

## ROBIN M. TINGHITELLA

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### Education and Training

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- Ph.D. University of California - Riverside, 2008  
Evolution, Ecology, & Organismal Biology  
Advisor: Marlene Zuk; Committee Members: Cheryl Hayashi, Derek Roff
- B.S. University of Portland, 2002  
Biology, Magna Cum Laude

### Professional Positions

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- 2020- Associate Professor, Department of Biological Sciences, University of Denver  
2013-20 Assistant Professor, Department of Biological Sciences, University of Denver  
2010-13 Postdoctoral Researcher in the laboratories of Drs. Janette Boughman and Thomas Getty,  
Michigan State University, Kellogg Biological Station  
2009-10 Postdoctoral Researcher in the laboratory of Dr. Elizabeth Tibbetts, Department of Ecology  
and Evolutionary Biology, University of Michigan

### Other Leadership Roles

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- 2022- **Associate Chair, Department of Biological Sciences, University of Denver.**  
2023- **Mentoring Liaison for DU's MERISTEM NSF ADVANCE Grant.** Creating mentorship programs and systemic change that support women and intersectional individuals in the STEM fields.  
2022- **Co-chair for DU's iChange Task Force.** Appointed by the Provost. Developing the university's action plan to promote culture change and improve practices around hiring and retention of a diverse faculty in collaboration with the Aspire Alliance's Institutional Change Network.  
2022- **Mentoring Across Difference Faculty Leader.** Selected as one of 14 faculty leaders across campus to develop university-level faculty mentoring programs. Nominated by Associate Deans, directors, and other campus leaders.  
2022-24 **Elected Council Member, Society for the Study of Evolution.** One of fourteen elected to represent the members of this international society.  
2020-21 **Mentoring and Onboarding Across Ranks and Series Committee.** Appointed by the Vice Provost for Faculty Affairs. Developing DU's first mentorship program for new faculty.  
2008-9 &  
2010-13 **Project Manager, K-12 Partnership at Kellogg Biological Station.** Oversaw community-engaged research on bioenergy production and professional development programming for teachers.

Awards and Other Recognition

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- 2020 **Faculty Career Champion.** Nominated by graduating students for supporting student career and post-graduation goals.
- 2019 **Excellence in Research.** Department of Biological Sciences. University of Denver.
- 2019 **Faculty Career Champion.** Nominated by graduating students for supporting student career and post-graduation goals.
- 2018 **Excellence in Teaching.** Department of Biological Sciences. University of Denver.
- 2018 **Faculty Career Champion.** Nominated by graduating students for supporting student career and post-graduation goals.
- 2017 **Faculty Career Champion.** Nominated by graduating students for supporting student career and post-graduation goals.
- 2016 **Excellence in Service.** Department of Biological Sciences. University of Denver.
- 2014 **Outstanding Junior Faculty.** Department of Biological Sciences. University of Denver.
- 2008 **Warder Clyde Allee Award** for Best Paper and Presentation, awarded to a single newly minted PhD each year, Animal Behavior Society.
- 2006 **Excellence in Teaching Award,** Department of Evolution, Ecology, and Organismal Biology, University of California - Riverside.
- 2006 **Best Poster,** Sex Matters Conference, University of California - Riverside.
- 2004 **National Science Foundation Graduate Research Fellowship Program,** Honorable Mention.

Relevant Training

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- 2021 **Certified 'Entering Mentoring' Facilitator.** Center for the Improvement of Mentored Experiences in Research (CIMER).
- 2020 **Community Engaged Teaching Fellow.** University of Denver, Office of Teaching and Learning.
- 2020 **Faculty Institute for Inclusive Teaching.** University of Denver, Office of Teaching and Learning.
- 2019 **Science Communication Experience.** Alan Alda Center for Communicating Science at Stony Brook University.

Extramural Funding

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2023-25	National Science Foundation, Small Grant, IOS – Behavioral Processes PI: E.D. Broder (Tinghitella lab postdoc), Co-PI: R.M. Tinghitella "The role of plasticity in the evolution of novelty in animal communication"	\$199,999
2020-24	National Science Foundation, DEB – Evolutionary Processes PI: E.L. Larson, Co-PI: R.M. Tinghitella "The evolution and maintenance of variable species boundaries." Total Award Includes \$112,359 in supplemental funding	\$1,613,157
2019-25	National Science Foundation, CAREER, IOS – Behavioral Processes PI: R.M. Tinghitella "CAREER: Linking the contemporary evolution of animal communication and science communication in our communities."	\$1,113,604

	Total \$ Award Includes \$323,312 in supplemental funding	
2020-23	Morris Animal Foundation Grant PI: R.M. Tinghitella "Immune and reproductive costs of anthropogenic noise."	\$95,989
2019-21	National Science Foundation, RCN – UBE Co-PI: R.M. Tinghitella (PI: S.M. Murphy, Co-PIs: A. Sher, E. Larson, P. Martin) "RCN-UBE Incubator: Enhancing undergraduate biology education through improved science communication"	\$74,975
2019-20	Franklin Research Grant, American Philosophical Society PI: R.M. Tinghitella "Purring crickets of Hawaii: the evolution of a novel animal signal"	\$6,000
2018-19	Jefferson County Open Space PI: R.M. Tinghitella "Sex in the noisy city: Effects of anthropogenic noise on fitness."	\$4,759
2016-17	National Science Foundation, IOS – Behavioral Processes Co-PI: R.M. Tinghitella (PI: A. Lackey, Co-PI: M. Martin) "Travel support for diverse early career scientists to attend the 16th Congress of the International Society for Behavioral Ecology, 2016."	\$20,000
2015-16	Society for the Study of Evolution Small Grant for Local and Regional Outreach PI: R.M. Tinghitella "DU SciTech: A STEM summer camp for girls from underrepresented backgrounds."	\$916
2010-12	BEACON Center for the Study of Evolution in Action PI: R.M. Tinghitella (Co-PIs: J. Boughman, T. Getty, C. Klausmeier) "Sexual signaling evolutionary dynamics."	\$44,500
2010-15	National Science Foundation, Graduate STEM Fellows in K-12 Education Co-PI: R.M. Tinghitella (PI: T. Getty and Co-PIs: K. Gross, G.P. Robertson, J. Lau, A. Anderson) "Using the STEM dimensions of bioenergy sustainability to bring leading-edge graduate research to K-12 learning settings."	\$2.6M

Intramural Funding

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2020-2022	Professional Research Opportunities for Faculty (PROF) Grant "Parallel divergence in male signal evolution." (Co-awarded with E. Larson)	\$20,000
2019-2020	Center for Community Engagement and Service Learning (CCESL) Public Good Fund (Co-awarded with S. Murphy and J. Hoffman)	\$20,000

	"DU SciTech 2019: Building STEM identification and scientific self-efficacy with girls of color in Denver"	
2019-2020	Olin Faculty Development Award (Co-awarded with S. Murphy) "Bringing science communication education and outreach to DU."	\$8,220
2018-2020	Faculty Internationalization Grant "Faculty strategic partnership with Lund University."	\$7,685
2018-2020	Knoebel Institute for Healthy Aging Pilot Grant (Co-awarded with S. Murphy) "Effects of maternal and grand-maternal aging on offspring health and longevity."	\$40,000
2015-18	University of Denver Research Post-Doctoral Fellows Award (Co-awarded with S. Murphy)	\$65,000
2017-18	Center for Community Engagement and Service Learning (CCESL) Public Good Fund (Co-awarded with S. Murphy and J. Hoffman) "DUSciTech 2017: Pathways to STEM careers for girls of color and low-income girls in Denver."	\$15,000
2016-17	CCESL Public Good Fund (Co-awarded S. Murphy and J. Hoffman) "DU SciTech: A STEM summer camp for girls from underrepresented backgrounds at the University of Denver."	\$18,884
2016-17	CCESL STEM Education Mini-grant	\$750
2016	CCESL Engaged Scholar Program - High Impact STEM Education	\$750
2014-16	Professional Research Opportunities for Faculty (PROF) Grant "The genomics of rapid morphological and behavioral change in mating signals." (Co-awarded with T. Quinn)	\$29,154
2015-16	One New Thing Grant, Office of Teaching and Learning	\$500
2015-16	Olin Faculty Development Award (Co-awarded with S. Murphy)	\$3,390
2014,15	3X Marsico Visiting Scholar Grant	\$4100

Peer-Reviewed Publications

Avg >4 pubs/year as a faculty member

\*\* denotes undergraduate student co-author

^ denotes co-first authors

\* denotes graduate student co-author

~ denotes middle school student co-author

51. Wikle, A.W.\*, Broder, E.D., Gallagher, J.H.\*, and **Tinghitella, R.M.** Accepted. Percussive vibrations in newly discovered cricket morphs. [Behavioral Ecology](#).

50. Bieber, B.V.\*, Welsh, G.T.\*, Vidal, M.C., Lehto, W.R., Lehmer, E.M., **Tinghitella, R.M.**, and Murphy, S.M. 2023. Disease Ecology: Can plant disease affect human health? [National Center for Case Study Teaching in Science](#). <https://www.nsta.org/ncss-case-study/disease-ecology> .

49. Broder, E.D., Gallagher, J.H.\*, Wikle, A.W.\*, Welsh, G.T.\*, Zonana, D.M., Firmino, T.J., **Tinghitella, R.M.** 2023. A well-studied parasitoid fly uses multiple alternative hosts in its introduced range. Evolutionary Ecology. <https://doi.org/10.1007/s10682-022-10225-1>.
48. Gallagher, J.H.\*, Zonana, D., Broder, E.D., Herner, B.\*\*\*, **Tinghitella, R.M.** 2022. Decoupling of sexual signals and their underlying morphology during rapid phenotypic diversification. Evolution Letters. <https://doi.org/10.1002/evl3.302>.
47. Broder, E.D., Gallagher, J.H.\*, Wikle, A.W.\*, Venable, C.P., Zonana, D.M., Ingley, S.J. Smith, T.C.\*\*\*, **Tinghitella, R.M.** 2022. Behavioral responses of a parasitoid fly to rapidly evolving host signals. Ecology & Evolution. 12:e9193. DOI: 10.1002/ece3.9193.
46. Jenck, C.S.\*, Lehto, W.R., Hunnicutt, K., Murphy, S.M., Quinn, T.W., Larson, E.L., **Tinghitella, R.M.** 2022. Genetic divergence among threespine stickleback that differ in nuptial coloration. Journal of Evolutionary Biology. 35: 934-947.
45. The Global Urban Evolution Project. 2022. Parallel environmental and evolutionary change in response to urbanization on a global scale. Science. (1 of 288 authors).
44. Fitzgerald, S.L.\*\*\*, Anner, S.C.\*\*\*, **Tinghitella, R.M.** 2022. Varied female and male courtship behavior facilitated the evolution of a novel sexual signal. Behavioral Ecology. 33(4): 859-867.
43. Smith, T.\*\*\*, Broder, E.D., **Tinghitella, R.M.**, Ingley, S. 2021. Using inter-institutional collaboration to generate publishable findings through course-based undergraduate research experiences. American Biology Teacher. 83(7): 451-457.
42. Murphy, S.M., Vyas, D.K., Hoffman, J.L., Jenck, C.\*, Washburn, B.A.\*, Hunnicutt, K.E.\*, Davidson, A.\*, Andersen, J.M.\*, Bennet, R.K.\*, Gifford, A.~, Herrera, M.~, Lawler, B.~, Lorman, S.~, Peacock, V.~, Walker, L.~, Watkins, E.~, Wilkinson, L.~, Williams, Z.~, **Tinghitella, R.M.** 2021. Streetlights positively affect the presence of an invasive grass species. Ecology and Evolution. 11: 10320–10326.
41. Classen-Rodríguez, L.\*\*, **Tinghitella, R.M.**, Fowler-Finn, K. 2021. Anthropogenic noise affects insect and arachnid behavior, thus changing interactions within and between species. Current Opinion in Insect Science. <https://doi.org/10.1016/j.cois.2021.06.005>
40. **Tinghitella, R.M.**^, Broder, E.D.^, Gallagher, J.H.\*, Wikle, A.\*, Zonana, D.M. 2021. Responses of intended and unintended receivers to a novel sexual signal suggest clandestine communication. Nature Communications. 12: 797.
39. Broder, E.D., Elias, D.O., Rodriguez, R., Rosenthal, G.G., Seymoure, B., **Tinghitella, R.M.** 2021. Evolutionary novelty in communication between the sexes. Biology Letters.16: 20200733.
38. Broder, E.D., Wikle, A.W.\*\*\*, Gallagher, J.H.\* & **Tinghitella, R.M.** 2021. Substrate-borne vibration in *Teleogryllus oceanicus* courtship displays. Journal of Orthoptera Research. 30(1): 43-50.

37. **Tinghitella, R.M.**, Lackey, A.C.R., Durso, C., Koop, J.A.H., Boughman, J.W. 2020. The ecological stage changes benefits of mate choice and drives preference divergence. Philosophical Transactions of the Royal Society B. 375: 20190546.
36. Bowen, A.E.\*\*, Gurule-Small, G.A.\* & **Tinghitella, R.M.** 2020. Anthropogenic noise reduces male reproductive investment in an acoustically signaling insect. Behavioral Ecology and Sociobiology. 74:103.
35. Jenck, C.S.\*, Lehto, W.R.\*, Ketterman, B.T.\*\*, Sloan, L.F.\*\*, Sexton, A.N.\*\*, **Tinghitella, R.M.** 2020. Phenotypic divergence between stickleback that differ in nuptial coloration. Ecology and Evolution. <https://doi.org.10.1002/ece3.6105>
34. Wilson, J.D.\*, Anner, S.C.\*\*, Murphy, S.M. & **Tinghitella, R.M.** 2020. Consequences of advanced maternal age on reproductive investment of male offspring. Journal of Orthoptera Research. 29(1): 71-76.
33. Lehto, W.\* and **Tinghitella, R.M.** 2019. Predator-induced maternal and paternal effects independently alter sexual selection in the threespine stickleback. Evolution. 74(2): 404-418.
32. Larson, E.L., **Tinghitella, R.M.**, Taylor, S.A. 2019. Insect hybridization and climate change. Frontiers in Ecology and Evolution. 7:348.
31. Vidal, M.C.\*, Quinn, T.W., Stireman, J.O., **Tinghitella, R.M.**, Murphy, S.M. 2019. Geography is more important than host plant use for the population genetic structure of a generalist insect herbivore. Molecular Ecology. 28: 4317-4334.
30. Broder, E.D., Guilbert, K.E., Ghalambor, C.K., **Tinghitella, R.M.**, Murphy, S.M., Angeloni, L.M. 2019. Authentic science with dissemination increases self-efficacy of middle school students. Integrative and Comparative Biology. 59(6): 1497-1508.
29. Keagy, J., Minter, R.M.\* and **Tinghitella, R.M.** 2019. Sex differences in cognition and their relationship to male mate choice. Current Zoology. 65(3): 285-293.
28. Gurule-Small, G.A.\* & **Tinghitella, R.M.** 2019. Life history consequences of developing in anthropogenic noise. Global Change Biology. 25(6): 1957-1966.
27. Lehto, W.\* and **Tinghitella, R.M.** 2019. Joint maternal and paternal stress increases the cortisol in their daughters' eggs. Evolutionary Ecology Research. 20: 133-144.
26. **Tinghitella, R.M.**, Broder E.D., Gurule-Small G.A.\*, Hallagan, C.\*, Wilson, J\*. 2018. Purring crickets: The evolution of a novel sexual signal. The American Naturalist. 192(6): 773-782.  
\*Featured on Project Biodiversify: <https://projectbiodiversify.org/robin-tinghitella>
25. **Tinghitella, R.M.**, Lackey, A.R., Martin, M., Dijkstra, P., Drury, J.P., Heathcote, R., Keagy, J., Scordato, E.S.C., & Tyers, A. 2018. A major player need not be the only player in speciation: a response to comments on Tinghitella et al. Behavioral Ecology. 29(4): 802-803.

24. Lehto, W.R.\*, Murphy, S.M., Vidal, M.C.\*, & **Tinghitella, R.M.** 2018. Life tables, Darwin's finches, and the dynamics of small island populations. National Center for Case Study Teaching in Science. [http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case\\_id=987&id=987](http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=987&id=987).
23. Gurule-Small, G.A.\* & **Tinghitella, R.M.** 2018. Developmental experience with anthropogenic noise hinders adult mate location in an acoustically signaling invertebrate. Biology Letters. 14: 20170714.
22. Tibbetts, E.A., Fearon, M.L., Wong, E., Huang, Z. & **Tinghitella, R.M.** 2018. Rapid juvenile hormone downregulation in subordinate wasp queens facilitates stable cooperation. Proceedings of the Royal Society B: Biological Sciences. 285: 20172645.
21. **Tinghitella, R.M.**, Lehto, W.R.\* & Lierheimer, V.F.\*\*. 2018. Color and behavior differently predict competitive outcomes for divergent stickleback color morphs. Current Zoology. 64(1): 115-123.
20. **Tinghitella, R.M.**, Lackey, A.R., Martin, M., Dijkstra, P., Drury, J.P., Heathcote, R., Keagy, J., Scordato, E.S.C., & Tyers, A. 2017. On the role of male competition in speciation: a review and research agenda. Behavioral Ecology. 29(4): 783-797. -- Recognized as a highly cited paper in 2019.
19. Vidal, M.C.\*, Grenis, K.\*, Lehto, W.R.\*, **Tinghitella, R.M.** & Murphy, S.M. 2017. Butterfly Hunt: the role of density dependence in Batesian and Mullerian mimicry. National Center for Case Study Teaching in Science. [http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case\\_id=946&id=946](http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=946&id=946).
18. Grenis, K.\*, Lehto, W.R.\*, Murphy, S.M., Vidal, M.C.\* & **Tinghitella, R.M.** 2017. Animals on treadmills: the importance of basic research. National Center for Case Study Teaching in Science. [http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case\\_id=926&id=926](http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=926&id=926).
17. Minter, R.\*, Keagy, J., & **Tinghitella, R.M.** 2017. The relationship between male sexual signals, cognitive performance, and mating success in stickleback fish. Ecology and Evolution. 7(15): 5621-5631.
16. Lierheimer, V.F.\*\* & **Tinghitella, R.M.** 2017. Quality and quantity of available mates alters female responsiveness but not investment in the Pacific field cricket, *Teleogryllus oceanicus*. Behavioral Ecology and Sociobiology. 71(5): 80.
15. Murphy, S.M., Battocletti, A.H.\*, **Tinghitella, R.M.**, Wimp, G.M., & Ries, L. 2016. Complex community and evolutionary responses to habitat fragmentation and habitat edges: what can we learn from insect science? Current Opinions in Insect Science. 14:61-65.
14. Weigel, E.G.\*, **Tinghitella, R.M.**, & Boughman, J.W. 2015. No evidence for variation in reproductive investment under alternative mate availability regimes. Journal of Fish Biology. 88:508-522.
13. **Tinghitella, R.M.**, Stehle, C.\*\*, & Boughman, J.W. 2015. Females sample more males at high nesting densities, but ultimately obtain less attractive mates. BMC Evolutionary Biology. 15:200.
12. **Tinghitella, R.M.**, Lehto, W.R.\*, & Minter, R.\* 2015. The evolutionary loss of a badge of status alters male competition in the threespine stickleback. Behavioral Ecology. 26: 609-616.

11. **Tinghitella, R.M.** 2014. Male and female crickets modulate courtship behaviour depending on females' experience with mate availability. Animal Behaviour. 91: 9-15.
10. **Tinghitella, R.M.**, Weigel, E.G.\*, Head, M., & Boughman, J.W. 2013. Flexible mate choice when mates are rare and time is short. Ecology and Evolution. 3(9): 2820-2831.
9. **Tinghitella, R.M.**, Zuk, M., Beveridge, M., & Simmons, L.W. 2011. Island hopping introduces Polynesian field crickets to novel environments, genetic bottlenecks, and rapid evolution. Journal of Evolutionary Biology. 24(6): 1199-1211.
8. Tibbetts, E.A., Izzo, A., & **Tinghitella, R.M.** 2011. Juvenile hormone titer and quality are associated with timing of early spring activity in *Polistes dominulus* foundresses. Insectes Sociaux. 58: 473-478.
7. Simmons, L.W., **Tinghitella, R.M.** & Zuk, M. 2010. Quantitative genetic variation in courtship song, and its covariation with immune function and sperm quality in the field cricket *Teleogryllus oceanicus*. Behavioral Ecology. 21(6): 1330-1336.
6. Fullard, J.H., ter Hofstede, H.M., Ratcliffe, J.M., Pollack, G.S., Brigidi, G.S., **Tinghitella, R.M.**, & Zuk, M. 2010. Release from bats: genetic distance and sensoribehavioural regression in the Pacific field cricket, *Teleogryllus oceanicus*. Naturwissenschaften. 97: 53-61.
5. **Tinghitella, R.M.** & Zuk, M. 2009. Asymmetric mating preferences accommodated the rapid evolutionary loss of a sexual signal. Evolution. 63: 2087-2098.
4. **Tinghitella, R.M.**, Wang, J.M.\*\* & Zuk, M. 2009. Pre-existing behavior renders a mutation adaptive: flexibility in male phonotaxis and the loss of singing ability in the cricket *Teleogryllus oceanicus*. Behavioral Ecology. 20: 722-728.
3. **Tinghitella, R.M.** 2008. Rapid evolutionary change in a sexual signal: Genetic control of the mutation "flatwing" that renders male field crickets (*Teleogryllus oceanicus*) mute. Heredity. 100: 261-267.
2. Ayoub, N.A., Garb, J.E., **Tinghitella, R.M.**, Colin, M.A. & Hayashi, C.Y. 2007. Blueprint for a high-performance biomaterial: Full-length spider dragline silk genes. PLoS ONE. 2(6): e514.
1. Zuk, M., Rotenberry, J.T. & **Tinghitella, R.M.** 2006. Silent Night: Adaptive disappearance of a sexual signal in a parasitized population of field crickets. Biology Letters. 2: 521-524.

#### **Book Chapters, Editorials, and Book Reviews**

3. Lackey, A.R., Martin, M. & **Tinghitella, R.M.** 2018. Male competition and speciation: expanding our framework for speciation by sexual selection. Current Zoology. 64(1): 69-73.
2. Zuk, M. & **Tinghitella, R.M.** 2008. Rapid evolution and sexual signals. In: Sociobiology of Communication: an interdisciplinary perspective. Eds: d'Etorre & Hughes. Oxford University Press.
1. Zuk, M., Gershman, S.N., Lesser, K.J., Panhuis, T.M. & **Tinghitella, R.M.** 2005. Review of: Sexual Conflict: Monographs in Behavior and Ecology by G. Arnqvist & L. Rowe. The Quarterly Review of Biology. 81(2).



### **Educational Modules**

2. **Tinghitella, R.M.** 2015. How the cricket lost its song Part I. Published 'Data Nugget'. <http://datanuggets.org/2015/06/how-the-cricket-lost-its-song/>.
1. **Tinghitella, R.M.** 2015. How the cricket lost its song Part II. Published 'Data Nugget'. <http://datanuggets.org/2016/05/how-the-cricket-lost-its-song-part-2/>.

### **Manuscripts in review or revision**

4. Lackey, A.C.R., Scordato, E.S.C., Keagy, J., **Tinghitella, R.M.**, Heathcote, R.J.P. In Review. The role of male competition in speciation and divergence: a systematic review. *American Naturalist*.
3. **Tinghitella, R.M.**<sup>^</sup>, Broder, E.D.<sup>^</sup>, Merkle, B.G.<sup>^</sup>, Balgopal, M.M., Weigel, E.G., Murphy, S.M., Hebets, E.A., Sher, A.A., Gumm, J.M., Lee, J., Schell, C. In Review. Use your power for good: An applied framework for overcoming institutional injustices impeding SciComm in the academy. *Bioscience*.
2. Broder, E.D., Fetrow, K.<sup>\*\*</sup>, Murphy, S.M., Hoffman, J., and **Tinghitella, R.M.** In Review. STEM summer camp for girls positively affects self-efficacy. *The American Biology Teacher*.
1. Firreno, T.J., Welsh, G.T.<sup>\*</sup>, Gumm, J.M., Larson, E.L., and **Tinghitella, R.M.** Revising to resubmit. The evolution of sensory systems after signal change in threespine stickleback. *J Evol Biology*.

### **Invited Scholarly Presentations**

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#### *External*

- 2022 University of Massachusetts, Dartmouth: Dartmouth, MA.
- 2022 Entomology Meeting: Vancouver, BC. (Polyneopteran Plenary Speaker)
- 2022 Colorado State University: Fort Collins, CO.
- 2022 University of Bielefeld: Bielefeld, Germany.
- 2022 University of Hawai'i Invasive Pests Conference: Kauai, HI. (Plenary)
- 2022 University of California, Davis: Davis, CA.
- 2021 University of Lethbridge: Lethbridge, Canada.
- 2021 Oklahoma State University: Stillwater, OK.
- 2021 University of Maryland Baltimore County: Baltimore, MD.
- 2021 University of Bristol: Bristol, England.
- 2020 Society for the Study of Evolution, Annual Meeting: Cleveland, OH. Invited Symposium Speaker. (Cancelled due to Covid-19)
- 2020 Colorado State University: Fort Collins, CO. (Cancelled due to Covid-19)
- 2020 Colorado State University, Pueblo: Pueblo, CO. (Cancelled due to Covid-19)
- 2020 St Olaf College: Northfield, MN.
- 2020 George Washington University: Washington, D.C.
- 2019 George Washington University: Washington, D.C.
- 2019 North Dakota State University: Fargo, ND.
- 2019 Illinois State University: Normal, IL.  
(2<sup>nd</sup> Annual Weigel Seminar - invited by Phi Sigma Biological Honor Society)
- 2019 University of Wyoming: Laramie, WY.

- 2019 University of California - Santa Barbara: Santa Barbara, CA.
- 2019 University of California - Berkeley: Berkeley, CA.
- 2019 California State University - San Bernardino: San Bernardino, CA.
- 2018 Lund University Christmas Meetings of the Evolutionary Ecology Group: Lund, Sweden.
- 2018 University of Maryland Baltimore County: Baltimore, MD.
- 2018 University of Colorado - Denver: Denver, CO.
- 2018 University of Western Australia: Perth, Australia.
- 2018 University of Colorado - Boulder: Boulder, CO.
- 2017 University of Colorado - Colorado Springs: Colorado Springs, CO.
- 2017 Entomological Society of America, Annual Meeting: Denver, CO. Symposium Speaker.
- 2017 Society for the Study of Evolution, Annual Meeting: Portland, OR. Symposium Speaker.
- 2017 National Park Service Night Skies and Natural Sounds Division: Fort Collins, CO.
- 2016 International Society for Behavioral Ecology, Biennial Meeting: Exeter, UK. Symposium Speaker.
- 2015 University of Northern Colorado: Greeley, CO.
- 2015 University of Colorado - Denver: Denver, CO.
- 2014 Colorado College: Colorado College, CO.
- 2014 Murray State University, Watershed Studies Institute: Murray, KY.
- 2014 Colorado State University: Fort Collins, CO.
- 2012 College of William and Mary: Williamsburg, VA.
- 2012 University of Denver: Denver, CO.
- 2012 Mills College: Oakland, CA.
- 2012 Butler University: Indianapolis, IN.
- 2012 Nevada State College: Las Vegas, NV.
- 2010 BEACON Center for the Study of Evolution in Action: East Lansing, MI.
- 2010 University of Michigan: Ann Arbor, MI.
- 2009 College of Wooster: Wooster, OH.
- 2008 Michigan State University: East Lansing, MI.
- 2008 Kellogg Biological Station: Hickory Corners, MI.

*Internal - University of Denver*

- 2021 Department of Biological Sciences Tenure Celebration Seminar.
- 2021 Global Environmental Change Institute Seminar Series.
- 2017 Founders Forum. Invited Banquet Speaker. \*6 faculty members chosen to speak out of 702 full time faculty
- 2017 Honors Program. Invited Banquet Speaker.
- 2017 DU Diversity Summit on Inclusive Excellence: Denver, CO. Workshop. (Co-presenter)
- 2016 Office of Teaching and Learning. Invited Seminar Speaker. Faculty Showcase series.
- 2016 Center for Community Engagement and Service Learning. Invited Speaker.

Contributed Presentations

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- 2021 Virtual Animal Behavior Society Meeting: Denver, CO. (Co-presenter)
- 2020 Virtual Animal Behavior Society Meeting: Denver, CO.
- 2020 Virtual Animal Behavior Society Meeting: Denver, CO. (Co-presenter)
- 2020 Winter Animal Behavior Meeting: Steamboat, CO.
- 2019 Evolution, Annual Meeting: Providence, RI.
- 2019 Behaviour 2019: Chicago, IL.

- 2019 Winter Animal Behavior Meeting: Steamboat, CO.
- 2018 Ninth International Conference on Stickleback Behavior and Evolution: Kyoto, Japan.
- 2018 The Society for Integrative and Comparative Biology: San Francisco, CA. (Co-presenter)
- 2018 Winter Animal Behavior Meeting: Steamboat, CO.
- 2017 Winter Animal Behavior Meeting: Steamboat, CO.
- 2017 High Country Lepidopterists' Society, Annual Meeting: Boulder, CO. (Co-presenter)
- 2015 Methods in Ecological Genomics Workshop: MOTE Tropical Research Laboratory, Sarasota, FL.
- 2015 Eighth International Conference on Stickleback Behavior and Evolution: Stony Brook, NY.
- 2014 Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Pingree Park, CO.
- 2014 International Society for Behavioral Ecology, Biennial Meeting: New York, NY.
- 2014 Animal Behavior Society, Annual Meeting: Boulder, CO.
- 2013 Society for the Study of Evolution, Annual Meeting: Snowbird, UT. (Co-presenter, poster)
- 2012 Seventh International Conference on Stickleback Behavior and Evolution: Seattle, WA.
- 2012 First Joint Conference on Evolutionary Biology: Ottawa, Canada.
- 2011 National Outreach Scholarship Conference: East Lansing, MI.
- 2011 Animal Behavior Society and International Ethological Conference: Bloomington, IN.
- 2009 Long-term Ecological Research All Scientists Meeting: Estes Park, CO. (Co-presenter)
- 2009 Long-term Ecological Research All Scientists Meeting: Hickory Corners, MI. (Co-presenter)
- 2009 Annual Graduate STEM Fellows in K-12 Education Meeting: Washington D.C.
- 2008 Animal Behavior Society, Annual Meeting: Snowbird, UT.  
**\*\*\*Winner – Allee Award for Best Paper and Presentation.**
- 2008 International Society for Behavioral Ecology, Biennial Meeting: Ithaca, NY.
- 2007 California Animal Behavior Symposium: Santa Barbara, CA.
- 2006 International Society for Behavioral Ecology, Biennial Meeting: Tours, France.
- 2006 Society for the Study of Evolution, Annual Meeting: Stony Brook, NY.

Student Advising and Mentorship

Total at DU: 10 grad students, 77 undergraduates

*Graduate Students, Thesis Advisor*

2022-27	Amanda Klingler, Ph.D. student	2017-19	Clara Jenck, M.S.
2020-25	Gabrielle Welsh, Ph.D. student	2013-19	Whitley Lehto, Ph.D.
2020-23	Aaron Wikle, M.S. student	2016-19	Claudia Hallagan, M.S. (Co-advised)
2018-23	James Gallagher, Ph.D. student	2015-18	G. Gurule-Small, M.S.
2018-21	Brooke Washburn, Ph.D. student	2013-15	Ross Minter, M.S.
2017-19	Jacob Wilson, M.S. (Co-advised)		

*Undergraduate Students, Honors/Distinction Thesis Advisor (included below)*

2024	Victoria Rockwell	2018	Lukas Sloan
2020	Sophie Fitzgerald	2018	Kallie Feldhaus
	***Winner – Best Thesis	2016	Brian Ketterman
2020	Josie Evans	2016	Victoria Faith Lierheimer
2019	Brian Oberlies		***Winner - Best Thesis
2019	Sophia Anner	2016	Angus Kitchell
2019	Anne Bowen	2015	Jolysa Gallegos
	*** Winner – Best Thesis		

*Undergraduate Students: Research experience in my lab at DU (including Thesis students)*

- |                               |                          |                         |
|-------------------------------|--------------------------|-------------------------|
| 1. Dalton Larrinaga           | 28. Elizabeth Pepper     | 55. Charlie Shikany     |
| 2. Grace Fierle               | 29. Gui Zheng*           | 56. Harry Zakarian      |
| 3. Emma Phillips              | 30. Chloe Pepke          | 57. Madeline Almen      |
| 4. Kyle Robrock*^             | 31. Adam Begeman         | 58. Sophie Kanellitsas  |
| 5. Aimee Molloy               | 32. Lauren Tyree         | 59. Katherine Davis     |
| 6. Joey Fisher*^              | 33. Jared Smith          | 60. Gavin Gershman      |
| 7. Emrys Andromeda-Focht*     | 34. Miranda Fleishhacker | 61. Finn Gamble         |
| 8. Annie Halseth              | 35. Morgan Ziegler       | 62. Emily Vandenberg    |
| 9. Rebecca Hollmann@          | 36. Bailey Rojewsky      | 63. Megan Holiday*#     |
| 10. Ian Moffit                | 37. Kallie Feldhaus*^@§  | 64. Tim Greenwood       |
| 11. Sophie Fitzgerald*^§~#    | 38. Sophia Anner*^§#     | 65. Delaney Sanford     |
| 12. Josie Evans*^             | 39. Kathryn Ziegner      | 66. Hannah O'Toole*#    |
| 13. Josie Boynton             | 40. Austin Adams         | 67. Cameron Carlson     |
| 14. Brian Oberlies*^§         | 41. Maddie Sweet         | 68. Ben Ratico          |
| 15. Makenzie Day*^§           | 42. Abby Horton§         | 69. Ellie Jones         |
| 16. Mikki Mesfin              | 43. Laura Braun          | 70. Will Gross          |
| 17. Clara Jenck*^@#           | 44. Adam Begeman         | 71. Victoria Rockwell§# |
| 18. Aaron Sexton#             | 45. Kirsten Fetrow*^@    | 72. Sydney Gelhorn      |
| 19. Lukas Sloan*^§#           | 46. Madison Sleyster     | 73. Bian Stahl          |
| 20. Brian Ketterman*^§#       | 47. Erin Sadler          | 74. Raegan Wilson       |
| 21. V. Faith Lierheimer*^#@~§ | 48. Julie Campbell       | 75. Hannah Yi           |
| 22. Angus Kitchell*^§         | 49. Miranda Fincher      | 76. Eilidh Keuss        |
| 23. Jolysa Gallegos*^§        | 50. Corwyn Bradeen       | 77. Tony Bisimwa*^      |
| 24. Anne Bowen*^~§#           | 51. Alicia Lauer         | 78. Sarah Saint         |
| 25. Ambree Campbell           | 52. Sophie Bloss*^       | 79. Vanessa Leon-Gomez  |
| 26. Madison Heller            | 53. Aziz Syammach*^#     |                         |
| 27. Caroline Smith            | 54. Brianna Herner#      |                         |

\* Grant received

# Co-authored publication

^ Presentation at internal meeting

@Presentation at national or international meeting

§ Distinction or Honors student

~ Thesis or research award

Extramural Grants Awarded to My Mentees*Postdocs*

2023	Jason Dinh	NSF Postdoctoral Research Fellowship (3 yrs)	\$208,000
2023	Mary Westwood	NSF Postdoctoral Research Fellowship (3 yrs)	\$208,000
2022	David Zonana	ISBE Travel Award	\$1200
2022	Dale Broder	ISBE Travel Award	\$1200
2021	Cameron Venable	Ford Foundation Postdoctoral Fellowship	\$50,000
2020	David Zonana	NSF Postdoctoral Research Fellowship (4 yrs)	\$277,333
2018	Dale Broder	Orthopterists' Society	\$1470
2017	Dale Broder	BEACON Travel Award	\$500

*Graduate Students*

2022	Gabrielle Welsh	Lewis and Clark Fund	\$5000
2022	Jay Gallagher	ISBE Travel Award	\$1200
2022	Gabrielle Welsh	ISBE Travel Award	\$1200
2021	Gabrielle Welsh	Orthopterists' Society	\$1446
2021	Gabrielle Welsh	Lewontin Award, SSE	\$2334
2020	Aaron Wikle	NSF Graduate Research Fellowship	\$138,000
2020	Jay Gallagher	Orthopterists' Society	\$1500
2020	Brooke Washburn	Northwest Scientific Association	\$1500
2020	Brooke Washburn	SSB Student Research Grant	\$3000
2020	Jay Gallagher	SICB Grant in Aid of Research	\$1000
2020	Brooke Washburn	SICB Grant in Aid of Research	\$1000
2019	Brooke Washburn	Sigma Xi Grants in Aid of Research	\$500
2019	Brooke Washburn	Lewontin Award, SSE	\$2500
2019	Brooke Washburn	Orthopterists' Society	\$1500
2019	Jay Gallagher	Crowdfunded through Kickstarter	\$2000
2018	Jay Gallagher	Sigma Xi Grants in Aid of Research	\$1000
2018	Clara Jenck	Sigma Xi Grants in Aid of Research	\$1000
2018	Jacob Wilson	BEACON Travel Award	\$500
2018	Whitley Lehto	Stickleback Meeting Travel Award	\$500
2018	Whitley Lehto	International Society for Behavioral Ecology Travel	\$500
2018	Whitley Lehto	Animal Behavior Society Travel Award	\$500
2018	Jacob Wilson	Orthopterists' Society	\$1250
2018	Clara Jenck	Crowdfunded through Kickstarter	\$2000
2018	Clara Jenck	Society for Northwest Vertebrate Biologists	\$1000
2017	Gabrielle Gurule-Small	Sigma Xi Grants in Aid of Research	\$1000
2017	Gabrielle Gurule-Small	Orthopterists' Society	\$1235
2017	Claudia Hallagan	Orthopterists' Society	\$1382
2017	Whitley Lehto	BEACON Travel Award	\$500
2017	Gabrielle Gurule-Small	BEACON Travel Award	\$500
2017	Whitley Lehto	Animal Behavior Society Travel Award	\$500
2017	Gabrielle Gurule-Small	Society for the Study of Evolution Travel Award	\$500
2016	Whitley Lehto	National Science Foundation DDIG	\$19,535
2016	Whitley Lehto	Animal Behavior Society Student Grant	\$2000
2015	Whitley Lehto	Rosemary Grant Award, SSE	\$2500

*Undergraduate Students*

2022	Sophia Anner	ISBE Travel Award	\$1100
2016	Faith Lierheimer	Turner Award, Animal Behavior Society	\$1075

## Intramural Grants Awarded to My Mentees

*Postdocs*

2016	E. Dale Broder (postdoc), IRISE Postdoctoral Fellowship.	\$95000
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*Graduate Students*

2022	Amanda Klingler, Graduate Studies Doctoral Fellowship Fund.	\$9000
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2022	Gabrielle Welsh, Shubert Graduate Fellowship Fund.	\$500
2020	Gabrielle Welsh, Snyder Graduate Research Award (DU)	\$7000
2019	Jay Gallagher, Shubert Graduate Fellowship Fund.	\$500
2018	Brooke Washburn, Graduate Studies Doctoral Fellowship.	\$1500
2018	Jacob Wilson, Shubert Graduate Fellowship Fund.	\$500
2018	Clara Jenck, Shubert Graduate Fellowship Fund.	\$500
2017	Claudia Hallagan, Shubert Graduate Fellowship Fund	\$500
2017	Whitley Lehto, Shubert Graduate Fellowship Fund	\$500
2017	Gabrielle Gurule-Small, Inclusive Engagement Fellowship	\$4500
2017	Whitley Lehto, Dissertation Fellowship	\$2500
2014	Whitley Lehto, Inclusive Engagement Fellowship	\$1000

#### *Undergraduate Students*

2021	Tony Bisimwa, E-STEM Summer Research Initiative	\$6000
2021	Finn Gamble, Summer Research Grant.	\$3500
2021	Hannah O-Toole, Summer Research Grant. (declined for an REU in my lab)	\$3500
2021	Megan Holiday, Summer Research Grant. (declined for an REU in my lab)	\$3500
2019	Aziz Syammach, Summer Research Grant.	\$3500
2019	Sophia Anner, Summer Research Grant.	\$3500
2019	Sophie Bloss, Summer Research Grant.	\$3500
2019	Sophie Fitzgerald, Pustmueller Grant.	\$3500
2018	Brian Oberlies, Summer Research Grant.	\$3476
2018	Josie Evans, Summer Research Grant.	\$3476
2018	Sophia Anner, Summer Research Grant.	\$3443
2018	Makenzie Day, Pustmueller Grant.	\$3476
2018	Sophie Fitzgerald, Summer Research Grant.	\$1540
2018	Gui Zheng, E-STEM Summer Research Initiative (CO-WY AMP Grant)	\$6000
2018	Kallie Feldhaus, Partners in Scholarship Grant.	\$950
2017	Lukas Sloan, Summer Research Grant.	\$3500
2017	Anne Bowen, Summer Research Grant.	\$3463
2017	Kallie Feldhaus, Summer Research Grant.	\$3500
2016	Clara Jenck, Summer Research Grant.	\$3500
2015	Angus Kitchell, Partners in Scholarship Grant.	\$1462
2015	Brian Ketterman, Summer Research Grant.	\$3500
2015	Clara Jenck, Pustmueller Grant.	\$3500
2014	Victoria Faith Lierheimer, Summer Research Grant.	\$3269
2014	Jolysa Gallegos, Pustmueller Grant.	\$3500
2014	Angus Kitchell, Summer Research Grant.	\$3457
2014	Kyle Robrock, Summer Research Grant.	\$3500
2014	Emrys Andromeda-Focht, Pustmueller Grant.	\$3500
2013	Victoria Faith Lierheimer, Summer Research Grant.	\$3498
2013	Joey Fisher, Summer Research Grant.	\$3489

Contributed Presentations by Mentored Students/Postdocs

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\*Graduate student presenter    \*\*Undergraduate student presenter

Last name of student presenting is listed below. These presentations are **not** repeated above.

- 2022 Anner, S.\*\* International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Zonana, D. International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Gallagher, J.\* International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Wikle, A.\* International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Welsh, G.\* International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Broder, D. International Society for Behavioral Ecology: Stockholm, Sweden.  
 2022 Gallagher, J.\* Evolution Annual Meeting: Cleveland, OH.  
       **\*\*\*Winner – 1<sup>st</sup> place poster.**
- 2022 Anner, S.\*\* Evolution Annual Meeting: Cleveland, OH.  
 2022 Firneno, T. Evolution Annual Meeting: Cleveland, OH.  
 2022 Anner, S.\*\* and Welsh, G.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
       **\*\*\*Winner – 2<sup>nd</sup> place poster.**
- 2021 Zonana, D. Entomological Society of America: Denver, CO.  
 2021 Gallagher, D. Entomological Society of America: Virtual.  
 2021 Gallagher, J.\* Virtual Evolution Meeting: Virtual.  
 2021 Gallagher, J.\* Virtual Animal Behavior Society Meeting: Virtual.  
 2021 Broder, D. Virtual Animal Behavior Society Meeting: Virtual.  
 2021 Anner, S.\*\* and Fitzgerald S.\*\* Virtual Front Range Student Ecology Symposium: Virtual.  
 2020 Smith, T.\*\* Virtual Ecological Society of America Meeting: Virtual.  
 2020 Gallagher, J.\* Virtual Animal Behavior Society Meeting: Virtual.  
 2020 Zonana, D.\* Virtual Animal Behavior Society Meeting: Virtual.  
 2020 Gallagher, J.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
       **\*\*\*Winner – 2<sup>nd</sup> place talk.**
- 2019 Wikle, A.\*\* Behaviour 2019: Chicago, IL.  
       **\*\*\*Winner – Runner up, Founder’s Forum.**
- 2018 Hallagan, C.\* Entomological Society of America: Vancouver, BC, Canada.  
 2018 Washburn, B.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.  
 2018 Wilson, J.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.  
 2018 Hallagan, C.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.  
 2018 Jenck, C.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.  
 2018 Lehto, W.\* Ninth International Conference on Stickleback Behavior and Evolution: Kyoto, Japan.  
       **\*\*\*Winner – Best student talk.**
- 2018 Jenck, C.\* Ninth International Conference on Stickleback Behavior and Evolution: Kyoto, Japan.  
 2018 Gurule-Small, G.\* International Society for Behavioral Ecology, Biennial Mtg: Minneapolis, MN.  
 2018 Lehto, W.\* International Society for Behavioral Ecology, Biennial Meeting: Minneapolis, MN.  
 2018 Wilson, J.\* International Society for Behavioral Ecology, Biennial Meeting: Minneapolis, MN.  
 2018 Lehto, W.\* Animal Behavior Society, Annual Meeting: Milwaukee, WI.  
 2018 Gurule-Small, G.\* Animal Behavior Society, Annual Meeting: Milwaukee, WI.  
 2018 Hallagan, C.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
       **\*\*\*Winner – 2<sup>nd</sup> place talk.**
- 2018 Gurule-Small, G.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
 2018 Wilson, J.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
       **\*\*\*Winner – 1<sup>st</sup> place graduate poster.**

- 2018 Feldhaus, K.\*\* Front Range Student Ecology Symposium: Fort Collins, CO.  
**\*\*\*Winner – 1<sup>st</sup> place undergraduate poster.**
- 2018 Fetrow, K.\*\* Front Range Student Ecology Symposium: Fort Collins, CO.  
**\*\*\*Winner – 2<sup>nd</sup> place undergraduate poster.**
- 2018 Lehto, W.\* Gordon Research Conference on Predator-Prey Interactions: Ventura, CA.
- 2017 Gurule-Small, G.\* Entomological Society of America, Annual Meeting: Denver, CO.
- 2017 Hallagan, C.\* Entomological Society of America, Annual Meeting: Denver, CO.  
**\*\*\*Winner – 2<sup>nd</sup> place poster.**
- 2017 Fetrow, K.\*\* Entomological Society of America, Annual Meeting: Denver, CO.
- 2017 Broder, E.D. Entomological Society of America, Annual Meeting: Denver, CO.
- 2017 Gurule-Small, G.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.
- 2017 Jenck, C.\*\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.
- 2017 Lehto, W.\* Society for the Study of Evolution, Annual Meeting: Portland, OR.
- 2017 Gurule-Small, G.\* Society for the Study of Evolution, Annual Meeting: Portland, OR.
- 2017 Lehto, W.\* Front Range Student Ecology Symposium: Fort Collins, CO.  
**\*\*\*Winner – 2<sup>nd</sup> place poster.**
- 2017 Gurule-Small, G.\* Front Range Student Ecology Symposium: Fort Collins, CO.
- 2017 Lierheimer, V.F.\*\* Front Range Student Ecology Symposium: Fort Collins, CO.
- 2016 Lehto, W.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Crested Butte, CO.
- 2016 Lierheimer, V.F.\*\* Animal Behavior Society, Annual Meeting: Colombia, MO.
- 2015 Lehto, W.\* Guild of Rocky Mountain Ecologists and Evolutionary Biologists: Nederland, CO.
- 2015 Minter, R.\* Front Range Student Ecology Symposium: Fort Collins, CO.
- 2014 Lehto, W.\* International Society for Behavioral Ecology, Biennial Meeting: New York, NY.
- 2014 Hollmann, R.\*\* Animal Behavior Society, Annual Meeting: Boulder, CO.

Teaching

Teaching load at DU = 12 credits/year

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University of Denver:

- 2020- BIOL 3005, Science Communication
- 2015- BIOL 3410, Animal Behavior
- 2014- BIOL 4220, Graduate Seminar: Ecology and Evolution
- 2013- BIOL 2010, General Ecology
- 2013,15 BIOL 4330, Graduate Foundations in Literature: Evolution

Service as Reviewer/Editor for Journals, Textbooks, Granting Agencies

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*Journal Editorial Board*

- 2022- Associate Editor for Behavioral Ecology.
- 2021- Associate Editor for Evolution.
- 2019-21 Editorial Board for Behavioral Ecology.
- 2018-21 Associate Editor for Environmental Entomology.
- 2017 Guest Editor for a Special Column. Current Zoology.



*Review of Manuscripts*

American Naturalist	Functional Ecology
American Biology Teacher	Hydrobiologia
Animal Behaviour	Integrative and Comparative Biology
Animal Ecology	Journal of Animal Ecology
Behavioral Ecology	Journal of Evolutionary Biology
Behavioral Ecology and Sociobiology	Journal of Ethology
Bioacoustics	Journal of Fish Biology
Biological Journal of the Linnean Society	Journal of Insect Behavior
Biology Letters	Journal of Orthopteran Research
BMC Evolutionary Biology	Oikos
Canadian Journal of Zoology	Peer J
Current Zoology	PLoS Biology
Ecology	PLoS One
Ecology Letters	Proceedings of the Royal Society B: Biological Sciences
Ecological Entomology	Proceedings of the National Academy of Sciences
Environmental Entomology	Quarterly Review of Biology
Ethology	Royal Society Open Science
Evolution	Trends in Ecology and Evolution (TREE)
Evolution and Ecology	Urban Ecosystems
Evolutionary Ecology Research	
Frontiers in Ecology and Evolution	

*Review of proposals and external examination committees*

2023	Panelist, NSF Division of Environmental Biology
2022	External Referee, Marsden Fund, New Zealand
2022	Reviewer, Lewontin Early Awards, Society for the Study of Evolution
2022	External examiner for a PhD, University of Edinburgh
2022	Panelist, NSF Integrative Organismal Systems
2021	Ad hoc reviewer, NSF Integrative Organismal Systems
2021	External Referee, Deutsche Forschungsgemeinschaft (German Research Foundation)
2020	Panelist, Shubert Graduate Fellowship Fund, University of Denver
2019	Ad hoc reviewer, NSF Integrative Organismal Systems
2019	Panelist for University of Denver's Summer Research Grants
2018	Panelist for University of Denver's Professional Research Opportunities for Faculty grants
2018	Organizer and panelist, Shubert Graduate Fellowship Fund, University of Denver
2017	Ad hoc reviewer, NSF Division of Environmental Biology
2017	Panelist, Shubert Graduate Fellowship Fund, University of Denver
2016	Panelist, NSF Integrative Organismal Systems
2015	External Referee, Biotechnology and Biological Sciences Research Council, UK
2015	Panelist, Animal Behavior Society Grants
2015	External Referee, Natural Environmental Research Council, UK
2015	Panelist, Shubert Graduate Fellowship Fund, University of Denver
2014	External Referee, University of Wisconsin Faculty Research Grants
2014	External Referee, Natural Environmental Research Council, UK
2013	Panelist, Animal Behavior Society Grants

## Service and Community Engagement

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### *Community Education and Engagement*

- 2023 Lab Host for Girl Scouts of America.
- 2022 Speaker for Jefferson County Humanists Group on noise pollution and invertebrates
- 2021-22 Mentor for Kaua'i High School science fair projects built on my cricket/fly research in the Hawaiian Islands. (10 students)
- 2021 Podcast guest "Fresh Scoop" Episode Twenty-Seven. "How crickets can tell us more about urban noise pollution"
- 2019- Co-developer of an Inter-institutional CURE executed at BYU-Hawaii (a minority-serving undergraduate institution in the heart of my most important field sites)
- 2019 Colorado Café Scientifique Speaker "Grand gestures and love notes"
- 2018 MileHigh TedX Speaker and Adventure Leader "Waiting, dating, and mating"
- 2018 Mentored native Hawaiian high school students while conducting field research on Molokai
- 2016- Co-founder and coordinator for DU SciTech. This is a week-long STEM Summer Camp hosted at DU for middle school girls who are from groups historically underrepresented in the sciences and financially disadvantaged. I co-coordinate, fund, and run the entire camp with two other DU faculty members. The camp is free for all girls attending.
- 2015 Virtual lab tour for >180 middle school students from Highlands Ranch Schools
- 2015,17 Presenter at Regis University's SciTech Summer Camp
- 2014,13 "Rapid Evolution Roadshow" presented to >180 7<sup>th</sup> grade students at Mountain Ridge Middle School. Quarterly visits to the school during the school year.
- 2013 DU Day of Action - Munroe Elementary School Visit to the University of Denver, workshop leader. Co-led an activity for 100 K-5 students about insect morphology.
- 2008-12 Coordinator, K-12 Educator's Summer Science Institute (1X per year) and School-year teacher professional development workshops (4X per year) at Kellogg Biological Station, Hickory Corners, MI.
- 2008-12 Member, Education and Outreach Committee, Kellogg Biological Station
- 2011-13 Guest blogger for BEACON Center for the Study of Evolution in Action
- 2009 Member, SW Michigan Coalition on Public Understanding of Science Committee
- 2009 Facilitator and Judge, Michigan Science Olympiad Tournament, East Lansing, MI

### *Departmental, Divisional and University Service (also see Leadership positions)*

- 2022 Panelist, Early Career Awards session at the DU Provost's Conference
- 2022 Member of DU DEVELOP, the mentorship arm of DU's ADVANCE grant
- 2021 Faculty Search Committee, Teaching Professor
- 2021- Equity and Racial Justice Committee, College of Natural Sciences and Mathematics
- 2020 Steering Committee, NSF Advance Grant DU MERISTEM
- 2019- Chair, Honors Committee, Department of Biological Sciences
- 2019 Chair, Faculty Search Committee, Evolutionary Biologist
- 2018 Invited Speaker at Undergraduate Research and Scholarship Open House
- 2018 Invited Speaker at DU Nature Challenge BioBlitz
- 2018,21 Colorado-Wyoming Alliance for Minority Participation (CO-WY AMP) Faculty Mentor
- 2017- University Honors Council (elected member)
- 2016- Rocky Mountain Cooperative Ecosystem Studies Unit - University Representative
- 2016 Faculty Search Committee Member, Evolutionary Biologist

- 2016 IRISE Postdoc Search Committee Member, Equity in STEAM
- 2016-18 Faculty Mentor for the Pre-Veterinary Club
- 2015- Pre-Veterinary Advisor, Department of Biological Sciences
- 2015 Faculty Search Committee Member, Plant Ecologist
- 2015 NSMentoring Program Faculty Mentor
- 2014-19 Graduate Committee, Department of Biological Sciences
- 2014-16 Undergraduate Honors Committee, Department of Biological Sciences
- 2013-14 Seminar Coordinator, Department of Biological Sciences

#### *Service to Professional Societies*

- 2022 Council Member, Society for the Study of Evolution
- 2022 Session Chair, International Society for Behavioral Ecology Annual Meeting
- 2022 Judge, RC Lewontin Early Award, Society for the Study of Evolution
- 2020 Judge, Allee Award, Animal Behavior Society
- 2019 Symposium Organizer, Behaviour 2019, Annual Meeting
- 2018 Scientific Advisory Committee for the International Society for Behavioral Ecology Meeting
- 2016 Symposium Organizer, International Society for Behavioral Ecology, Biennial Meeting
- 2017 Judge, Hamilton Award Talks, Society for the Study of Evolution Annual Meeting
- 2014 Scientific Advisory Committee for the International Society for Behavioral Ecology Meeting
- 2014 Session Chair, International Society for Behavioral Ecology Annual Meeting

#### Membership in Professional Societies

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- 2017- Entomological Society of America
- 2015- American Association of University Women
- 2014- Sigma Xi
- 2008- Animal Behavior Society
- 2006- International Society for Behavioral Ecology
- 2004- Society for the Study of Evolution
- 2003- Orthopterists' Society

#### Selected Editorial Features of My Research

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**Coming 2023: Featured in PBS's Evolution Earth series** due out Fall 2023. Filmed at the Kaua'i Agricultural Research Center, Kaua'i County.

**MUSE:** Science @ Work: Robin Tinghitella. By: Kellan Brooks

<https://shop.cricketmedia.com/muse-magazine-april-2022>

**Inverse:** One overlooked human action could be destroying entire ecosystems. A ripple effect is transmitting through nature. By: Tara Yarlagadda

<https://www.inverse.com/science/insect-sound-pollution-cricket-research>

**Newsweek:** Hawaii crickets have evolved to purr like cats. By: Hannah Osborne.

<https://www.newsweek.com/hawaii-crickets-have-evolved-purr-cats-1194642>

**New Scientist:** Crickets rapidly evolve new mating call to avoid their parasites. By: Colin Barras.  
<https://www.newscientist.com/article/2183848-crickets-rapidly-evolve-new-mating-call-to-evade-their-parasites>

**USA Today Amaze Lab:** Hawaii crickets started purring like cats to attract mates.  
<https://www.usatoday.com/videos/tech/science/2018/10/31/hawaii-crickets-started-purring-like-cats-attract-mates/38342067/>

**Hawaii News Now:** Evolution at work: Crickets on Molokai are now...purring.  
<http://www.hawaiinewsnow.com/2018/11/01/evolution-work-crickets-molokai-are-now-purring/>

**Lateral Magazine:** The Fastest Show on Earth. By: Emily Gregg. <http://www.lateralmag.com/issue-2-underground/the-fastest-show-on-earth>

**Science Editor's Choice:** The advantage of keeping quiet. By: Andrew Sugden.  
<http://science.sciencemag.org/content/314/5797/224.1>

**National Geographic News:** Hawaii crickets evolved "silent" wings to evade parasites. By: Scott Norris.  
<http://news.nationalgeographic.com/news/2006/10/061003-silent-crickets.html>

**Understanding Evolution:** Quick evolution leads to quiet crickets.  
[http://evolution.berkeley.edu/evolibrary/news/061201\\_quietcrickets](http://evolution.berkeley.edu/evolibrary/news/061201_quietcrickets)

**Science News:** Crickets on Mute: Hush falls as killer fly stalks singers. Volume 170 (13).  
<http://www.sciencenews.org/articles/20060923/fob5.asp>