18th Plant Biology Initiative Symposium*, Harvard University, Boston, MA.
2. **Russell, A.L.** 2025. *Department of Ecology and Genetics Seminar*, Uppsala University, Uppsala, Sweden.
3. **Russell, A.L.** 2024. *Department of Biology Seminar Series*, Pittsburg State University, Pittsburg, MO.

4. **Russell, A.L.** 2023. *Grassland bumble bee microbiome grant proposal presentation*, Missouri Department of Conservation Science Branch, Columbia, MO.
5. **Russell, A.L.** 2023. *Biological Sciences Departmental Seminar*, Missouri S&T, Rolla, MO.
6. **Russell, A.L.** 2022. *Biological Sciences Departmental Seminar*, University of Memphis, Memphis, TN.
7. **Russell, A.L.** 2022. *Biological Sciences Departmental Seminar*, California State University, Long Beach, CA.
8. **Russell, A.L.** 2021. *Biological Sciences Departmental Seminar*, Northern Arizona University, Flagstaff, AZ.
9. **Russell, A.L.** 2021. *Biology Seminar Series*, University of Missouri, St. Louis, MO.
10. **Russell, A.L.** 2021. *Physical Mechanisms of Behavior*, *Society for Integrative and Comparative Biology*, virtual conference.
11. **Russell, A.L.** 2020. *Microbes, Too! Microbe-produced Semiochemicals as Mediators of Species Interactions*, *Entomology Society of America*, virtual conference.
12. **Russell, A.L.** 2020. *Missouri Native Plants chapter meeting seminar*, Springfield, MO.
13. **Russell, A.L.** 2019. *Summer Seminar Series*, Blandy Experimental Farm, University of Virginia, VA.
14. **Russell, A.L.** 2019. *Evolutionary Biomechanics: Form, function and ecological interactions in animals and plants*, *Evolution*, Providence, RI.
15. **Russell, A.L.** 2019. *Science Café series*, Atlanta Botanical Garden, GA.

Invited Talks (prior to MSU faculty):

16. **Russell, A.L.** 2019. *Insect Pollinators in the Human-Modified Landscape*, *Eastern Branch ESA meeting*, Blacksburg, VA.
17. **Russell, A.L.** 2019. *Biology Seminar Series*, Missouri State University, MO.
18. **Russell, A.L.** 2018. *Biodiversity Symposium*, Ruhr-Universität Bochum, GE.
19. **Russell, A.L.** 2018. *XI International Symposium on Pollination*. Berlin, GE.
20. **Russell, A.L.** 2018. *Entomology Seminar Series*, Pennsylvania State University, PA.
21. **Russell, A.L.** 2017. *Biology Seminar Series*, Bucknell University, PA.
22. **Russell, A.L.** 2017. *Pymatuning Laboratory of Ecology Seminar Series*, Linesville, PA.
23. **Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2017. *Allee Symposium*, *Animal Behavior Society*, Toronto, ON.
24. **Russell, A.L.** 2017. *Spring 2017 Biology Seminar Series*, Muhlenberg College, PA.
25. **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.
26. **Russell, A.L.** 2016. *PEEP Fellowship seminar*, Department of Biological Sciences, Pittsburgh, PA.
27. **Russell, A.L.** 2016. *Arnold Arboretum*, Harvard University. Cambridge, MA.
28. **Russell, A.L.**, Papaj, D.R. 2015. *Data Blitz*, Department of Neuroscience, Tucson, AZ.
29. **Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2015. *Pollination Symposium*, *Pacific Branch ESA meeting*, Coeur d'Alene, ID.
30. **Russell, A.L.** 2015. *GradSlam presentation competition*, Tucson, AZ.
31. **Russell, A.L.**, Papaj, D.R. 2014. *Hexapodium seminar*, Center for Insect Science, Tucson, AZ.
32. **Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2014. *Pollination Symposium*, *Pacific Branch ESA meeting*, Tucson, AZ.

Contributed Presentations (as MSU faculty):

1. da Silva, A.V., **Russell, A.L.** 2026. *Society for Integrative and Comparative Biology*, Portland, OR.
2. da Silva, A.V., **Russell, A.L.** 2025. *BeeCon*, Centre for Bee Ecology, Evolution, and Conservation, York University, Canada.
3. **Russell, A.L.** 2025. *Animal Behavior Society*, Baltimore, MD.
4. **Russell, A.L.** 2025. *Society for Integrative and Comparative Biology*, Atlanta, GA.
5. **Russell, A.L.** 2024. *Mid-South Society for Integrative and Comparative Biology*, Tulsa, OK.
6. **Russell, A.L.** 2024. *BeeCon*, Centre for Bee Ecology, Evolution, and Conservation, York University, Canada.
7. **Russell, A.L.** 2024. *Society for Integrative and Comparative Biology*, Seattle, WA.
8. **Russell, A.L.**, Ashman, T.L., Campbell, P.[G], Burrow, J. K. [UG]. 2023. *Animal Behavior Society*, Portland, OR.
9. **Russell, A.L.**, Ashman, T.L., Campbell, P.[G] 2023. *Society for Integrative and Comparative Biology*, Austin, TX.
10. **Russell, A.L.** 2022. *Animal Behavior Society*, San José, CR.
11. **Russell, A.L.** 2022. *Society for Integrative and Comparative Biology*, Phoenix, AZ.

12. **Russell, A.L.**, Sanders, S.R.[UG], Wilson, L.A.[UG], Papaj, D.R. 2021. *Animal Behavior Society*, virtual conf.
13. **Russell, A.L.**, Rebolleda-Gómez, M., Fetters, A., Shaible, T., James, E. Ashman, T.L. 2019. *Animal Behavior Society*, Chicago, IL.

Contributed Presentations (prior to MSU faculty):

14. **Russell, A.L.**, Rebolleda-Gómez, M., Shaible, T., Ashman, T.L. 2019. *Molecular Evolution Laboratory Discussion (MELD)*, Pittsburgh, PA.
15. **Russell, A.L.**, Ashman, T.L. 2018. *Three Rivers Evolution Event (regional conference)*, Pittsburgh, PA.
16. **Russell, A.L.**, Ashman, T.L. 2018. *University of Pittsburgh, Department of Biological Sciences Retreat*.
17. **Russell, A.L.**, Ashman, T.L. 2018. *International Society for Behavioral Ecology*, Minneapolis, MN.
18. **Russell, A.L.**, Ashman, T.L. 2018. *Animal Behavior Society*, Milwaukee, WI.
19. **Russell, A.L.**, Wei, N. 2018. *Pymatuning Laboratory of Ecology Seminar Series*, Linesville, PA.
20. **Russell, A.L.** 2017. *Ecology & Evolution Department Seminar Series*, University of Pittsburgh, PA.
21. **Russell, A.L.**, Ashman, T.L. 2017. *Three Rivers Evolution Event (regional conference)*, Pittsburgh, PA.
22. **Russell, A.L.**, Papaj, D.R. 2017. *Building Our Methods Using Sound Science (bumble bee methods conference)*, Logan, UT. (Poster)
23. **Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2017. *Society for Integrative and Comparative Biology*, New Orleans, LA.
24. **Russell, A.L.** 2016. *Doctoral Dissertation Defense talk*, Tucson, AZ.
25. **Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2016. *International Congress of Entomology*, Orlando, FL.
26. **Russell, A.L.**, Buchmann, S.L., Papaj, D.R. 2016. *Animal Behavior Society*, Colombia, MI.
27. **Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2016. *23rd GPSC Student Showcase*, Tucson, AZ. (Poster)
28. **Russell, A.L.** 2016. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
29. **Russell, A.L.**, Golden, R.E. [UG], Leonard, A.S., Papaj, D.R. 2016. *Society for Integrative and Comparative Biology*, Portland, OR.
30. **Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2015. *Graduate Interdisciplinary Program Student Research Showcase*, Tucson, AZ. (Poster)
31. **Russell, A.L.**, Golden, R.E. [UG], Papaj, D.R. 2015. *First Annual GPSC Grant Winner Exposition*, Tucson, AZ. (Poster)
32. **Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2015. *Animal Behavior Society*, Anchorage, AK.
33. **Russell, A.L.**, Leonard, A.S., Papaj, D.R. 2015. *Society for Integrative and Comparative Biology*, West Palm Springs, FL.
34. **Russell, A.L.**, Morrison, S.J., Papaj, D.R. 2014. *Sigma Xi International Research Conference*, Phoenix, AZ. (Poster)
35. **Russell, A.L.** 2014. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
36. **Russell, A.L.**, Leonard, A.S., Stephen, L.B., Papaj, D.R. 2014. *International Society for Behavioral Ecology*, New York City, NY. (Poster)
37. **Russell, A.L.** 2014. *Entomology and Insect Science graduate student luncheon*, Tucson, AZ.
38. **Russell, A.L.** 2013. *Presentation to the public at the Tucson Insect Festival*, Tucson, AZ.
39. **Russell, A.L.**, Papaj, D.R. 2013. *Graduate Interdisciplinary Program Student Research Showcase - Poster Competition*, Tucson, AZ. (Poster)
40. **Russell, A.L.**, Gilbert, C. 2011. *RCPRS Senior Research Exposition*, Ithaca, NY. (Poster)
41. **Russell, A.L.**, Gilbert, C. 2011. *Jugatae Honors Thesis presentation*, Ithaca, NY.
42. **Russell, A.L.**, Paulk, A., Gilbert, C. 2010. *9th International Congress for Neuroethology*. Salamanca, Spain. (Poster)
43. **Russell, A.L.**, Gilbert, C. 2010. *25th Annual Spring Research Forum of the Cornell Undergraduate Research Board*, Ithaca, NY. (Poster)
44. **Russell, A.L.**, Gilbert, C. 2010. *Hughes Scholars presentation*, Ithaca, NY. (Poster)

Co-author on an additional 85+ presentations: including 43 by undergraduates, 28 by graduate students, 1 by a research technician, 2 by postdocs.

Co-authored/student presentations (as MSU faculty):

2026

1. Nathan, P., **Russell, A.L.**, Kriebel, R., Ballarin, C., Frederickson, M. 2026. Annual Conference of the Canadian Society for Ecology and Evolution. University of Toronto, Canada.

2. Peterson, O.V. [UG], Carpenter, L.P. [UG], Russo, M.B. [UG], Martine, C.T., and Russell, A.L. 2026. *Society for Integrative and Comparative Biology*. Portland, OR. Oral presentation.
3. Moul, T.E. [G], Edge, K. [G], Davis, C.C. [UG], White, A.N. [UG], Bynum, J.D. [UG], Howard, K.C. [UG], Castagna, M.T. [T], Carpenter, L.P. [UG], Ekemezie, S.C. [G], Russell, A.L. 2026. *Society for Integrative and Comparative Biology*. Portland, OR. Oral presentation.

2025

1. Burrow, J.K. [G], Meek, K.M. [UG], Castagna, A. M.T. [G], Bynum, J.D. [UG], O'Neal, C.S. Thomas, A.L., Russell, A.L. 2025. *Entomology Society of America*, Portland, OR. Oral presentation.
2. Moul, T.E. [G], Edge, K. [G], Davis, C.C. [UG], White, A.N. [UG], Bynum, J.D. [UG], Howard, K.C. [UG], Castagna, M.T. [T], Carpenter, L.P. [UG], Ekemezie, S.C. [G], Russell, A.L. 2025. *Missouri Botanical Symposium*, Rolla, MO. Poster presentation.
3. Carpenter, L.P. [UG], Peterson, O.V. [UG], Russo, M.B. [UG], Martine, C.T., and Russell, A.L. 2025. *Missouri Botanical Symposium*, Rolla, MO. Poster presentation.
4. Ekemezie, S. C. [G], Davis, C.C. [UG], Russo, M.V. [UG], Carpenter, L.P. [UG], Russell, A.L. 2025. *Animal Behavior Society*, Baltimore, MD.
5. Carpenter, L.P., Peterson, O.V., Russo, M.V., Martine, C., Russell, A. L. 2025. *Animal Behavior Society*, Baltimore, MD. Poster presentation.
6. Meek, K.M. [UG], Bynum, J.D. [UG], O'Neal, C., Thomas, A.L., Russell, A.L., Burrow, J.K. [G] 2025. Advancing American Elderberry Project – International Elderberry Symposium, Stoney Creek Inn, Columbia, MO. Oral presentation.
7. Burrow, J.K. [G], Meek, K.M. [UG], Castagna, A. M.T. [G], Bynum, J.D. [UG], O'Neal, C.S. Thomas, A.L., Russell, A.L. 2025. Advancing American Elderberry Project – International Elderberry Symposium, Stoney Creek Inn, Columbia, MO. Oral presentation.
8. Moul, T.E. [G], Edge, K. [G], Davis, C.C. [UG], White, A.N. [UG], Bynum, J.D. [UG], Howard, K.C. [UG], Castagna, M.T. [T], Carpenter, L.P. [UG], Ekemezie, S.C. [G], Russell, A.L. 2025. *Missouri Academy of Sciences*. University of Central Missouri, MO. Oral presentation.
9. Carpenter, L.P. [UG], Peterson, O.V. [UG], Russo, M.B. [UG], Martine, C.T., and Russell, A.L. 2025. *Missouri Academy of Sciences*. University of Central Missouri, MO. Oral presentation.
10. Meek, K.M. [UG], Bynum, J.D. [UG], O'Neal, C., Thomas, A.L., Russell, A.L., Burrow, J.K. [G] 2025. *Missouri Academy of Sciences*. University of Central Missouri, MO. Oral presentation.
11. Ekemezie, S. C. [G], Davis, C.C. [UG], Russo, M.V. [UG], Carpenter, L.P. [UG], Russell, A.L. 2025. *Missouri Academy of Sciences*. University of Central Missouri, MO. Oral presentation.
12. Russo, M. V. [UG], Vallejo-Marín, M., Russell, A.L., Carpenter, L.P. [UG] 2025. Iota Theta, Missouri State University. Consequences of anther morphology for bee pollen collection and pollen transfer. *Beta Beta Beta District Convention*. Steelville, MO. Poster presentation.
13. Russo, M. V. [UG], Vallejo-Marín, M., Russell, A.L., Carpenter, L.P. [UG] 2025. Iota Theta, Missouri State University. *CNAS Undergraduate Research Symposium*, Springfield, MO. Poster presentation.
14. Carpenter, L.P. [UG], Peterson, O.V. [UG], Russo, M.B. [UG], Martine, C.T., and Russell, A.L. 2025. *CNAS Undergraduate Research Symposium*, Springfield, MO. Poster presentation.
15. White, A.N. [UG], Moul, T. [G], Edge, K. [UG], Davis, C.C. [UG], Bynum, J. [UG], Howard, K. [UG], Castagna, M. [G], Burrow, J. K. [UG], Carpenter, L.P. [UG], Ekemezie, S.C. [G], Russell, A.L. 2025. *CNAS Undergraduate Research Symposium*, Springfield, MO. Poster presentation.
16. Meek, K.M. [UG], Bynum, J.D. [UG], O'Neal, C., Thomas, A.L., Russell, A.L., Burrow, J.K. [G] 2025. *CNAS Undergraduate Research Symposium*, Springfield, MO. Poster presentation.
17. Ekemezie, S. C. [G], Davis, C.C. [UG], Russo, M.V. [UG], Carpenter, L.P. [UG], Russell, A.L. 2025. *Einhellig Graduate Interdisciplinary Forum*, Springfield, MO. Oral presentation.
18. Ekemezie, S. C. [G], Davis, C.C. [UG], Russo, M.V. [UG], Carpenter, L.P. [UG], Russell, A.L. 2025. *Pollination Symposium, Society for Integrative and Comparative Biology*. Atlanta, GA.

2024

1. Ekemezie, S. C. [G], Davis, C.C. [UG], Russo, M.V. [UG], Carpenter, L.P. [UG], Russell, A.L. 2024. *Corteva DELTA symposium*. Johnston, IA.
2. Burrow, J.K. [G], Russell, A.L. 2024. Advancing American Elderberry Project Annual Scientific and Stakeholders Meeting, Stoney Creek Inn, Columbia, MO
3. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2024. *Missouri Academy of Sciences*. University of Central Missouri, MO. Poster presentation.
4. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2024. *Einhellig Graduate Interdisciplinary Forum*, Springfield, MO. Poster presentation.

5. Castagna, M. [G], Burrow, J. [UG], Stewart, C. [UG], Russell, A.L. 2024. *Einhellig Graduate Interdisciplinary Forum*, Springfield, MO. Poster presentation.
6. Moul, T. [UG], Castagna, M. [G], Mayberry, M. [G], Cockrum, K. [UG], Edge, K. [UG], Bynum, J. [UG], Russell, A.L. 2024. *CNAS Undergraduate Research Symposium*, Springfield, MO. Poster presentation.
7. da Silva¹, A.V. Weber, M.G., Nogueira, A., Vasconcelos, T.N., Russell, A.L., Lima, T.D., Melo, L.F., Leal, L.C. 2024. *International Botanical Congress, Madrid, SP.*
8. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2024. *MEEHubs2024*. Virtual poster presentation.
9. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2024. *Society for Integrative and Comparative Biology*, Seattle, WA.
10. Burrow, J. K. [UG], Wilkins, R. [T], Mayberry, M. M. [G], Novinger, A. N. [UG], Naumer, K. C. [UG], Muse, H. [UG], McCart, D. H. [UG], Russell, A. L. 2024. *Society for Integrative and Comparative Biology*, Seattle, WA.
11. Castagna, M. T. [G], Burrow, J. K. [UG], Stewart, C. G. [UG], Russell, A. L. 2024. *Society for Integrative and Comparative Biology*, Seattle, WA.

2023

1. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2023. *Missouri Botanical Symposium*, Rolla, MO.
2. Novinger, A. N. [UG], Burrow, J. K. [UG], Davis, C. [UG], Russell, A. L. 2023. *Interdisciplinary Biomedical Research Symposium*, A. T. Still University, MO.
3. Orr, M.C., D. Chesters, S. Bossert, A. Almeida, M. Branstetter, B.N. Danforth, A. Mosher [UG], V. Morales [UG], R. Kriebel, M. Kuhlmann, E. Murray, M. Vallejo-Marin, C.D. Zhu, Russell, A. L. 2023. *International Society of Hymenopterists, Iasi, Romania.*
4. Burrow, J. K. [UG], Wilkins, R. [T], Mayberry, M. M. [G], Novinger, A. N. [UG], Naumer, K. C. [UG], Muse, H. [UG], McCart, D. H. [UG], Russell, A. L. 2023. *Animal Behavior Society*, Portland, OR.
5. Novinger, A. N. [UG], Burrow, J. K. [UG], Davis, C. [UG], Russell, A. L. 2023. *Animal Behavior Society*, Portland, OR.
6. Castagna, M. T. [G], Burrow, J. K. [UG], Stewart, C. G. [UG], Russell, A. L. 2023. *Animal Behavior Society*, Portland, OR.
7. Mayberry, M. M. [G], Naumer, K. C. [UG], Novinger, A. N. [UG], McCart, D. M., Wilkins, R. [T], Muse, H. [UG], Ashman, T.L., Russell, A. L. 2022. *Einhellig Graduate Interdisciplinary Forum*, Springfield, MO.
8. Burrow, J. K. [UG], Francis, J. S., Dall, F. [UG], Campbell, P. [G], Bowe, M., Leonard, A., Russell, A.L., Mayberry, M. [G] 2023. *CNAS Undergraduate Research Symposium*, Springfield, MO.
9. Novinger, A. N. [UG], Naumer, K. C. [UG], McCart, D. M., Wilkins, R. [T], Muse, H. [UG], Ashman, T.L., Russell, A. L., Mayberry, M. M. [G] 2023. *CNAS Undergraduate Research Symposium*, Springfield, MO.
10. Castagna, M. [G], Burrow, J. [UG], Stewart, C. [UG], Russell, A.L. 2023. *Missouri Academy of Sciences*, Joplin, MO.
11. Stewart, C. [UG], Mirza, B., Russell, A.L., Afagwu, R. [G], 2023. *Missouri Academy of Sciences*, Joplin, MO.
12. Cullen, N., Russell, A.L., Ashman, T.-L. 2023. *Botany*, Boise, IN.
13. Jankauski, M., Russell, A.L., Buchmann, S.L. 2023. *Society for Integrative and Comparative Biology*, Austin, TX.
14. Castagna, M. [G], Burrow, J. [UG], Stewart, C. [UG], Russell, A.L. 2023. *Society for Integrative and Comparative Biology*, Austin, TX.
15. Afagwu, R. [G], Stewart, C. [UG], Mirza, B., Russell, A.L. 2023. *Society for Integrative and Comparative Biology*, Austin, TX.
16. Burrow, J. K. [UG], Francis, J. S., Dall, F. [UG], Campbell, P. [G], Bowe, M., Leonard, A., Russell, A.L., Mayberry, M. [G] 2023. *Society for Integrative and Comparative Biology*, Austin, TX.
17. Novinger, A. N. [UG], Naumer, K. C. [UG], McCart, D. M., Wilkins, R. [T], Muse, H. [UG], Ashman, T.L., Russell, A. L., Mayberry, M. M. [G] 2023. Best Student Presentation Finalist. *Society for Integrative and Comparative Biology*, Austin, TX.
18. Mosher, A.R. [UG], Papaj, D.R., Buchmann, S.L., Eltz, T., Russell, A.L. 2023. *Society for Integrative and Comparative Biology*, Austin, TX.

2022

1. Campbell, P. [G], Dall, F. [UG], Mosher, A. [UG], Trebing, K. [UG], Muse, H. [UG], Russell, A.L. 2022. *Einhellig Graduate Interdisciplinary Forum*, Springfield, MO.
2. Mayberry, M. [G], Ashman, T.L., Russell, A. L. 2022. *Animal Behavior Society*, San José, CR.

3. Burrow, J. K. [UG], Francis, J. S., Dall, F. [UG], Campbell, P. [G], Bowe, M., Leonard, A., **Russell, A.L.**, Mayberry, M. [G] 2022. *Animal Behavior Society*, San José, CR.
4. Mosher, A.R. [UG], Papaaj, D.R., Buchmann, S.L., Eltz, T., **Russell, A.L.** 2022. *Animal Behavior Society*, San José, CR.
5. Novinger, A. N. [UG], Naumer, K. C. [UG], McCart, D. M., Wilkins, R.[T], Muse, H. [UG], Ashman, T.L., **Russell, A. L.**, Mayberry, M. M. [G] 2022. *Animal Behavior Society*, San José, CR.
6. **Vallejo-Marin, M.**, **Nunes, C.E.P.**, **Russell, A.L.**, **Woodrow, C.**, **Montealegre-Z, F.** 2022. *Botany*, Anchorage, Alaska.
7. Mayberry, M. [G], Dall, F. [UG], Burrow, J. [UG], Campbell, P. [G], Bowe, M., Francis, J., Leonard, A., **Russell, A.L.** 2022. *Society for Integrative and Comparative Biology*, Phoenix, AZ.
8. Mosher, A.R. [UG], Papaaj, D.R., Buchmann, S.L., Eltz, T., **Russell, A.L.** 2022. *Society for Integrative and Comparative Biology*, Phoenix, AZ.
9. Wilkins, R.V. [T], Vallejo-Marín, M., Mayberry, M. [G], **Russell, A.L.** 2022. *Society for Integrative and Comparative Biology*. Virtual conference. (Poster)

2021

1. Mayberry, M. [G], Dall, F. [UG], Burrow, J. [UG], Campbell, P. [G], Bowe, M., Francis, J., Leonard, A., **Russell, A.L.** 2021. *Animal Behavior Society*, virtual conference
2. Morales, V. [UG], Mosher, A.R. [UG], **Russell, A.L.** 2021. *SACNAS*. Virtual conference.
3. **Russell, A.L.**, **Buchmann, S.L.**, **Zenil-Ferguson, R.**, **Jolles, D.**, **Kriebel, R.**, **Vallejo-Marin, M.** *Evolution*. Virtual conference.
4. Morales, V. [UG], Mosher, A.R. [UG], **Russell, A.L.** 2021. *Missouri Academy of Sciences*. Virtual conference. MO.
5. Mosher, A.R. [UG], Papaaj, D.R., Buchmann, S.L., Eltz, T., **Russell, A.L.** 2021. *Beta Beta Beta Scientific Society*. Virtual conference.
6. **Nevard, L. [G]**, **Foord, K.**, **Russell, A.L.**, **Vallejo-Marin, M.** 2021. *Botany*. Virtual conference.
7. Morales, V. [UG], Mosher, A.R. [UG], **Russell, A.L.** 2021. *Missouri Louis Stokes Alliance for Minority Participation*. Virtual conference. MO.
8. Mosher, A.R. [UG], Papaaj, D.R., Buchmann, S.L., Eltz, T., **Russell, A.L.** 2021. *Society for Integrative and Comparative Biology*. Virtual conference.

2020

1. Morales, V. [UG], Mosher, A.R. [UG], **Russell, A.L.** 2020. *Idea Network of Biomedical Research*. Virtual conference. AK.
2. Mosher, A.R. [UG], Papaaj, D.R., Buchmann, S.L., Eltz, T., **Russell, A.L.** 2020. *CNAS Undergraduate Research Symposium*. Springfield, MO.

TEACHING EXPERIENCE

Instructor, Biology Seminar (BIO 302) Redesigned and taught a career orientation seminar for undergraduates. Involves coordinating with the Service Learning program and its students. 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.	Spring 2022-present
Instructor, Introduction to Entomology (BIO 371) Designed and taught an entomology class for undergraduates. Missouri State University, MO. Cap: 24 students.	Spring 2020, Fall 2020-present
Instructor, Evolution (BIO 515/616) 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. Cap: 48 students/semester.	Fall 2019, Spring & Fall 2020-present
Instructor, Plant-Animal Interactions (BIO 504/604) Designed and taught a student-centered plant-animal interactions course for graduate students and advanced undergraduates. Missouri State University, MO. Cap: 24 students.	Fall 2019, Spring 2021, 2023, 2025
Instructor, Plant-Animal Interactions Graduate Course (Biosc 2540) Designed and taught a student-centered advanced plant-animal interactions course. University Pittsburgh, PA. 12 students.	Spring 2019
Guest lecturer, Biology Seminar (BIO 302) Mini-lectures to the ~100 undergraduate students in the course.	Fall 2019, 2021, 2025;

	Spring 2020
Guest lecturer, Population Biology (Biosc 1320)	
Designed and taught a paper discussion for an undergraduate population biology course. University Pittsburgh, PA. 40 students.	Spring 2018
Instructor, Behavioral Ecology Graduate Course (Biosc 2540)	
Designed and taught a student-centered advanced behavioral ecology course. University Pittsburgh, PA. 5 students.	Fall 2017
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. University of Pittsburgh, PA	Fall 2017
Instructor, 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. University of Arizona, AZ	Spring 2013
Graduate Associate, Teaching for Geological Perspectives (Geos 170A1)	
Taught weekly 2 hour study sessions and trained ~50 preceptors. Administered lecture activities and exams. University of Arizona, AZ	Fall 2012, Fall 2015
Undergraduate Assistant, Insect Biology Lab (Entom 2120)	
Assisted in arthropod collecting trips, taught proper insect handling, identification, and preservation, and exam grading. 20 students. Cornell University, NY	Fall 2009

MENTORING

Research Mentoring - mentee statements on my efficacy available upon request

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

Total: 44[UG], 10[G], 2[T]

Lab Mentees	Notable Achievements with the Lab	Role	Time Mentored
Tyson Holifield [UG]		Faculty mentor	S2026 - present
Savannah McCabe [UG]		Faculty mentor	S2026 - present
Jovita Ngene [G]		Faculty mentor	S2026 - present
Nivetha Srinivasan [UG]		Faculty mentor	F2025 - present
Alaina Morissey [UG]		Faculty mentor	F2025 - present
Kris Lopez [UG]		Faculty mentor	F2025 - present
Kaitlyn Pankratz [G]		Faculty mentor	F2025 - present
Maev Winchester [UG]		Faculty mentor	SU2025 - present
Katelin Meek [UG]	2025 MSU Outstanding Senior Award; 2025 Missouri Academy of Sciences (talk); 2025 CNAS Undergrad Research Symposium (poster); 2025 International Elderberry Symposium (talk)	Faculty mentor	F2024 - SU2025
Ashley White [UG]	2025 CNAS Undergrad Research Symposium (poster)	Faculty mentor	S2025 - SU2025
Joaquin Londres [UG]		Faculty mentor	S2025 - F2025
Oscar Peterson [UG]	2025 ABS Diversity Fund; 2025 ABS (poster); 2025 MO Botanical Symposium (poster); 2026 SICB (talk)	Faculty mentor	S2025 - present
Kierstin Howard [UG]		Faculty mentor	F2024 - S2025
Kendra Edge [UG][G]		Faculty mentor	S2024 - present
James Bynum [UG]		Faculty mentor	S2024 - S2025
Tabitha Moul [UG][G]	2023 CNAS Undergrad Research Symposium (poster) & 1 st place winner; 2024 Rountree Elementary outreach event; 2025 St. John's Green Team outreach event; 2025 Missouri Academy of Sciences (talk); 2025 MO Botanical Symposium (poster); 2026 SICB	Faculty mentor	F2023 - present

Leo Carpenter [UG]	(talk) 2024 Logan-Rogersville Summer School outreach event; 2024 TriBeta Honor Society research grant; 2025 Missouri Academy of Sciences (talk); 2025 CNAS Undergrad Research Symposium (poster)	Faculty mentor	F2023 - S2025
Marco Russo [UG]	2025 CNAS Undergrad Research Symposium (poster); 2025 Honors College Distinction Project;	Faculty mentor	F2023 - S2025
Success Ekemezie [G]	2023 led biology outreach event for IMPACT STEM; 2024 SICB invited manuscript; 2024 MSU Thesis Funding Grant; 2024 MSU travel grant; 2025 SICB research grant; 2025 SICB Steven Vogel Student Research Award; 2025 invited SICB (talk); 2025 Missouri Academy of Sciences (talk); 2025 ABS (talk); 2025 ABS Broadening Participation grant; defended June 30 th , 2025	Faculty mentor	F2023 - SU2025
Amanda Vieira da Silva, visiting PhD student		Faculty temp. mentor	SU2023
Charlotte Davis [UG]		Faculty mentor	F2022 - SU2024
Krista Cockrum [UG]		Faculty mentor	F2022 - F2023
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
Nevin Cullen, visiting PhD student		Faculty temp. mentor	F2022
Moth Castagna [G][T]	2023 SICB Research Grant; 2023 MSU Grad Travel 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); 2024 Sigma Xi Grant; 2024 SICB Mangum Travel Grant; 2024 SICB Broadening Participation Award; 2024 SICB Best Student Presentation (talk); 2024 Einhellig Graduate Interdisciplinary Forum (poster); 2025 co-authored paper	Faculty mentor	SU2022 - SU2024
Rita Afagwu [G]	2022 MSU Summer Fellowship; 2023 MSU Grad Travel Grant; 2023 SICB Grants (Mangum & Broadening Participation); 2023 SICB (poster); 2023 MSU Thesis Funding Grant; 2023 3 Min. Thesis Comp.; 2023 Missouri Botanical Symposium (poster); 2023 led biology outreach event for IMPACT STEM; 2024 SICB Mangum Travel Grant; 2024 SICB (talk); 2024 MEEhubs (poster); 2024 Missouri Academy of Sciences (poster); 2024 Einhellig Graduate Interdisciplinary Forum (poster); defended Oct 29 th , 2024; 2025 co-authored paper	Faculty mentor	SU2022 - SU2024
Annaliese Novinger [UG]	2023 SICB Mangum Travel Grant; 2023 SICB (DAB best student presentation talk); 2023 CNAS Undergrad Research Symposium (poster); 2023 Honors College Distinction Project and Thesis; 2023 ABS (talk); 2023 Interdisciplinary Biomedical Research	Faculty mentor	S2022 - SU2023

	Symposium (poster); 2024 co-authored paper;		
Ciara Stewart [UG]	2023 SICB Broadening Participation Grant;	Faculty mentor	S2022 - S2024
	2023 MO Acad. of Sciences (poster);		
Haley Muse [UG]		Faculty mentor	F2021 - SU2022
Katie Naumer [UG]	2022 MSU Outstanding Senior Award; 2024	Faculty mentor	F2021 - SU2022
	co-authored paper;		
Rachel Wilkins [T]	2022 SICB (poster); 2022 co-authored paper;	Faculty mentor	SU2021-SU2022
	2024 co-authored paper;		
Jenny Burrow [UG][G]	2022 ABS (poster); 2022 SICB Mangum	Faculty mentor	SU2021 - F2023,
	Travel Grant; 2023 SICB (poster); 2023		SU2024 - present
	CNAS Undergrad Research Symposium		
	(poster); 2023 ABS (talk); 2024 SICB		
	Mangum Travel Grant; 2024 SICB (talk);		
	2024 Logan-Rogersville Summer School		
	outreach event; 2024 co-authored paper; 2024		
	invited talk elderberry conference; 2024 MSU		
	Thesis Funding Grant; 2025 SICB research		
	grant; 2025 International Elderberry		
	Symposium (talk); 2025 ESA (talk); 2025 co-		
	authored paper		
Kate Trebing [UG]	2021 CNAS Sarah Elsea Research	Faculty mentor	SU2021 - S2022
	Scholarship; 2021 Ozark Middle School		
	outreach; 2022 Missouri State Foundation		
	Scholarship		
Dalton McCart [UG]	2024 co-authored paper;	Faculty mentor	SU2021 - F2021
Evelyn VanDenBerg [UG]		Faculty mentor	SU2021
Faith Dall [UG]	2021 Ozark Middle School outreach; 2024 co-	Faculty mentor	F2020 - SU2021
	authored paper;		
Randie Rogers [UG]		Faculty mentor	F2020
Vanessa Morales [UG]	2020 INBRE (talk) honorable mention; 2021	Faculty mentor	F2020 - S2021
	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; 2024 co-authored paper;		
Maggie Mayberry [UG][G]	2020 Ozark Middle School outreach; 2021	Faculty mentor	SU2020 - S2023
	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; 2024 two co-authored papers;		
Parker Campbell [G]	2020 MSU Summer Fellowship; 2021 SICB	Faculty mentor	SU2020 - S2022
	Research Grant; 2021 MSU Thesis Funding		
	Grant; 2021 Springfield Conservation Nature		
	Center outreach; 2022 Frank Einhellig		
	Graduate Interdisciplinary Forum presentation		
	(talk); 2024 one co-authored paper; defended		
	Sept 6 th , 2024.		
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); 2024 one co-authored paper;	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

Cole Roman (Bio)	Summer 2024
Abigail Nagl (Bio)	Spring 2024 - Spring 2025
Madyson Neff (Bio)	Fall 2023 - ???
Jade Bailey (Bio)	Spring 2023 - ???
Brianne Edwards (Bio)	Fall 2022 - Spring 2023
Aleana Savage (Bio)	Fall 2022 - Spring 2024
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 Student Mentoring

Mentor for the SICB 2026 Conference Mentoring Program	Winter 2026
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 22 undergraduates, Missouri State University, MO	Fall 2025
Advisor for 13 undergraduates, Missouri State University, MO	Spring 2025
Advisor for 17 undergraduates, Missouri State University, MO	Fall 2024
Advisor for 17 undergraduates, Missouri State University, MO	Spring 2024
Advisor for 17 undergraduates, Missouri State University, MO	Fall 2023
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

Professional external service (as MSU faculty):

• Animal Behavior Society Career Diversity Travel Award subcommittee	Spring 2025
• SySTEM BIO-LEAPs Animal Behavior Society Diversity Committee liaison	Summer 2024-2025
◦ \$2000 stipend annually for 3 years – funding terminated by NSF in Summer 2025	
• SICB Session Chair for the Division of Animal Behavior Best Student Presentation (Marlene Zuk Award), Seattle, WA.	Winter 2023-2024
• Board Member of the International Commission for Plant-Pollinator Relationships (ICPPR)	Fall 2023-present
• 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
• 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
• 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
- Animal Behavior Society Turner Awards subcommittee Spring 2021, 2025
- Associate Editor for the journal Arthropod-Plant Interactions (APIS) Fall 2021-present
 - Handled 27 total manuscripts: 2024 [7]; 2023 [8]; 2022 [11]; 2021 [1]
- NSF Advance Grant Communication Plan representative Fall 2021-Spring 2022
- Co-Session Chair 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 Summer 2021
 - Received \$4000 to organize a 2.5 hour (J.E.D.I.) workshop to improve inclusive mentoring. Invited speakers and panelists received honoraria
- 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
- Reviewer for peer-reviewed journals and grant agencies (2015-present)
 - *Global Change Biology (1x); Functional Ecology (1x); iScience (1x); Integrative and Comparative Biology (1x); Environmental Microbiology (1x); The Southwestern Naturalist (1x), American Journal of Botany (2x), Animal Behaviour (5x), Annals of Botany (5x) (*Andrea Fetters), Apidologie (2x), Arthropod-Plant Interactions (2x), Behavioral Ecology (3x), 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 Rebolleda-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), Royal Society Open Science (1x), JoVE (1x), Methods in Ecology & Evolution (2x), Naturwissenschaften (2x), New Phytologist (*Zach Portman) (1x), New Phytologist (with Daniel Papaj) (1x), Oecologia (with Daniel Papaj) (1x), PeerJ (4x), Philosophical Transactions B (1x), Proceedings B (3x), Plant Biology (2x), PLoS One (2x), Scientific Reports (1x), The American Naturalist (2x), The Canadian Entomologist (1x), Journal of Ecology (1x), Austrian Science Fund 2021 proposal, NSF-BSC 2024 proposal; NSF-DEB 2017 proposal; NSF-DDIGs 2015; [Publons.com peer review profile identifier](#)*

Reviewer for
67 manuscripts
or proposals

*Invited these
co-reviewers

**37 reviewed as
MSU faculty**

University internal service (Missouri State University):

- Success for All Graduate Students Task Force Fall 2025-present
- Bear Bridge Mentor, Missouri State University Fall 2025
- Master of Natural and Applied Science (MNAS) Department of Biology Coordinator Fall 2025
- Moderator for two sessions of the FCTL 39th Showcase on Teaching & Learning Summer 2024
- MSU pre-medical committee member Summer 2024-present
- 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
- Ad Hoc Graduate Assistantships Workgroup member Fall 2021-Spring 2022
- Inclusive Admissions Committee member, Missouri State University Fall 2020-Spring 2021
 - Advocate for diversity, equity, and inclusion in graduate admissions at MSU

College internal service (CNAS, Missouri State University):

- CNAS representative on the FCTL Advisory Council Fall 2023-Spring 2027

- Advisor for the Missouri State University Students for a Sustainability Future Club Fall 2023-S2025
- Judge for the 30th Annual Einhellig Interdisciplinary Forum (EIDF) at MSU, MO Spring 2023
- Co-Advisor for the Missouri State University Wildlife Society Spring 2023-present
- CNAS Student Research Committee member Fall 2022-present
- Advisor for the Missouri State University Bee Keeping Club Spring 2021-Fall 2022
- 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, 2023
 - Volunteer to provide information to students about biology and CNAS majors
- Advisor for the Missouri State University Aerialist Club Fall 2019-Fall 2022
- CNAS Diversity Committee member, Missouri State University Fall 2019-Spring 2025
 - Advocate for diversity, equity, and inclusion in the College of Natural and Applied Sciences
- CNAS Greenhouse Committee member, Missouri State University Fall 2019-present

Department internal service (Biology, Missouri State University):

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- Search Committee member for Assist. Professor (Animal Ecology), Missouri State University Fall 2024-Spring 2025
 - Search Committee member for Assist. Professor (Microbiology), Missouri State University Fall 2023
 - MSU BMS-BIO Course Alignment Committee member Fall 2023
 - Department of Biology Diversity Award Committee member Spring 2022
 - Substitute Senator for a Missouri State University Faculty Senate meeting Fall 2021
 - Search Committee member for Assist. Professor (Organismal Conservation Biologist), Missouri State University Fall 2021
 - Search Committee member for Visiting Assist. Professor, Missouri State University Spring 2021
 - Department of Biology Teaching Award Committee member Spring 2021
 - Wildlife Conservation and Management Committee member, Department of Biology, Missouri State University Fall 2019-present

Professional and Academic service prior to MSU faculty:

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- Co-organizer for the Animal Behavior Society 2019 Cultural Competency Workshop Animal Behavior Society meeting 2019
 - Guest speaker, General Biology (BIOSC 0067), University of Pittsburgh Summer 2019
 - Co-interviewee with Dr. Raine Kaczorowski for an Allerdice High School student Summer 2019
 - Course judge for Pittsburg Ecology and Evolution Postdoctoral fellowship applicants Spring 2019
 - Skype-in guest speaker, Biology of Sex Undergraduate Course (BIOL 3041), University of Cincinnati Spring 2019
 - Co-organizer for a *European Society for Evolutionary Biology 2019* symposium ESEB 2019
 - Selection of plant taxa for the Penn State University *Arboretum Pollinators' Garden* Fall 2018-present
 - Pollination outreach showcase, University of Pittsburgh retreat Fall 2018
 - *2018 Three Rivers Evolution Event* committee member, UP Summer-Fall 2018
 - Abstract judge, *International Society for Behavioral Ecology 2018* Spring 2018
 - *2017 Three Rivers Evolution Event* organizing committee (1 of 6 members), UP Summer-Fall 2017
 - Graduate Student Representative, Department of Entomology, UA Spring 2014-Fall 2016
 - *Pacific Branch Entomological Association of America* volunteer Spring 2015
 - *Henry Hagedorn Speakership* host / coordinator, Entomology & Insect Science, UA Spring-Fall 2015
 - *Travel Grants Judge*, Graduate Professional Student Council, UA March 2015
 - *President of the Entomology Graduate Student Association*, UA Fall 2014-Spring 2015
 - *Vice President of the Entomology Graduate Student Association*, UA Fall 2013-Spring 2014

COMMUNITY ENGAGEMENT

OUTREACH EVENTS & PUBLIC TALKS as MSU faculty:

Pollination outreach to St. John's Episcopal Church 'Green Team'	Spring 2025
One 2 hour outreach event with lab member Tabitha Moul. ~15 attendees	
Pollination outreach to Rountree Elementary School	Fall 2024
One 60 minute outreach event to 5 th graders with lab member Tabitha Moul. ~26 attendees	
Entomology outreach to Logan-Rogersville Summer School	Summer 2024
Two 45 minute outreach events with ~30 first graders each	
Lab research presentation and tour for TriBeta Biology Honors Society undergraduate club	Spring 2024
Gave and hosted 30 minute presentation and 30 minute lab tour to Missouri State University TriBeta club members. ~15 attendees	
STEM Awareness outreach event by IMPACT	Fall 2023
Co-led by lab members Success Ekemezie and Rita Afagwu: community outreach at Life360. ~50 attendees.	
Bees Across Borders: A (Virtual) Fire Side Chat with Bumble Bee Researchers from U.S. and Iceland for National Pollinator Week	Summer 2023
1 hour interview and presentation hosted by Meghan Orman (University of Pittsburgh), alongside Dr. Kristján Kristjánsson (Reykjavik University): 19 adult attendees (non-scientist self-identified bee enthusiasts)	
Bee sociobiology and biodiversity talk to the Missouri State University Wildlife Society	Spring 2023
~30 undergraduate attendees	
Ozark Science and Engineering Fair grand judge and biology prize judging	Spring 2022, 2023
Conferring with the grand judges to select a winner to go to nationals and to select the biology winner to receive a \$1000 work study bonus if they attend MSU	
Bee sociobiology and biodiversity talk to the Missouri State University Wildlife Society	Spring 2022
~15 undergraduate attendees	
Entomology outreach at Ozark Middle School	Summer 2020-2021
In 2021, co-led by lab members Maggie Mayberry and Faith Dall: 6 th -8 th grade students in two 80 minute entomology activities. 16 attendees. In 2020, co-led with lab member Maggie Mayberry: 6 th -8 th grade students in two 60 minute entomology activities. ~40 attendees.	
Beekeepers Association of the Ozarks	Spring 2021
Gave bee and buzz pollination talk (with lab member Maggie Mayberry) to ~30 beekeepers	
Springfield Conservation Nature Center	Summer 2020
Gave two plant-pollinator-microbe talks (with lab member Parker Campbell) to 26 Nature Center volunteers	
Discovery Center Springfield, Springfield, MO	Spring 2020
Led 21 3rd-8 th grade students in two 30 minute pollination activities	
Bee sociobiology and health talk to the Missouri State University Bee-Keeping Club	Spring 2020
Plants, Pollinators & People event hosted by the Nature Conservancy Western Ozark Water Coordinator, Sierra Club. Church of Unity, Springfield	Spring 2020
Panelist (1 of 6) giving expertise on pollination ecology. ~100 attendees.	

OUTREACH EVENTS, PUBLIC TALKS, POSITIONS HELD prior to MSU faculty

3 outreach positions held, 19 events organized or attended, ~24,256 members of the public served

RESEARCH PRESS

As MSU faculty:

Plant Science Research Weekly – feature written by American Society of Plant Biologists	Oct 31, 2025
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- URL: <https://plantae.org/plant-science-research-weekly-october-31-2025/>
CNAS NewsWatch – interview with Ethan Danner June 28, 2024
 URL: <https://blogs.missouristate.edu/cnas-newswatch/2024/06/28/examining-the-ecological-role-of-bee-buzzing-in-pollination/>
- Missouri State University Spotlight** – interview by Abilene Mosher Feb 27, 2024
 URL: <https://www.missouristate.edu/spotlights/?id=6411>
- 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 Society of America May 25, 2021
 URL: <https://entomologytoday.org/2021/05/25/making-entomology-more-welcoming-a-very-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>

Prior to MSU faculty:

total from 2016 - 2019: 18 interviews / articles

OTHER PRESS

As MSU faculty:

- KY3 News** – interview with local Springfield news channel on stink bug overwintering behavior Oct 20th 2025
 On television only
- Science** – interview with Alice Sun about buzz pollination behavioral mechanics Aug 29th 2024
 URL: <https://www.science.org/content/article/head-banging-bumble-bees-bite->

- flowers-shake-loose-more-pollen
- Science** – interview with Catherine Offord about electrostatic-aided pollen transport July 24, 2024
 URL: <https://www.science.org/content/article/static-electricity-may-help-butterflies-pick-pollen-without-touching-flowers>
- ScienceNews** – interview with Darren Incorvaia, freelance science journalist, about pollen stealing honey bees Jan 23, 2024
 URL: <https://www.sciencenews.org/article/honeybees-italy-steal-pollen-bumblebees>
- Good Housekeeping** – interview with Emily Yeap of MSU Strategic Communication about June Beetles for an American women's magazine May 17, 2023
 URL: <https://www.goodhousekeeping.com/home/a43894302/get-rid-of-june-bugs-beetles-bite/>
- BioGraphic** – interview with Annie Roth about cactus bees for the National Geographic Magazine June, 2023
 In print only
- 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 Jan 4, 2023
 URL: <https://www.science.org/content/article/some-bumble-bees-may-be-hyperventilating-world-warms>
- BioGraphic** – interview with Stephanie Stone about cactus bees for the California Academy of Sciences' BigPicture Photography Competition June 9, 2022
 URL: <https://www.biographic.com/the-big-picture-2022/>
- The Standard** – interview with Tinsley Merriman about graduate program advocacy work Apr 5, 2022
 URL: https://www.the-standard.org/campus_life/graduate-students-seek-increased-benefits-a-cross-departments/article_f1ce47f4-b519-11ec-b779-7be58d3a752b.html
- The Standard** – interview with Taylor Pinon Mar 4, 2022
 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-9a79-4fcdb82bc8c1.html
- 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/>
- 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/>

PROFESSIONAL AFFILIATIONS

Member

Society for the Study of Evolution (SSE)	2019-2020
International Commission for Plant-Pollinator Relationships (ICPPR)	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)	2014-2019
Entomological Society of America (ESA)	2014-2020
International Congress for Neuroethology (ISN)	2010-2014