SHANNON M. MURPHY

EDUCATION

Department of Biological Science 2050 E. Iliff Ave, Boettcher West University of Denver, Denver, CO 80210 (303) 871-7571 Shannon.M.Murphy@du.edu smurphlab.weebly.com

2005 Ph.D. Cornell University Ecology and Evolutionary Biology Advisor: Paul Feeny Committee: Monica Geber, Alan Renwick, and Marina Caillaud		
1997 B.A. Summa Cum Laude University of Colorado at Boulder Environmental, Population and Organismic Biology Major, Biochemistry Minor Advisor: Yan Linhart Committee: Dave Armstrong, and Bert Covert		
RESEARCH INTERESTS		
Plant-insect interactions Population ecology Chemical ecology Multi-trophic interactions Behavioral ecology Ecosystem ecology STEM education		
PROFESSIONAL EXPERIENCE		
2021- <i>Professor</i> , Department of Biological Sciences, University of Denver.		
2016–21 Associate Professor, Department of Biological Sciences, University of Denver.		
2010–16 Assistant Professor, Department of Biological Sciences, University of Denver.		
2007-10 <i>Postdoctoral Scientist</i> in the laboratory of Dr. John Lill, Department of Biological Sciences, The George Washington University.		
2005-08 External Fellow in the laboratory of Dr. Robert Denno, Department of Entomology, University of Maryland.		
05-08 National Parks Ecological Research Postdoctoral Fellow, funded by the Ecological Society of America and the National Park Foundation.		
1997-98 <i>Professional Research Assistant</i> for Dr. Donald (Skip) Walker and Dr. Marilyn Walker. Institute of Arctic and Alpine Research (INSTAAR) Tundra Ecosystem Analysis and Mapping Laboratory (TEAML) at the University of Colorado.		
77-98 Research Assistant for Dr. Yan Linhart, EPO Biology, University of Colorado.		
Awards and Other Recognition		

- 2023 Provost's Award for Excellence in Academic Advising, University of Denver. Given to a single faculty member across the University.
- 2023 Faculty Career Champion, University of Denver. Nominated by graduating students as the faculty member who most impacted their career and professional development.

- 2022 You Rock! Award, University of Denver
- 2020 **Excellence in Research Award**, Biological Sciences. Nominee for the College of Natural Sciences and Mathematics, University of Denver.
- 2020 **Distinguished Achievement Award in Teaching,** Entomological Society of America.
- 2020 **Distinguished Achievement Award in Teaching,** North Central Branch of the Entomological Society of America.
- 2019 **Faculty Career Champion,** University of Denver. Nominated by graduating students as the faculty member who most impacted their career and professional development.
- 2018 **Excellence in Service Award**, Biological Sciences. Nominee for the College of Natural Sciences and Mathematics, University of Denver.
- 2018 **Faculty Career Champion,** University of Denver. Nominated by graduating students as the faculty member who most impacted their career and professional development.
- 2015 **Excellence in Service Award**, Biological Sciences. Nominee for the College of Natural Sciences and Mathematics, University of Denver.
- 2013 **Excellence in Research Award**, Biological Sciences. Nominee for the College of Natural Sciences and Mathematics, University of Denver.
- 2012 **Outstanding Junior Faculty Award**, College of Natural Sciences and Mathematics, University of Denver.
- 2005 **Excellence in Teaching Award**, Department of Ecology and Evolutionary Biology, Cornell University. This award is given each year to a single graduate student.
- 2005 **LaMont C. Cole Award**, Department of Ecology and Evolutionary Biology, Cornell University. This award is given each year to the author of the most outstanding published paper written by a graduate student

PUBLICATIONS

**undergraduate student co-author, *graduate student co-author, *postdoc co-author \$middle-school co-author, # denotes shared last author

Peer-Reviewed Journal Articles

- 71. Horna Lowell, E. S.* and **S. M. Murphy**. In Press. Neighborhood effects and honey bee foraging behavior. <u>Journal of Apicultural Research</u>.
- 70. Tanino-Springsteen, M. M.*, D. K. Vyas, A. Mitchell**, C. Durso, and **S. M. Murphy**. 2024. Investigating the effect of host plant identity on instar number in fall webworm, a common generalist herbivore. <u>Environmental Entomology</u> 53(1): 188-194.
- 69. Rippel, T. M.*, A. L. DeCandia, M. A. Collier, C. L. McIntosh, **S. M. Murphy**, and G. M. Wimp. 2024. Habitat characteristics and plant community dynamics impact the diversity, composition, and co-occurrence of sediment fungal communities. <u>Wetlands</u> 44:3.

- 68. Grenis, K.*, C. Nufio, G. M. Wimp, and **S. M. Murphy**. 2023. Does artificial light at night alter moth community composition? <u>Philosophical Transactions of the Royal Society B</u> 378: 20220365.
- 67. Broder, E. D., K. J. Fetrow**, S. M. Murphy, J. L. Hoffman, R. M. Tinghitella. 2023. STEM summer camp for girls positively affects self-efficacy. <u>The American Biology Teacher</u> 85(8): 432-439.
- 66. Rippel, T. M.*, A. L. DeCandia, J. Tomasula*, C. L. McIntosh, **S. M. Murphy**, and G. M. Wimp. 2023. Detritivores and exogenous nitrogen influence litter microbial communities in coastal salt marshes. <u>Marine Ecology Progress Series</u> 716: 17–29.
- 65. Bieber, B. V.*, D. K. Vyas, A. M. Koltz, L. A. Burkle, K. S. Bey**, C. Guzinski*, **S. M. Murphy***, and M. C. Vidal*. 2023. Increasing prevalence of severe fires change the structure of arthropod communities: Evidence from a meta-analysis. <u>Functional Ecology</u> 37: 2096–2109
- 64. Barnes, E. E.* and **S. M. Murphy**. 2023. Bottom-up and top-down pressures mediated competition between two generalist insects. <u>Ecology</u> 104: e3957
- 63. Bieber, B. V.*, G. T. Welsh*, M. C. Vidal*, W. R. Lehto*, E. M Lehmer, R. M. Tinghitella, and S. M. Murphy. 2023. Disease Ecology: can plant disease affect human health? <u>National Center for Case Study Teaching in Science.</u> University of Buffalo, State University of New York. https://www.nsta.org/case-studies
- 62. Tomasula, J.*, B. Maguire**, T. M. Rippel*, E. Lopez, S. Perez, A. Arab, **S. M. Murphy**, and G. M. Wimp. 2023. Conditions for collapse: chronic nutrient enrichment increases native insect density linked to salt marsh dieback. <u>Biological Conservation</u> 278: 109882.
- 61. Rippel, T. M.*, J. Tomasula*, B. Maguire**, **S. M. Murphy**, and G. M. Wimp. 2022. Species loss and nitrogen pollution alter litter decomposition dynamics in coastal salt marshes. Oecologia 200: 479-490.
- 60. Jenck, C. S.*, W. R. Lehto, K. E. Hunnicutt*, **S. M. Murphy**, T. W. Quinn, E. L. Larson, R. M. Tinghitella. 2022. Genetic divergence among threespine stickleback that differ in nuptial coloration. <u>Journal of Evolutionary Biology</u> 35:934–947.
- 59. Vyas, D. K. and S. M. Murphy. 2022. Diet mediated immune response to parasitoid attacks on a caterpillar with a broad diet breadth. <u>Ecological Entomology</u> 47: 636-644.
- 58. Mitchell, R. M., L. A. Brudvig, **S. M. Murphy**, and G. M. Wimp. 2022. COVID resilience inside the research ecosystem. Frontiers in Ecology and the Environment 20(4): 203.
- 57. Santangelo, J. S., R. W. Ness, B. Cohan, C. R. Fitzpatrick, S. G. Innes, S. Koch, L. S. Miles, S. Munim, P. R. Peres-Neto.... **S. M. Murphy**... and M. T. J. Johnson. 2022. Global urban environmental change drives adaptation in white clover. <u>Science</u> 375: 1275–1281.
- 56. **Murphy, S. M.,** D. K. Vyas*, A. A. Sher, and K. Grenis*. 2022. Light pollution affects invasive and native plant traits important to plant competition and herbivorous insects. <u>Biological Invasions</u> 24: 599–602.
- 55. **Murphy, S. M.** and G. M. Wimp. 2021. Effects of global change on species interactions and biodiversity in natural and managed landscapes. <u>Current Opinion in Insect Science</u> 47: iii-vi.

- 54. **Murphy, S. M.,** D. K. Vyas , J. L. Hoffman, C. S. Jenck , B. A. Washburn , K. E. Hunnicutt , A. Davidson , J. M. Andersen , R. K. Bennet , A. Gifford , M. Herrera , B. Lawler , S. Lorman , V. Peacock , L. Walker , E. Watkins , L. Wilkinson , Z. Williams , and R. M. Tinghitella. 2021. Streetlights positively affect the presence of an invasive grass species. <u>Ecology and Evolution</u> 11(15): 10320–10326.
- 53. Wimp, G. M. and **S. M. Murphy**. 2021. Habitat edges alter arthropod community composition. <u>Landscape Ecology</u> 36: 2849–2861.
- 52. Rippel, T. M.*, J. Tomasula*, **S. M. Murphy**# and G. M. Wimp#. 2021. Global change in marine coastal habitats impacts insect populations and communities. <u>Current Opinion in Insect Science</u> 47:1–6.
- 51. Wimp, G. M., D. Lewis and S. M. Murphy. 2021. Prey identity but not prey quality affects spider performance. <u>Current Research in Insect Science</u> 1: 100013.
- 50. Wimp, G. M. and **S. M. Murphy.** 2021. Disentangling the effects of primary productivity and host plant traits on arthropod communities. <u>Functional Ecology</u> 35(3): 564-565.
- 49. Robinson-Castillo, M.**, A. Mitchell**, A. Fasching**, M. C. Vidal, M. Abarca*, G. M. Wimp, B. Bieber*, D. K. Vyas ** and *S. M. Murphy**. 2021. Protocols for rearing fall webworm (*Hyphantria cunea*) in a colony and basic methods for laboratory and experiments. University of Denver Undergraduate Research Journal 2(1): 75-85.
- 48. **Murphy, S. M.,** L. A. Richards, and G. M. Wimp. 2020. Editorial: Arthropod interactions and responses to disturbance in a changing world. <u>Frontiers in Ecology and Evolution</u> 8:93.
- 47. Vidal, M. C.*, J. T. Lill, R. J. Marquis, and **S. M. Murphy**. 2020. Geographic variation in performance of a widespread generalist herbivore. <u>Ecological Entomology</u> 45: 617-625.
- 46. Wilson, J. D.*, S. C. Anner**, **S. M. Murphy***, and R. M. Tinghitella*. 2020. Consequences of advanced maternal age on reproductive investment of male offspring. <u>Journal of Orthoptera Research</u> 29(1): 71-76. (#=shared last authorship)
- 45. **Murphy, S. M.,** D. Lewis , and G. M. Wimp. 2020. Predator population size structure alters consumption of prey from epigeic and grazing foodwebs. <u>Oecologia</u> 192: 791–799.
- 44. Broder, E. D.*, K. E. Guilbert, R. M. Tinghitella, **S. M. Murphy**, C. Ghalambor, and L. Angeloni. 2019. Authentic science with dissemination increases self-efficacy of middle school students. <u>Integrative and Comparative Biology</u> 59(6): 1497–1508.
- 43. Vidal, M. C.*, T. Quinn, J. Stireman, R. Tinghitella, and **S. M. Murphy**. 2019. Geography is more important than host plant use for the population genetic structure of a generalist insect herbivore. <u>Molecular Ecology</u> 28: 4317–4334.
- 42. Wimp, G. M., D. Lewis and S. M. Murphy. 2019. Impacts of nutrient subsidies on salt marsh arthropod food webs: a latitudinal survey. Frontiers in Ecology and Evolution 7: 350.
- 41. Horna Lowell, E. S.**, J. A. Morris, M. C. Vidal*, C. S. Durso, and **S. M. Murphy**. 2019. The effect of conspecific cues on honey bee foraging behavior. <u>Apidologie</u> 50:454–462.

- 40. Murphy, S. M., M. C. Vidal*, C. J. Hallagan*, E. D. Broder*, E. E. Barnes*, E. S. Horna Lowell*, and J. D. Wilson*. 2019. Does this title bug (Hemiptera) you? How to write a title that increases your citations. Ecological Entomology 44: 593-600.

 ***A top-downloaded paper for Ecological Entomology
- 39. Wimp, G. M., L. Ries, D. Lewis and S. M. Murphy. 2019. Habitat edge responses of generalist predators is predicted by prey and structural resources. <u>Ecology</u> 100(6): e02662.
- 38. Grenis, K.* and **S. M. Murphy**. 2019. Direct and indirect effects of light pollution on the performance of an herbivorous insect. <u>Insect Science</u> 26:770–776.
- 37. Beshai, R. A.**, E. E. Barnes*, and **S. M. Murphy**. 2019. The role of enemy-mediated competition in determining the fitness of a generalist herbivore. <u>Southwestern</u> Entomologist 44(1): 69–77.
- 36. Vidal, M. C.* and **S. M. Murphy**. 2018. Quantitative measure of fitness in tri-trophic interactions and its influence on diet breadth of insect herbivores. <u>Ecology</u> 99(12): 2681–2691.
- 35. Murphy, S. M., M. C. Vidal*, T. P. Smith**, C. J. Hallagan*, E. D. Broder*, D. Rowland**, and L. C. Cepero*. 2018. Forest fire severity affects host plant quality and insect herbivore damage. Frontiers in Ecology and Evolution 6:135. doi: 10.3389/fevo.2018.00135
- 34. Koltz, A. M., L. A. Burkle, Y. Pressler, J. E. Dell, M. C. Vidal*, L. A. Richards and **S. M.**Murphy. 2018. Global change and the importance of fire for the ecology and evolution of insects. <u>Current Opinion in Insect Science</u> 29: 110-116.
- 33. Lehto, W. R.*, **S. M. Murphy**, M. C. Vidal* and R. M. Tinghitella. 2018. Life tables, Darwin's finches, and the dynamics of small island populations. <u>National Center for Case Study Teaching in Science</u>. University of Buffalo, State University of New York. https://www.nsta.org/case-studies
- 32. Barnes, E. E.* and **S. M. Murphy**. 2018. Time-lagged intraspecific competition in temporally separated cohorts of a generalist insect. <u>Oecologia</u> 186: 711-718.
- 31. Murphy, S. M., M. C. Vidal*, C. J. Hallagan*, E. E. Barnes* and E. D. Broder*. 2018. A slow-growth high-mortality meta-analysis for insects: A comment on Chen & Chen. <u>Insect Science</u> 25: 352-354.
- 30. Vidal, M. C.* and **S. M. Murphy**. 2018. Bottom-up vs. top-down effects on terrestrial insect herbivores: a meta-analysis. <u>Ecology Letters</u> 21: 138-150.

 ***A top-downloaded paper for Ecology Letters
- 29. Vidal, M. C.*, K. Grenis*, W. R. Lehto*, R. M. Tinghitella and **S. M. Murphy**. 2017.

 Butterfly hunt: the role of density dependence in Batesian and Müllerian mimicry. National Center for Case Study Teaching in Science. University of Buffalo, State University of New York. https://www.nsta.org/case-studies
- 28. Grenis, K.*, W. R. Lehto*, **S. M. Murphy**, M. C. Vidal* and R. M. Tinghitella. 2017.

 Animals on Treadmills: critical thinking and public perception of science. <u>National Center for Case Study Teaching in Science</u>. University of Buffalo, State University of New York. https://www.nsta.org/case-studies

- 27. Ries, L., **S. M. Murphy**, G. M. Wimp and R. Fletcher. 2017. Closing persistent gaps in knowledge about edge ecology. <u>Current Landscape Ecology Reports</u> 2:30–41.
- 26. Barnes, E. E.*, S. Gosnell**, C. Hallagan**, K. E. Otten**, L. Slayter** and **S. M. Murphy**. 2016. Performance of western tent caterpillar (*Malacosoma californicum*) on two common host plants, including a new host plant record. <u>Journal of the Lepidopterists' Society</u> 70(4): 277–282.
- 25. **Murphy, S. M.**, A. H. Battocletti*, R. M. Tinghitella, G. M. Wimp, and L. Ries. 2016. Complex community and evolutionary responses to habitat fragmentation and habitat edges: what can we learn from insect science? <u>Current Opinion in Insect Science</u> 14: 61–65.
- 24. **Murphy S. M.** and K. J. Loewy*. 2015. Trade-offs in host choice of an herbivorous insect based on parasitism and larval performance. <u>Oecologia</u> 179: 741-751.
- 23. Grenis, K.*, B. Tjossem** and **S. M. Murphy.** 2015. Predation of larval Lepidoptera in habitat fragments varies spatially and temporally but is not affected by light pollution. <u>Journal of Insect Conservation</u> 19: 559–566.
- 22. **Murphy, S. M.**, J. T. Lill, M. D. Bowers and M. S. Singer. 2014. Enemy-free space for parasitoids. <u>Environmental Entomology</u> 43(6): 1465–1474.
- 21. Stoepler, T. M., J. T. Lill and **S. M. Murphy**. 2014. Intraplant movement of generalist slug caterpillars (Limacodidae: Lepidoptera): Effects of host plant and light environment. <u>Environmental Entomology</u> 43(6): 1561–1573.
- 20. **Murphy, S. M.**, T. M. Stoepler, K. Grenis*, and J. T. Lill. 2014. Host ontogeny determines parasitoid use of a forest caterpillar. <u>Entomologia Experimentalis et Applicata</u> 150: 217–225.
- 19. Fiorentino, V. L.**, **S. M. Murphy**, T. M. Stoepler and J. T. Lill. 2014. Facilitative effects of group feeding on performance of the saddleback caterpillar, *Acharia stimulea* (Lepidoptera: Limacodidae). Environmental Entomology 43: 131–138.
- 18. Loewy, K. J.*, A. Flansburg**, K. Grenis*, M. Kjeldgaard**, J. McCarty**, L. Montesano**, J. Vernick** and **S. M. Murphy**. 2013. Life history traits and rearing techniques for fall webworm (*Hyphantria cunea* Drury) in Colorado. <u>Journal of the Lepidopterists' Society</u> 67(3): 196-205.
- 17. Wimp, G. M., **S. M. Murphy**, D. Lewis , M. R. Douglas*, R. Ambikapathi**, L'A. Van-Tull**, C. Gratton and R. F. Denno. 2013. Predator hunting mode influences patterns of prey use from grazing and epigeic food webs. <u>Oecologia</u> 171: 505-515.
- 16. **Murphy, S. M.**, G. M. Wimp, D. Lewis ⁹ and R. F. Denno. 2012. Nutrient presses and pulses differentially impact plants, herbivores, detritivores and their natural enemies. <u>PLoS ONE</u> 7(8): e43929.
- 15. Gates, M. W., J. T. Lill, R. R. Kula, J. E. O'Hara, D. B. Wahl, D. R. Smith, J. B. Whitfield, **S. M. Murphy** and T. M. Stoepler*. 2012. Review of parasitoid wasps and flies (Hymenoptera, Diptera) associated with Limacodidae (Lepidoptera) in North America, with a key to genera. Proceedings of the Entomological Society of Washington 114(1): 24–110.
- 14. Stoepler, T. M.*, J. T. Lill and **S. M. Murphy.** 2011. Cascading effects of host size and host plant species on parasitoid resource allocation. <u>Ecological Entomology</u> 36: 724–735.

- 13. **Murphy, S. M.,** J. T. Lill and M. E. Epstein. 2011. Natural history of Limacodid moths (Zygaenoidea) in the environs of Washington, DC. <u>Journal of the Lepidopterists' Society</u> 65(3): 137–152.
- 12. Wimp, G. M., **S. M. Murphy**, D. Lewis and L. Ries. 2011. Do edge responses cascade up or down a multi-trophic foodweb? <u>Ecology Letters</u> 14: 863–870.
- 11. **Murphy, S. M.** and J. T. Lill. 2010. Winter predation of diapausing cocoons of slug caterpillars (Lepidoptera: Limacodidae). Environmental Entomology 39(6): 1893–1902.
- 10. Wimp, G. M., **S. M. Murphy**, D. L. Finke, A. F. Huberty and R. F. Denno. 2010. Increased primary production shifts the structure and composition of a terrestrial arthropod community. <u>Ecology</u> 91(11): 3303-3311.
- 9. Kula, R. R., J. T. Lill, **S. M. Murphy** and T. Stoepler*. 2010. The first host records for the nearctic species *Triraphis discoideus* (Hymenoptera: Braconidae: Rogadinae). Entomological News 120(4): 380–386.
- 8. Murphy, S. M., S. M. Leahy**, L. S. Williams** and J. T. Lill. 2010. Stinging spines protect slug caterpillars (Limacodidae) from multiple generalist predators. <u>Behavioral Ecology</u> 21(1): 153-160.
- 7. **Murphy, S. M.,** J. T. Lill and D. R. Smith. 2009. A scattershot approach to host location: Uncovering the unique life history of the Trigonalyid hyperparasitoid *Orthogonalys pulchella* Cresson. American Entomologist 55(2): 82–87.
- 6. **Murphy, S. M.** 2008. Notes on *Papilio machaon aliaska* (Papilionidae) populations near Fairbanks, AK. <u>Journal of the Lepidopterists' Society</u> 62(2): 80–83.
- 5. **Murphy, S. M.** 2007. Inconsistent use of host plants by the Alaskan swallowtail butterfly: Adult preference experiments suggest labile oviposition strategy. <u>Ecological Entomology</u> 32: 143–152.
- 4. **Murphy, S. M.** 2007. The effect of host plant on larval survivorship of the Alaskan swallowtail butterfly (*Papilio machaon aliaska*). Entomologia Experimentalis et Applicata 122: 109–115.
- 3. **Murphy, S. M.** and P. P. Feeny. 2006. Chemical facilitation of a naturally-occurring host shift by *Papilio machaon* butterflies (Papilionidae). <u>Ecological Monographs</u> 76(3): 399-414.
- 2. **Murphy, S. M.** 2004. Enemy-free space maintains swallowtail butterfly host shift. <u>Proceedings of the National Academy of Sciences</u> 101(52): 18048–18052.
- 1. **Murphy, S. M.** and Y. B. Linhart. 1999. Comparative morphology of the gastrointestinal tract in the feeding specialist *Sciurus aberti* and several generalist congeners. <u>Journal of Mammalogy</u> 80(4): 1325–1330.

Non-Peer Reviewed Articles

2. Galemba, R., K. McRae, **S. M. Murphy**, A. A. Sher, and A. Stanton. 2022. Supporting DU faculty (and staff) caregivers with family-friendly practices. <u>Vice Provost of Faculty Affairs</u> Website.

1. Morris, J. A. and **S. M. Murphy**. 2015. A New Community Garden on the University of Denver Campus. <u>Denver Museum of Nature & Science Reports</u> 2: 6–8.

Edited Volumes

- 3. **Murphy, S. M.** and G. M. Wimp. 2021. Global Change Biology issue (13 papers included). <u>Current Opinion in Insect Science.</u>
- 2. **Murphy, S. M.,** L. A. Richards, and G. M. Wimp. 2020. Special Research Topic "Arthropod Interactions and Responses to Disturbance in a Changing World" (19 papers included). <u>Frontiers in Ecology and Evolution.</u>
- 1. **Murphy, S. M.** editor. 2015. 26th Annual Meeting of the High Country Lepidopterists. <u>Denver Museum of Nature & Science Reports</u> 2: 1–11.

GRANTS AND FELLOWSHIPS

Extramural funding (at DU)	
2023–24 Joint Fire Science Program, Bureau of Land Management	\$10,000
Awarded with my graduate student Alaina Smith	,
2020-25 National Science Foundation, Population and Community Ecology.	\$1,529,343
Collaborative grant with Murphy as PI, \$744,343 to Murphy	
2019-23 National Science Foundation, Population and Community Ecology	\$49,940
Program. Travel Grant and Synthesis Workshop, Murphy as Pl	
2020-21 Boulder Open Space and Mountain Parks	\$5,000
2019-22 National Science Foundation, Research Coordination Networks in	\$74,975
Undergraduate Biology Education, Murphy as Pl	*** ***
Entomological Society of America, funding for students from my Insect	\$8,400
Ecology class to attend the Annual Meeting in Denver	¢120.61E
2018–21 National Oceanic and Atmospheric Administration, New Jersey Sea Grant Consortium. Collaborative grant with Murphy as Co-PI,	\$139,615
Murphy portion \$38,535	
2017 Entomological Society of America, funding for students from my Insect	\$8,400
Ecology class to attend the Annual Meeting in Denver	\$0,100
2013 National Science Foundation, Population and Community Ecology	\$22,788
Program. Research Experience for Teachers award, Murphy as Pl	, — _ ,
2010-16 National Science Foundation, Population and Community Ecology	\$800,000
Collaborative grant with Murphy as PI, \$400,000	
Intramural funding (at DU)	
2023 Internationalization grant "Strengthening partnership with the	\$9,000
University of Glasgow via Research Collaborations."	4 000
2020–23 Knowledge Bridge pilot funding to create a Global Environmental	\$45,000
Change Institute at the University of Denver	¢2 F00
2021–22 DU Libraries Information Literacy Grant	\$2,500
2019–21 Faculty Internationalization Grant, University of Denver 2019–20 Knowledge Bridge Incubator Funding	\$2,000 \$5,000
2019–20 NSM Olin Faculty Development Award, University of Denver	\$8,220
Co-awarded with Dr. Robin Tinghitella to attend the	¥0,220
Alda Center for Communicating Science, Stem immersion program	
2019 University of Denver Course Design Institute	\$1,000
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2019-20	University of Denver Public Good Bridge Fund "DU SciTech 2019: Building STEM identification and scientific self-efficacy with girls of color in Denver."	\$20,000
	Co-awarded with Dr. Robin Tinghitella and Dr. Jennifer Hoffman	
	University of Denver, Professional Research Opportunities for Faculty Knoebel Institute for Healthy Aging Co-awarded with Dr. Robin Tinghitella	\$20,000 \$40,000
2018-19 2017	University of Denver Public Impact Fellow Internationalization Grant "Biology Strategic Partnership and 311 with	\$1,000 \$23,180
2017	University of Western Australia." Internationalization Grant "Biology Strategic Partnership and 311 with Lund University."	\$7,982
2017	Public Good Fund to support "DUSciTech: A STEM summer camp for girls from underrepresented backgrounds at the University of Denver."	\$15,000
2016	Co-awarded with Dr. Robin Tinghitella and Dr. Jennifer Hoffman Public Good Fund to support "DUSciTech: A STEM summer camp for girls from underrepresented backgrounds at the University of Denver." Co-awarded with Dr. Robin Tinghitella and Dr. Jennifer Hoffman	\$19,000
2016	Center for Community Engagement and Service Learning, Service Learning course grant	\$750
2016	Center for Community Engagement and Service Learning, High-Impact STEM Community Engagement mini-grant	\$750
2016	NSM Olin Faculty Development Award, University of Denver Co-awarded with Dr. Julie Morris	\$2,817
2016	Center for Community Engagement and Service Learning, High-Impact STEM Education conference grant	\$900
2016	Office of Teaching and Learning "One New Thing" award, University of Denver	\$500
2016 2015-18	Faculty Internationalization Grant, University of Denver University of Denver Research Post Doctoral Fellows Award	\$3,815 \$65,000
2015	Co-awarded with Dr. Robin Tinghitella NSM Olin Faculty Development Award, University of Denver Co-awarded with Dr. Robin Tinghitella	\$3,390
Graduate	and Postdoctoral Funding Prior to Arrival at DU	
	National Parks Ecological Research Fellowship	\$144,000
	Gordon Conference Travel Grants (x3)	\$2,200
2003	American Museum of Natural History, Theodore Roosevelt Memorial Fund	\$1,000
	National Science Foundation Doctoral Dissertation Improvement Grant	\$12,000
2001	Explorer's Club Exploration Fund Grant	\$1,200
2001	Organization for Tropical Studies <i>Tropical Biology</i> course	\$3,000
2001	National Science Foundation Graduate Research Fellowship Travel Grant Cornell University Conference & Travel Grants (x5)	\$1,000 \$2,900
	Edna Bailey Sussman Fund Grants (x2)	\$8,000
	Andrew W. Mellon Student Research Grants (x3)	\$2,300
	Sigma Xi Grants (x3)	\$1,700
	Department of Ecology and Evolutionary Biology Grants (x4)	\$2,400
	National Science Foundation Graduate Research Fellowship	\$62,000
1998-99 1996	Cornell Fellowship from the Cornell University Graduate School Undergraduate Research Opportunities Program Grants (x2)	\$16,000 \$600
Funding to DU Mentees (undergraduate students, graduate students, and postdocs)		
Extramur	al to DU	\$738,104
Intramura	al from DU	\$213,861

TEACHING

Undergraduate Courses

- BIOL 2010 General Ecology
- BIOL 3085 Insect Ecology
- BIOL 3095 Global Change Ecology
- BIOL 3700 Plant-Insect Ecology

Graduate Courses

- BIOL 4220 Graduate Seminar: Scientific Writing
- BIOL 4220 Graduate Seminar: Insect Ecology
- BIOL 4220 Graduate Seminar: Introduction to Entomology
- BIOL 4220 Graduate Seminar: Plant-Insect Ecology
- BIOL 4231 Responsible Conduct in Research (research ethics)
- BIOL 4330 Foundations in Literature: Ecology

Guest Lectures

- 2021 Mesa State University
- 2021,22 Salisbury University

Professional Development

- 2023 University of Denver, Teaching for Inclusion and Equity Badge
- 2022 University of Denver Office of Teaching and Learning, Neurodiversity Institute,
- 2022 University of Denver Office of Teaching and Learning, UDL Your Course: Flexible
- 2022 University of Denver Office of Teaching and Learning, UDL Your Course: Inclusive Classroom Participation
- 2021 Center for the Improvement of Mentored Experience in Research
- 2020 University of Denver Office of Teaching and Learning, Teaching Online Short Course
- 2019 Alda Center for Communicating Science, STEM Immersion program
- 2019 University of Denver Office of Teaching and Learning, Course Design Institute
- 2018 University of Denver, Public Impact Fellow
- 2016 University of Denver Community-Engaged and Service Learning Training Course
- 2016 University of Denver Office of Teaching and Learning, Inclusive Excellence training
- 2011 University of Denver High Performance Leadership Program

RESEARCH ADVISING

Postdoctoral Scholars

- 2020-21 Mariana Abarca (co-advised with Dr. Gina Wimp, Georgetown University)
- 2019–21 Dhaval Vyas (co-advised with Dr. Erica Larson, University of Denver)
- 2016-18 Dale Broder (co-advised with Dr. Robin Tinghitella, University of Denver)
- 2010-16 Danny Lewis (co-advised with Dr. Gina Wimp, Georgetown University)

Graduate Students, Advisor

- 2025 Kailey Hicks, M. S.
- 2025 Emma Sellers, M. S.
- 2025 Mykaela Tanino-Springsteen, M.S.

- 2024 Alaina Smith, M.S.
- 2022 Blyssalvn Bieber, M.S.
- 2019 Eva Horna Lowell, M.S.
- 2019 Jacob Wilson, M.S.
- 2019 Claudia Hallagan, M.S.
- 2018 Mayra Vidal, Ph.D.
- 2017 Elizabeth Barnes, Ph.D.
- 2016 Kylee Grenis, Ph.D.
- 2013 Katrina Loewy, M.S.

Graduate Students, Committee Member

- 2028 Lacey Conrad, Ph.D.
- 2028 Scott Melander, Ph.D.
- 2026 Aziz Syammach, Ph.D.
- 2025 Gabrielle Welsh, Ph.D.
- 2023 Alexander Goetz, Ph.D.
- 2022 Ali Alghamdi, Ph.D.
- 2022 Amy Byerly, Ph.D.
- 2021 Brooke Washburn, Ph.D.
- 2020 Kelsie Hunnicutt, Ph.D.
- 2020 Dan Swann, M.S.
- 2020 Brittany Sprout, M.S.
- 2020 Annie Henry, Ph.D.
- 2019 Whitley Lehto, Ph.D.
- 2018 Gabrielle Gurule-Small, M.S.
- 2018 Lisa Clark, M.S.
- 2017 Darin Schulte, PhD
- 2016 Caitlin Kelly, Ph.D. (University of Colorado)
- 2015 Ross Minter, M.S.
- 2015 Gordon Kersten, M.S.
- Hisham El Waer, Ph.D.

<u>Undergraduate Honors Thesis Students</u>

- 2024 Max Meyer, B.S.
- 2023 Kailey Hicks, B.S.
- 2023 Emma Sellers, B.S.
- 2023 Bella Shaw, B.S.
- 2023 Audrey Mitchell, B.S.
- 2019 Andrea Ku, B.S.
- 2017 Eva Horna Lowell, B.S.
- 2017 Timothy Smith, B.S.
- 2017 Ryan Beshai, B.S.
- 2017 Dexter Rowland, B.S.
- 2016 Lainey Slayter, B. S.
- 2014 Bergen Tjossem, B.S.
- 2013 Jennifer McCarty, B.S.
- 2013 Amy Flansburg, B.S.
- 2013 MacKenzie Kjeldgaard, B.S.
- 2012 Jennifer Vernick, B. S.

Undergraduate Students at DU: Research experience in my lab (at least 1 guarter or summer)

- ** Students who have co-authored publications
- § Students who have presented posters or given talks
- ¶ Students who were funded intramurally (e.g., DU Partnership in Scholarship Grant, DU Summer Research Grant, Pustmueller Fellowship, Emerging Scholars Fellowship, IRISE)
- 1. Austin Adams
- 2. Lucy Allen
- 3. Bruna Barbar
- 4. Ryan Beshai ** § ¶
- 5. Kiaryce Bey **
- 6. Allison Brunner
- 7. Trinity Brush
- 8. Lincoln Buttrick
- 9. Da Laina Cameron ¶
- 10. Corinne Casper
- 11. Carissa Cherpes § ¶
- 12. Grace Connor
- 13. Nicole Cosmany
- 14. Margot Couraud (Kalamazoo College)
- 15. Tanisha Crosby-Addipoe
- 16. Shanika De Silva
- 17. Meredith DeSouza
- 18. Becki Dillon
- 19. Avery Evans
- 20. Amanda Fasching ** ¶
- 21. Kirsten Fetrow ** § \P
- 22. Hannah Fine
- 23. Amy Flansburg** § ¶
- 24. Maddie Gelinas
- 25. Sofia Giaritelli
- 26. Sierra Golbetz
- 27. Sarah Gosnell**
- 28. Andrew Haertzen ¶
- 29. Claudia Hallagan** §
- 30. Kate Harrison
- 31. Ashley Hasty § ¶
- 32. Kailey Hicks §
- 33. Sarah Hicks
- 34. Bridget Hill
- 35. Collette Hong
- 36. Sophia Kim
- 37. Eva Horna Lowell ** § ¶
- 38. Veronica Huizar Cabral § ¶
- 39. Eilidh Keuss
- 40. MacKenzie Kjeldgaard** § ¶
- 41. Sarah Kraft (Kalamazoo College)
- 42. Andrea Ku § ¶
- 43. Paulina Levy
- 44. Ellie Mango
- 45. Mallory Mayeda

- 46. Jennifer McCarty** § ¶
- 47. Yorke McGillivray (Colorado State U.)
- 48. Max Mever
- 49. Audrey Mitchell ** § ¶
- 50. Morgann Monahan
- 51. Lily Montesano**
- 52. Sara Neuder
- 53. Gia Ngo
- 54. Angel Nickels
- 55. Kayla Nocon
- 56. Sarah Olson
- 57. Keelia Otten**
- 58. Elizabeth Pacheco § ¶
- 59. Emma Phillips
- 60. Traci Reese
- 61. JD Reigrut (Vassar College)
- 62. Matt Reiman
- 63. Maelah Robinson-Castillo ** § ¶
- 64. Bailey Rojewski
- 65. Dexter Rowland ** § ¶
- 66. Kate Sanford
- 67. Todd Savolt
- 68. Emma Sellers § ¶
- 69. Allison Serakos
- 70. Bella Shaw
- 71. Norah Schroder ¶
- 72. Lia Shtereva
- 73. Katherine Sislow
- 74. Lainey Slayter** § ¶
- 75. Maddie Sligh
- 76. Timothy Smith ** § ¶
- 77. Grace Sommerville § ¶
- 78. Mykaela Tanino-Springsteen ** §
- 79. Ruby Tedeschi
- 80. Bergen Tjossem** § ¶
- 81. Mika Ulmet
- 82. Jennifer Vernick** § ¶
- 83. Alexandra Vieth
- 84. April Vollmer
- 85. Mick Wahlheim ¶
- 86. Rachel Wegener
- 87. Samantha Winsett
- 88. Mikenna Wolff
- 89. Morgan Ziegler
- 90. Gui Zheng ¶

Undergraduate Students: Natural Sciences and Math Inclusive Excellence Mentor Program

- 1. Ruth Hollenbeck
- 2. Abby Horton

<u>Graduate Students: Research experience in my lab (not including Thesis students above)</u>

1. Amanda Keil - MA in Curriculum and Instruction from the Morgridge College of Education

High School Students: Research experience in my lab

- 1. Walker Hecht, Heritage High School
- 2. James Sheinbaum, Smokey Hill High School
- 3. Helen Gloege, DSST
- 4. Max Guerra, George Washington High School
- 5. Kanshita Dam, Kent Denver

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

Invited D	resentations
2024	Pioneer Journeys, Panama
2024	Pioneer Journeys, Costa Rica
2023	University of Glasgow, Glasgow, Scotland
2022	International Congress of Entomology, Helsinki, Finland
2021	Denver Botanic Gardens, Denver, CO
2021	Entomological Society of America, Annual Meeting: Denver, CO
2021	Western State College of Colorado, Department of Biology
2021	Global Environmental Change Institute, University of Denver
	(virtual due to COVID-19)
2020	Nocturnal World Workshop, Bristol, UK (virtual due to COVID-19)
2020	University of Alabama, Department of Biological Sciences, Tuscaloosa Alabama (virtual due to COVID-19)
2020	Colorado Native Plant Society Annual meeting, Golden Colorado
	(virtual due to COVID-19)
2020	Artificial Light at Night, 6th International Conference, Lleida Spain
	(virtual due to COVID-19)
2020	International Congress of Entomology, Helsinki Spain (postponed due to COVID-19)
2019	Colorado State University, Department of Biology
2019	University of Denver, Knoebel Institute for Healthy Aging
2019	Boulder Garden Club, Boulder Colorado
2018	Stockholm University, Department of Zoology, Stockholm Sweden
2018	Lund University, Department of Biology, Lund Sweden
2018	Colorado State University, Department of Bioagricultural Sciences and Pest Management
2018	Undergraduate Research & Scholarship, University of Denver
2018	Hadassah, Denver, CO
2018	University of Western Australia, School of Biological Sciences, Perth Australia
2018	University of Colorado, Colorado Springs, Department of Biology
2018	Pike's Peak Beekeepers Association
2017	Entomological Society of America, Annual Meeting: Denver, CO
2017	University of Colorado Denver, Department of Integrative Biology
2017	University of Denver, Internationalization Summit
2017	University of Denver, Department of Biological Sciences
2017	University of Kentucky, Department of Entomology
2017	University of Denver, DU Diversity Summit on Inclusive Excellence
2016	University of Denver, Center for Community Engagement and Service Learning

2016	James Cook University, Center for Tropical Biodiversity and Climate Change,
	Queensland Australia
2016	University of Denver, Office of Teaching and Learning
2015	University of Colorado, Department of Ecology and Evolutionary Biology
2015	Purdue University, Department of Entomology
2014	Colorado State University, Department of Bioagricultural Sciences and Pest
	Management
2014	Colorado College, Department of Biology
2013	Entomological Society of America, Annual Meeting: Austin, TX
2013	University of Denver, Wellness Program "Get Growing!" summer series
2013	University of Wyoming, Department of Zoology
	Western State College of Colorado, Department of Biology
2012	
2011	University of Northern Colorado, School of Biological Sciences
2010	Virginia Tech, Department of Biological Sciences
2009	Cornell University, Department of Ecology and Evolutionary Biology
2009	University of Virginia, Blandy Experimental Farm
2009	University of Denver, Department of Biological Sciences
2009	Smithsonian Environmental Research Center
2008	Entomological Society of America, Annual Meeting: Reno, NV
2008	Smithsonian Institution, National Museum of Natural History
2008-09	Howard Hughes Medical Institute & National Science Foundation, Research
	Experience for Undergraduates Seminar Series, George Washington University
2007	Georgetown University, Department of Biology
2006	University of Maryland, Department of Entomology
2005	The George Washington University, Department of Biological Sciences
2005	Cornell University, Department of Ecology and Evolutionary Biology
2004	Cornell University, Ecology and Evolutionary Biology Graduate Student Recruitment
2003	Eastern Branch of the Entomological Society of America: Harrisburg, PA
2003	Lastern Branen of the Entomological Society of America. Harrisburg, 170
Contribute	d Presentations
2023	Entomological Society of America, Annual Meeting: Washington, D.C.
2020	Entomological Society of America, Annual Meeting: Virtual due to COVID-19
2020	Entomological Society of America, North Central Branch Annual Meeting: Oklahoma
2020	City, OK (cancelled due to COVID-19)
2019	
	Entomological Society of America, Annual Meeting: St. Louis, MO
2019	Cardan Dagarah Canfaranca an Dlant Harbiyara Interactions (nactor), Vantura CA
	Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA
2018	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion,
	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO
2018	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting:
2018	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO
2018 2017	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA
2018 2017 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO
2018 2017 2016 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL
2018 2017 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO
2018 2017 2016 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL
2018 2017 2016 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting:
2018 2017 2016 2016 2016	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO
2018 2017 2016 2016 2016 2015	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO
2018 2017 2016 2016 2016 2015 2015 2015	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO
2018 2017 2016 2016 2016 2015 2015 2015 2014	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO
2018 2017 2016 2016 2016 2015 2015 2015 2014 2014	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Sacramento, CA
2018 2017 2016 2016 2016 2015 2015 2015 2014 2014 2013	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Sacramento, CA Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA
2018 2017 2016 2016 2016 2015 2015 2015 2014 2014	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Sacramento, CA Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting:
2018 2017 2016 2016 2016 2015 2015 2015 2014 2014 2014 2013 2012	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Sacramento, CA Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO
2018 2017 2016 2016 2016 2015 2015 2015 2014 2014 2013	High Country Lepidopterists' Society, Annual Meeting: Butterfly Pavilion, Westminster, CO Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA High Country Lepidopterists' Society, Annual Meeting: Boulder, CO International Congress of Entomology: Orlando, FL Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Lab, Gothic, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Baltimore, MD Front Range Isotope Day: US Geological Survey, Denver, CO High Country Lepidopterists' Society, Annual Meeting: Denver, CO Ecological Society of America, Annual Meeting: Sacramento, CA Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting:

2011 High Country Lepidopterists' Society, Annual Meeting: Boulder, CO 2011 Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO Entomological Society of America, Annual Meeting: San Diego, CA 2010 2010 Gordon Research Conference on Plant-Herbivore Interactions (poster): Galveston, TX 2009 Ecological Society of America, Annual Meeting: Albuquerque, NM 2008 Ecological Society of America, Annual Meeting: Milwaukee, WI 2007 Ecological Society of America, Annual Meeting: San Jose, CA Gordon Research Conference on Plant-Herbivore Interactions (poster): Ventura, CA 2007 2006 Ecological Society of America, Annual Meeting: Memphis, TN 2005 Ecological Society of America, Annual Meeting: Montreal, Canada 2005 Society for the Study of Evolution, Annual Meeting: Fairbanks, AK 2004 Ecological Society of America, Annual Meeting: Portland, OR Society for the Study of Evolution, Annual Meeting: Fort Collins, CO 2004 Ecology and Evolutionary Biology Graduate Student Symposium: Cornell University 1999-06 Guild of Rocky Mountain Population Biologists Annual Meeting: Colorado College 1996 Baca Campus, Crestone, CO

Contributed Presentations by Student Mentees while at DU

- **undergraduate student co-author, *graduate student co-author
- 2024 Sellers, E. J.*, D. K. Vyas, M. M. Tanino-Springsteen*, C. Guzinski*, M. C. Vidal, G. M. Wimp, M. S. Comerford, B. Maguire, and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
 - ***Winner of Best Student Presentation
- 2024 Smith, A. K.*, A. L. Carper, and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2024 Hicks, K.*, C. A. Guzinski*, M. M. Tanino-Springsteen*, and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2024 Tanino-Springsteen, M. M.*, D.K. Vyas, K. Hicks*, and **S. M. Murphy.** Front Range Student Ecology Symposium: Fort Collins, CO.
- 2024 Tobin, K.*, **S. M. Murphy,** and A. A. Sher. Front Range Student Ecology Symposium: Fort Collins, CO. (poster)
- 2024 Schroder, N.**, A. Smith*, and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO. (poster)
- 2024 Wahlheim, M.**, A. Smith*, and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO. (poster)
- 2024 Mitchell, A.**, D. K. Vyas, and S. M. Murphy. Biology 24: Zurich, Switzerland. (poster)
- 2023 Tanino-Springsteen, M. M.*, D.K. Vyas, K. Hicks*, and S. M. Murphy. University of Denver, Biology Graduate Symposium.
- 2023 Smith, A.*, M. Wahlheim**, S. Hicks**, N. Schroder**, and **S. M. Murphy**. International Fire Ecology and Management Congress. Monterey, CA.
- 2023 Sellers, E. J.*, D. K. Vyas, M. M. Tanino-Springsteen*, C. Guzinski*, M. C. Vidal, G. M. Wimp, M. S. Comerford, B. Maguire, and **S. M. Murphy.** Entomological Society of America, Annual Meeting: Washington, D.C.
- 2023 Smith, A. K.*, A. L. Carper, and S. M. Murphy. Entomological Society of America, Annual Meeting: Washington, D.C. (poster)

 **Winner of Best Graduate Student Poster
- 2023 Hicks, K.*, C. A. Guzinski*, M. M. Tanino-Springsteen*, and **S. M. Murphy.** Entomological Society of America, Annual Meeting: Washington, D.C. (poster)
- 2023 Meyer, M.** and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: University of Colorado, Boulder, CO.

- 2022 Mitchell, A.**, D. K. Vyas, and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2022 Tanino-Springsteen, M.**, D. K. Vyas, C. Durso, A. Mitchell**, and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2022 Guzinski, C.*, A. Mitchell**, D. K. Vyas and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station. CO.
- 2022 Hasty, H.**, D. K. Vyas, M. Tanino-Springsteen**, and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO. (poster)
- 2022 Sellers, E.**, D. K. Vyas, M. Tanino-Springsteen,** and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO. (poster)
- 2022 Hicks, K.**, C, Guzinski, M. Tanino-Springsteen**, and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO. (poster)
- 2022 Guzinski, C.*, A. Mitchell**, D. K. Vyas and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2022 Bieber, B. V.*, A. L. Carper and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2022 Tanino-Springsteen, M.**, D. K. Vyas and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2021 Guzinski, C.*, A. Mitchell**, D. K. Vyas and **S. M. Murphy**. Entomological Society of America, Annual Meeting: Denver, CO. "
 ***Winner of Best Graduate Student Presentation
- 2021 Bieber, B. V.*, A. L. Carper and **S. M. Murphy**. Entomological Society of America, Annual Meeting: Denver, CO.
- 2021 Mitchell**, A., D. K. Vyas, and **S. M. Murphy.** Annual Meeting of the Lepidopterists' Society: Virtual.

 **Winner 2nd Best Student Presentation
- 2019 Horna Lowell, E. S.* and **S. M. Murphy**. Entomological Society of America, Annual Meeting: St. Louis, MO.
- 2019 Hallagan, C. J.*, **S. M. Murphy**, A. M. Smilanich, J. D. Wilson*, and R. M. Tinghitella. Gordon Research Conference: Ventura, CA. (poster)
- 2019 Horna Lowell, E. S.* and **S. M. Murphy**. Gordon Research Conference: Ventura, CA. (poster)
- 2019 Wilson, J.*, **S. M. Murphy,** and R. M. Tinghitella. Gordon Research Conference: Ventura, CA. (poster)
- 2018 Hallagan, C. J.*, **S. M. Murphy**, A. Smilanich, J. D. Wilson*, and R. M. Tinghitella. Entomological Society of America, Annual Meeting: Vancouver, BC. (poster)
- 2018 Horna Lowell, E. S.* and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2018 Hallagan, C. J.*, **S. M. Murphy**, J. C. Wilson*, A. Smilanich, and R. M. Tinghitella. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2018 Ku, A.**, E. S. Horna Lowell*, and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO. (poster)
- 2018 Horna Lowell*, E. S., J. A. Morris, M. C. Vidal*, C. S. Durso and **S. M. Murphy**. International Society for Behavioral Ecology: Minneapolis, MN.
- 2018 Hoffman, J. L., K. J. Fetrow**, D. E. Broder¹, S. M. Murphy, R. M. Tinghitella, and Q. N. Hart. American Astronomical Society, Annual Meeting: Denver, CO. " (poster)

- 2018 Wilson, J. D.*, C. J. Hallagan*, S. **M. Murphy** and R. M. Tinghitella. Front Range Student Ecology Symposium: Fort Collins, CO. "(poster)
 - **Winner of Best Graduate Student Poster.
- 2018 Hallagan*, C. J., R. M. Tinghitella and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
 - **Winner of 2nd place for Best Presentation.
- 2018 Fetrow, K.**, E. D. Broder[¶], **S. M. Murphy**, R. M. Tinghitella, Q. Hart and J. Hoffman. Front Range Student Ecology Symposium: Fort Collins, CO. (poster)
 - **Winner of 2nd place for Best Undergraduate Poster.
- 2018 Horna Lowell, E. S.*, J. A. Morris, M. C. Vidal*, C. S. Durso and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2017 Vidal, M. C.* and S. M. Murphy. Entomological Society of America, Annual Meeting: Denver, CO.
- 2017 Hallagan, C.*, **S. M. Murphy** and R. M. Tinghitella. Entomological Society of America, Annual Meeting: Denver, CO. (poster)
 - **Winner of Second Place for the Student Competition for the President's Prize.
- 2017 Broder, E. D. 1, K. Fetrow**, **S. M. Murphy**, R. M. Tinghitella, J. Hoffman and Q. Hart. Entomological Society of America, Annual Meeting: Denver, CO.
- 2017 Fetrow, K.**, E. D. Broder¶, **S. M. Murphy**, R. M. Tinghitella, Q. Hart and J. Hoffman. Entomological Society of America, Annual Meeting: Denver, CO. (poster)
- 2017 Grenis, K.*, C. Nufio, G. M. Wimp and **S. M. Murphy**. Entomological Society of America, Annual Meeting: Denver, CO. (Invited)
- 2017 Horna Lowell, E. S.*, J. A. Morris, M. C. Vidal*, C. S. Durso and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2017 Vidal, M.C.* and **S. M. Murphy.** Society for the Study of Evolution, Annual Meeting: Portland, OR.
- 2017 Vidal, M.C.* and S. M. Murphy. Front Range Student Ecology Symposium: Fort Collins, CO.
- 2017 Horna Lowell, E. S.**, J. A. Morris and **S. M. Murphy**. Front Range Student Ecology Symposium: Fort Collins, CO. (poster)
- 2017 Barnes, E. E.* and S. M. Murphy. Gordon Research Conference: Ventura, CA. (poster)
- 2017 Vidal, M.C.* and S. M. Murphy. Gordon Research Conference: Ventura, CA. (poster)
- 2016 Smith, T.,** L. Cepero*, and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.
- 2016 Beshai, R.**, E. E. Barnes*, and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.
- 2016 Barnes, E.E.*, S. Gosnell**, C. Hallagan**, K. Otten**, L. Slayter** and S. M. Murphy. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.
- 2016 Vidal, M.C.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.
- 2016 Vidal, M. C.* and S. M. Murphy. International Congress of Entomology: Orlando, FL.
- 2016 Vidal, M. C.* and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Laboratory, Gothic CO.
- 2016 Barnes, E. E.* and S. M. Murphy. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: Rocky Mountain Biological Laboratory, Gothic CO.
- 2016 Vidal, M. C.* and **S. M. Murphy.** Annual Meeting of the Lepidopterists' Society: Florissant, CO.
- 2016 Barnes, E. E.* and **S. M. Murphy.** Annual Meeting of the Lepidopterists' Society: Florissant, CO.
 - **Winner of Best Presentation by a Student.
- 2015 Grenis, K.* and **S. M. Murphy**. Entomological Society of America, Annual Meeting: Minneapolis, MN.
- 2015 Cepero, L. C.* and **S. M. Murphy**. Entomological Society of America, Annual Meeting: Minneapolis, MN. (poster)
- 2015 Vidal, M. C.* and S. M. Murphy. High Country Lepidopterists' Society, Annual Meeting:

- Denver, CO.
- 2015 Grenis, K.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Denver, CO.
- 2015 Barnes, E.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Denver, CO.
- 2015 Cepero, L. C.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Denver, CO.
- 2015 Barnes, E.* and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2015 Grenis, K.* and **S. M. Murphy**. Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Annual Meeting: University of Colorado Mountain Research Station, CO.
- 2015 Barnes, E.* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Baltimore, MD. (poster)
- 2015 Hayes, M. E.**, G. M. Wimp, D. Lewis and S. M. Murphy. Ecological Society of America, Annual Meeting: Baltimore, MD. (poster)
- 2014 Grenis, K.* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Sacramento, CA.
- 2013 Kuras, E. R.**, **S. M. Murphy**, D. Lewis¹ and G. M. Wimp. Ecological Society of America, Annual Meeting: Minneapolis, MN.
 - **Winner of Best Presentation by an Undergraduate Student.
- 2012 Grenis, K.* and S. M. Murphy. High Country Lepidopterists' Society, Annual Meeting:
- 2012 Grenis, K.* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Portland, OR.
- 2012 Flansburg, A.**, K. J. Loewy* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Portland, OR. (poster)
- 2012 Kjeldgaard, M.**, K. J. Loewy* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Portland, OR. (poster)
- 2012 Loewy, K. J.* and **S. M. Murphy**. Ecological Society of America, Annual Meeting: Portland, OR.
- 2012 Grenis, K.* and **S. M. Murphy**. Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica: Denver, CO.
- 2012 Kjeldgaard, M.**, K. J. Loewy* and **S. M. Murphy**. Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica: Denver, CO.
- 2012 Loewy, K. J.* and **S. M. Murphy**. Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica: Denver, CO.
- 2012 Lill, J. T., T. M. Stoepler* and **S. M. Murphy**. Eastern Branch of the Entomological Society of America, Annual Meeting: Hartford, CT.
- 2011 Loewy, K. J.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.
- 2011 Grenis, K.* and **S. M. Murphy**. High Country Lepidopterists' Society, Annual Meeting: Boulder, CO.

SERVICE

Journal Editorial Board

- 2024- *Ecological Entomology*, Editor in Chief
- 2023–24 Ecological Entomology, Reviews Editor
- 2018- Environmental Entomology, Subject Editor
- 2014–23 Ecological Entomology, Associate Editor

Guest Editor

- 2022–23 *Ecology* Invited Editor for issue on COVID caregivers 2023
- 2019–21 Current Opinion in Insect Science Invited Editor for issue on Global Change 2021

2017-19 Frontiers in Ecology and Evolution - Special Research Topic "Arthropod Interactions and Responses to Disturbance in a Changing World"

America Arthrop Australi Basic ar Behavio Biologic Biologic BMC Eco Botany Current Ecologic Ecology Ecology Ecospho Environ Estuarie Etholog FACETS	Opinion in Insect Science Ohy cal Entomology Letters ere logia Experimentalis et Applicata mental Entomology es and Coasts y nal Ecology Change Biology	Insects Invertebrate Survival Journal Journal of Animal Ecology Journal of Applied Ecology Journal of Chemical Ecology Journal of Ecology Journal of Insect Behavior Journal of the Lepidopterists' Society Landscape Ecology Naturwissenschaften New Phytologist Oecologia Oikos Pan-Pacific Entomologist PLoS ONE Proceedings of the Royal Society B Scientific Reports Systematics and Biodiversity The Canadian Entomologist Trends in Ecology and Evolution Urban Ecosystems Wetlands Zoology
Society Ser 2020	<u>vice</u> EEB Mentor Match, mentor volunteer	
2019		s at the Entomological Society of America
2018-		lemorial Fund for Research on the Lepidoptera,
2017	Expert Reviewer for McGraw-Hill Pub	
2010 2008-15	2010 Expert Reviewer for Sinauer Associates Publishing 2008–15 Judge for Buell and Braun awards at the Ecological Society of America Annual Meetings: Milwaukee WI, Albuquerque NM, Portland OR, Sacramento CA, Baltimore MD	
Review of 2024	Proposals (>480 proposals reviewed) External Referee NSE Population and	Community Ecology
2023	External Referee, NSF Population and Community Ecology Panelist, NSF GRFP	
2022	External Referee, NSF Population and Community Ecology	
2022 2021	Panelist, NSF GRFP Panelist, NSF Population and Community Ecology	
2021	, , , , , , , , , , , , , , , , , , , ,	
2020	2020 External Referee, NSF Population and Community Ecology	
2020 2020	Panelist, University of Denver PROF 2020 Panelist, NSF Graduate Research Fellowship Program, Ecology	
2019	External Referee, NSF IOS	manip i rogiani, Ecology
2018- Ron Leuschner Memorial Fund for Research on the Lepidoptera, Lepidopterists'		

	Society
2017	External Referee, Netherlands Organization for Scientific Research (Dutch Research Council), Council for Earth and Life Sciences
2015	NSF, Georgia Coastal Ecosystems LTER site review, Sapelo Island, GA
2015	External Referee, Netherlands Organization for Scientific Research (Dutch Research Council), Council for Earth and Life Sciences
2015	Panelist, American Philosophical Society, Lewis and Clark Fund
2014	Panelist, University of Denver PROF
2014	External Referee, NSF Population and Community Ecology
2013	Panelist, NSF Population and Community Ecology
2012-13	Panelist, American Philosophical Society, Lewis and Clark Fund
2012	External Referee, California Sea Grant
2012	Panelist, NSF Population and Community Ecology
2011	External Referee, Graduate School for Production Ecology & Resource Conservation Wageningen University, the Netherlands
2011	External Referee, California Sea Grant
2010	Panelist, NSF Evolutionary Processes Cluster
2010	Panelist, NSF Doctoral Dissertation Improvement Grant (DDIG)
2010	Panelist, NSF East Asia & Pacific Summer Institutes (EAPSI) Program, Biological Sciences
2010	Panelist, Department of Defense Science, Mathematics & Research for
	Transformation (SMART) Scholarship Program, Biosciences
2009-10	External Referee for 4 NSF Panels: Ecology, Ecosystems, Evolutionary Processes and Long-Term Research in Environmental Biology
2009-10	Panelist, NSF Graduate Research Fellowship Program, Ecology (2 times)
2008	External Referee, Netherlands Organization for Scientific Research (Dutch Research Council), Council for Earth and Life Sciences
2002-04	Panelist, Andrew W. Mellon Fund, Cornell University
2002-04	Panelist, Kieckhefer Adirondack Fellowship, Cornell University
Departmen	tal and University Service
2022-	Faculty Mentoring Leaders Community of Practice
2022-	Biology By-laws working group
2021-	NSF ADVANCE grant to DU, DU Develop working group
2021-	Library Liaison Advisory Group
2017-	Chair of the Global Scholars Biology program with University of Western Australia
2016-	Chair of the Global Scholars Biology program with Lund University, Sweden
2015-	Moras and Erne Shubert Graduate Fellowship Fund Chair or Reviewer
2014-	Co-Director of Graduate Studies, Department of Biological Sciences, University of Denver
2011-	Graduate Committee, Department of Biological Sciences, University of Denver
2011-	Student recruitment (Fridays@DU, Pioneer Days)
2021–22	Promotion committee chair
2020	University of Denver Biophysical Society Student Chapter, invited speaker on Responsible Conduct in Research
2018-20	Chancellor's Community and Values Initiative
2018-20	Graduate Student Experience Committee
2018	University of Denver Library Pollinator Sustainability Panelist
2018	Botanical Bee Bonanza
2016	Co-Search Chair, Equity in STEM Postdoctoral Fellowship
2015-17	Co-Director of the University of Denver Greenhouse
2012-14	College of Natural Sciences and Mathematics, Graduate Council Representative
2010-12	Departmental Seminar coordinator

COMMUNITY OUTREACH

2016-	Co-Director of DU SciTech: A STEM summer camp each summer for 16 middle-school girls from underrepresented backgrounds held at the University of Denver; I am involved in all aspects of organizing, designing, and implementing the camp. Here is a video of the camp from 2023: https://www.youtube.com/watch?v=cyuf1gruZII
2023	Asbury Elementary, Denver Public Schools – Classroom presentation for ~60 1st grade students to enhance science curriculum on bee nesting habitat
2023	Asbury Elementary, Denver Public Schools – Demonstration for ~65 Kindergarteners to enhance science curriculum on trees
2023	Asbury Elementary, Denver Public Schools – Classroom presentation for ~65 Kindergarteners to enhance science curriculum on herbivore choice testing
2022	Downtown Denver Expeditionary School – Classroom presentation for ~40 Kindergarteners to enhance science curriculum on herbivore choice testing
2022	Asbury Elementary, Denver Public Schools – Classroom presentation for ~65 Kindergarteners to enhance science curriculum on herbivore choice testing
2021	Asbury Elementary, Denver Public Schools – Classroom presentation for ~60 2nd grade students to enhance science curriculum on pollination
2021	Asbury Elementary, Denver Public Schools - Virtual online learning activity for ~130 students to enhance science curriculum on spiders (COVID inspired at-home activity)
2020	Asbury Elementary, Denver Public Schools – Virtual online learning activity for ~130 Kindergarten and 1st grade students to enhance science curriculum on animal behavior (COVID inspired at-home activity)
2020	Asbury Elementary, Denver Public Schools – Classroom presentation for ~60 2nd grade students to enhance science curriculum on pollination
2019	Asbury Elementary, Denver Public Schools – Classroom presentation for ~67 Kindergarteners to enhance science curriculum on how trees defend themselves
2019	Asbury Elementary, Denver Public Schools – Classroom presentation for ~65 Kindergarteners to enhance science curriculum on herbivore choice testing
2018-22	Skype a Scientist
2015-18	RU SciTech Science and Technology Summer Camp for Girls, hosted by Regis
	University. Led activities and workshops for 16 girls for 2 days of the camp.
2016	Bella Romero Science Club, Greeley Colorado. Helped the Bella Romero Science Club with their guppy science experiments.
2015	Conference Chair, Annual Meeting of the High Country Lepidopterists Society. I organized the 26th Annual Meeting, hosted by the University of Denver. Participants included members of the general public as well as academics from the University of Colorado, Colorado State University, Metro State University, the Air Force Academy, the Butterfly Pavilion and the Denver Museum of Nature and Science.
2015	Girls Exploring Science, Technology, Engineering & Math (GESTEM) volunteer.
2014	Asbury Elementary, Denver Public Schools – Classroom presentation for ~25 4th graders to enhance science curriculum on predator-prey interactions
2013	National Science Foundation, Research Experience for Teachers. Two elementary school teachers from Denver Public Schools worked in my lab for 3 months to learn more about how scientists conduct biological research.
2013	DU Day of Action – Munroe Elementary School Visit to the University of Denver, workshop leader.
2012	Classroom presentations for >100 1st graders to enhance science curriculum on insect life cycles at Tollgate Elementary School, part of Aurora Public Schools, Colorado.
2012	College Aspirations Readiness & Empowerment (CARE) for Black Adolescent Girls

- workshop leader. Sponsored by Denver Public Good Grant, University of Denver and Cherry Creek Public School System.
- 2011-12 Denver Public Schools/University of Denver Urban Partnership for Improving Elementary Science. Taught short courses on Ecology to elementary grade teachers from the Denver Public Schools. This summer institute provides elementary school teachers with the science content that they need to successfully implement an inquiry-based science curriculum in their classrooms.
- 2008-09 Classroom presentations for >500 2nd graders to enhance science curriculum on insect life cycles at Rosemary Hills Elementary, Garrett Park Elementary and Forest Knolls Elementary, part of Montgomery County Public Schools, Maryland

PROFESSIONAL SOCIETIES

Executive Council At-Large Member

2016–19 Lepidopterists' Society (international society, elected position)

Society Member

American Association for the Advancement of Science American Association of University Women Colorado Native Plant Society Ecological Society of America Entomological Society of America Lepidopterists' Society Sigma Xi Southwestern Association of Naturalists

RESEARCH HIGHLIGHTED IN TEXTBOOKS

Ecology: Concepts and Applications, 8th Edition by Molles and Sher (2018) Murphy et al. 2010, Stoepler et al. 2011, and Murphy et al. 2014 (pp. 282-283)

Insect Ecology: Behavior, Populations and Communities, by Price et al. (2011) Murphy 2004, Murphy and Feeny 2006 (p. 170)

MEDIA

- 2023 Garden Futurist podcast by Pacific Horticulture,
 https://pacifichorticulture.org/articles/hit-the-lights-the-impacts-of-artificial-light-on-ecosystems-with-garden-futurist-shannon-murphy/
- 2022 Discover Magazine, https://www.discovermagazine.com/the-sciences/how-to-become-a-scientist
- Scientific American, research featured in "Invasive cheatgrass spreads under city lights" https://www.scientificamerican.com/article/invasive-cheatgrass-spreads-under-city-lights/?fbclid=lwAR1DKqDJWVEXx8F-LdG6Dzb18-7KTJvYt91QOhLAqlTYsojqjHYGSR9Cji0

- Science News for Kids, research featured in "Cheatgrass thrives on the well-lit urban night scene" https://www.scientificamerican.com/article/invasive-cheatgrass-spreads-under-city-lights/?fbclid=lwAR1DKqDJWVEXx8F-LdG6Dzb18-7KTJvYt91QOhLAglTYsojqjHYGSR9Cji0
- Frontiers in Ecology and the Environment, research featured in "City streetlights boost incidence of invasive grass" https://www.scientificamerican.com/article/invasive-cheatgrass-spreads-under-city-lights/?fbclid=lwAR1DKqDJWVEXx8F-LdG6Dzb18-7KTJvYt91QOhLAglTYsojqjHYGSR9Cji0
- Denver ABC 7, The Denver Channel. Featured expert in "Wolf spiders are popping up in Neighborhoods around the Denver metro area."

 https://www.thedenverchannel.com/news/local-news/wolf-spiders-are-popping-up-in-neighborhoods-around-the-denver-metro-area

FIELD EXPERIENCE

United States: Alaska, Colorado, Delaware, District of Columbia, Florida, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Rhode Island, Virginia, Washington

International: Australia, Canada (British Columbia, Yukon Territory), Costa Rica, Panama

Languages	
English (native), French (proficient)	