# *Curriculum Vitae*


## John T. Lill

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## EDUCATION

8/93-1/99 Ph.D. in Ecology, Evolution and Systematics
University of Missouri-St. Louis. Advisor: Robert J. Marquis

8/90-12/92 M.S. in Sustainable Development and Conservation Biology
University of Maryland, College Park

8/86-5/90 B.S. in Biological Science
University of Maryland, College Park
Graduated *Magna Cum Laude* and with High Honors

## ACADEMIC EXPERIENCE

6/18-present THE GEORGE WASHINGTON UNIVERSITY, Washington, DC.
**Professor, Department of Biological Sciences**

6/18-6/21 THE GEORGE WASHINGTON UNIVERSITY, Washington, DC.
**Department Chair**

5/08-present THE GEORGE WASHINGTON UNIVERSITY, Washington, DC.
**Associate Professor, Department of Biological Sciences**

8/02-5/08 THE GEORGE WASHINGTON UNIVERSITY, Washington, DC.
**Assistant Professor, Department of Biological Sciences**

6/07-present UNIVERSITY OF MARYLAND, College Park, MD.
**Adjunct Professor, Department of Entomology** (honorary appointment)

5/09- present NATIONAL MUSEUM OF NATURAL HISTORY, Washington, DC.
**Research Associate, Department of Entomology**

8/01-8/02 WASHINGTON UNIVERSITY, St. Louis, MO.
**Postdoctoral Teaching Fellow, Tyson Research Center**

1/99-8/01 UNIVERSITY OF MISSOURI, St. Louis, MO.
**Postdoctoral Associate**

# PUBLICATIONS

*PEER-REVIEWED JOURNAL ARTICLES*

56. Ficarotta, R., J. Marquéz, and **J. T. Lill**. 2025. Sublethal effects of experimental warming on host-parasitoid interactions remain consistent across host plants. *Entomologia Experimentalis et Applicata* 173: 951-961. †

55. Tang, C.-T., Y.-S. Liang, C. Mapes, **J. T. Lill**, B. Liu, S. Clark, C.-X. Liu, M. W. Gates, and M. L. Buffington. 2024. DNA barcoding of the Chestnut gallwasp. *Dryocosmus kuriphilus* Yasumatsu (Hymenoptera: Cynipoidea) in the Eastern United States. *Pan-Pacific Entomologist* 100:289-300..

54. Getman-Pickering, Z. L., G. J. Soltis*, S. Shamash*, D. S. Gruner, M. R. Weiss and **J. T. Lill**. 2023. Periodical cicadas disrupt trophic dynamics thought community-level shifts in avian foraging. *Science* 382: 320-324. †

53. Spahn, R., and **J. T. Lill**. 2022. Higher temperatures reduce the efficacy of a key biocontrol parasitoid. *Biological Control* 176: 105079.

52. Brackley, A., **J T. Lil**l, and M. R. Weiss. 2022. Ecological predictors of pupal survival in a common North American butterfly. *Environmental Entomology* 51: 1030-1039.

51. Block*, C., M. R. Weiss, E. Lind, and **J. T. Lill**. 2022. Diet and ontogeny affect anti-predator behavior and predation risk in insect herbivores. *Ecological Entomology* (in revision).

50. Brackley, A., **J. T. Lill**, and M. R. Weiss. 2021. Adaptive ontogenetic shifts in larval responses to environmental cues. *Entomologia Experimentalis et Applicata* 169: 1147-1156.

49. Oppenheimer*, R. L., and **J. T. Lill**. 2021. A Plant-bee visitation network for Plummers Island, MD. *Proceedings of the Washington Entomological Society* 123: 365-381.

48. **Lill, J. T.**, M. R. Weiss, C. Block*, and R. R. Kula. 2021. Larval parasitism of the silver spotted skipper, *Epargyerus clarus* (Cramer) (Lepidoptera: Hesperiidae). *Proceedings of the Washington Entomological Society* 123: 120-135.

47. Vidal, M., **J. T. Lill**, R. J. Marquis, and S. M. Murphy. 2020. Geographic variation in performance of a widespread generalist insect herbivore. *Ecological Entomology* 45: 617-625.

46. Abarca, M., **J. T. Lill**, and M. R. Weiss. 2020. Host plant and thermal stress induce supernumerary instars in caterpillars. *Environmental Entomology* 49: 123-131.

45. Marquis, R. J., **J. T. Lill**, R. E. Forkner, J. Le Corff, J. M. Landosky, and J. B. Whitfield. 2019. Declines and resilience of communities of leaf chewing insects on Missouri oaks following spring frost and summer drought. *Frontiers in Ecology and Evolution* doi: 10.3389/fevo.2019.00396

44. Abarca, M. and **J. T. Lill**. 2019. Latitudinal variation in the phenological responses of eastern tent caterpillars and their egg parasitoids. *Ecological Entomology* 44: 50-61.

43. Abarca, M., E. A. Larsen, **J. T. Lill**, M. Weiss, E. Lind, and L. Ries. 2018. Inclusion of host quality data improves predictions of herbivore phenology. *Entomologia Experimentalis et Applicata* 166: 648-660.

42. Abarca, M., **J. T. Lill**, and P. Frank-Bolton. 2018. Latitudinal variation in responses of a forest herbivore and its egg parasitoids to experimental warming. *Oecologia*: 186: 869–881.

41. Rosenwald*., L., **J. T. Lill**, E. Lind, and M. Weiss. 2017. Dynamics of host plant selection and host-switching by silver-spotted skipper caterpillars. *Arthropod-Plant Interactions*: 11: 833-842.

40. Abarca, M. and **J. T. Lill**. 2015. Warming affects hatching time and early season survival of eastern tent caterpillars. *Oecologia* 179: 901-912.

39. Forister, M. L., Novotny, V., Panorska, A. K., Baje, L., Basset, Y., Butterill, P. T., Cizek, L., Coley, P. D., Dem, F., Diniz, I. R., Drozd, P., Fox, M., Glassmire, A., Hazen, R., Hrcek, J., Jahner, J. P., Kama, O., Kozubowski, T. J., Kursar, T. A., Lewis, O. T., **Lill, J**., Marquis, R. J., Miller, S. E., Morais, H. C., Murakami, M., Nickel, H., Pardikes, N., Ricklefs, R. E., Singer, M. S., Smilanich, A. M., Stireman, J. O., Villamarín-Cortez, S., Vodka, S., Volf, M., Wagner, D. L., Walla, T., Weiblen, G. D., and L. A. Dyer. 2015. The global distribution of diet breadth in insect herbivores. *Proceedings of the National Academy of Sciences* 112: 442-447.

38. Murphy, S. M., **J. T. Lill**, M. D. Bowers, and M. S. Singer. 2014. Enemy-free space for parasitoids. *Environmental Entomology* 43: 1465-1474.

37. 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. *Environmental Entomology* 43: 1561-1573.

36. Fiorentino, V.*, S. M. Murphy, T. M. Stoepler, and **J. T. Lill**. 2014. Facilitative effects of group-feeding on performance of the saddleback caterpillar (Lepdioptera: Limacodidae). *Environmental Entomology* 43: 131-138.

35. Murphy, S. M., T. M. Stoepler, K. Grenis*, and **J. T. Lill**. 2014. Host ontogeny determines parasitoid use of a forest caterpillar. *Entomologia Experimentalis et Applicata* 150: 217-225.

34. Stoepler, T. M., J. Castillo, **J. T. Lill** and I. Eleftherianos. 2013. Hemocyte density increases with developmental stage in an immune-challenged forest caterpillar. *PloS One* 8: e70978

33. Stoepler, T. M. and J. T. Lill. 2013. Direct and indirect effects of light environment generate ecological trade-offs in herbivore performance and parasitism. *Ecology* 94: 2299-2310.

32. Sigmon, E., and **J. T. Lill**. 2013. Phenological variation in the composition of a temperate forest leaf tie community. *Environmental Entomology* 42: 29-47.

31. Gates, M. W., **J. T. Lill**, R. R. Kula, J. E. O'Hara, D. R. Smith, J. B. Whitfield, S. M. Murphy, T. M. Stoepler, and M. E. Epstein. 2012. Review of parasitoid wasps and flies (Hymenoptera, Diptera) associated with Limacodidae (Lepidoptera) in North America, with a key to genera. *Proceedings of the Washington Entomological Society* 114: 24-110.

30. Stoepler, T. M., J. C. Castillo, **J. T. Lill**, and I. Eleftherianos. 2012. A simple protocol for extracting hemocytes from forest caterpillars. *Journal of Visualized Experiments*: 69: e4173, doi:10.3791/4173.

29. Forister, M. L., L. A. Dyer, M. S. Singer, J. O. Stireman, and **J. T. Lill**. 2012. Progress and perspectives in the study of ecological specialization, with emphasis on insect-plant interactions. *Ecology* 93: 981-991.

28. Stoepler, T. M., **J. T. Lill**, and S. M. Murphy. 2011. Cascading effects of host size and host plant species on parasitoid resource allocation. *Ecological Entomology* 36: 724-735.

27. Mason, P. A., S. R. Wilkes, **J. T. Lill**, and M. S. Singer. 2011. Abundance trumps quality: bi-trophic performance and parasitism risk fail to explain host use in the fall webworm (*Hyphantria cunea,* Arctiidae) *Oikos* 120: 1509-1518.

26. Murphy, S. M., **J. T. Lill**, and M. E. Epstein. 2011. Natural History of Limacodid Moths (Zygaenoidea) in the Environs of Washington, D.C. *Journal of the Lepidopterists' Society* 65: 137-150.

25. Murphy, S. M., and **J. T. Lill**. 2010. Winter predation of diapausing cocoons of slug caterpillars (Lepidoptera: Limacodidae). *Environmental Entomology* 39: 1893-1902.

24. Kula, R. R., **J. T. Lill**, S. M. Murphy, and T. Stoepler. 2010. The first host records for the nearctic species *Triraphis discoideus* (Hymeonptera: Braconidae: Rogadinae). *Entomological News* 120: 380-386.

23. Marquis, R. J., and **J. T. Lill**. 2010. Impact of plant architecture versus leaf quality on attack by leaftying caterpillars on five oak species. *Oecologia* 163: 203-213.

22. Murphy, S. M., S. Leahy*, L. Williams*, and **J. T. Lill**. 2010. Stinging spines protect slug caterpillars (Limacodidae) from multiple generalist predators. *Behavioral Ecology* 21: 153-160.

21. Murphy, S. M., **J. T. Lill**, and D. Smith. 2009. A scattershot approach to host location: uncovering the unique life history of the Trigonalyid hyperparasitoid *Orthogonalys pulchella* Cresson. *American Entomologist* 55: 82-87.

20. Forkner, R. E., R. J. Marquis, **J. T. Lill**, and J. Le Corff. 2008. Timing is everything? Phenological synchrony and population variability in leaf-chewing herbivores of *Quercus*. *Ecological Entomology* 33: 276-285.

19. **Lill, J. T.** 2008. Caterpillar-host plant relationships recorded from Plummers Island. *Proceedings of the Biological Society of Washington* 15: 77-81.

18. Dyer, L. A. M.S. Singer, **J.T. Lill**, J.O. Stireman III, G.L. Gentry, R.J. Marquis, R.E. Ricklefs, H.F. Greeney, D.L. Wagner, H.C. Morais, I.R. Diniz, T.A. Kursar, and P.D. Coley. 2007. Host specificity of Lepidoptera in tropical and temperate forests. *Nature* 448: 696-699.

17. **Lill, J. T.**, R. J. Marquis, M. A. Walker*, and L. Peterson*. 2007. Ecological consequences of shelter sharing by leaf-tying caterpillars. *Entomologia Experimentalis et Applicata* 45-53.

16. **Lill, J. T.**, R. J. Marquis, R. E. Forkner, J. Le Corff, N. Holmberg, and N. Barber. 2006. Leaf pubescence affects distribution and abundance of generalist slug caterpillars (Lepidoptera: Limacodidae). *Environmental Entomology* 35: 797-806.

15. Forkner, R. E., R. J. Marquis, **J. T. Lill**, and J. Le Corff. 2006. Impacts of alternative timber harvest practices on leaf-chewing herbivores of oak. *Conservation Biology* 20: 429-440.

14. Stireman, J. O., L. A. Dyer, D. H. Janzen, M. S. Singer, **J. T. Lill**, R. J. Marquis, R. E. Ricklefs, G. L. Gentry, W. Hallwachs, P. D. Coley, J. A. Barone, H. F. Greeney, H. Connahs, P. Barbosa, H. C. Morais, and I. R. Diniz. 2005. Climatic unpredictability and parasitism of caterpillars: implications of global warming. *Proceedings of the National Academy of Sciences* 102: 17384-17387.

13. **Lill, J. T.**, and R. J. Marquis. 2004. Leaf ties as colonization sites for forest arthropods: an experimental study. *Ecological Entomology* 29: 1-9.

12. Forkner, R. E., R. J. Marquis, and **J. T. Lill**. 2004. Feeny revisited: Condensed tannins as anti-herbivore defenses in leaf-chewing herbivore communities of *Quercus. Ecological Entomology* 29: 174-187.

11. **Lill, J. T.** 2004. Seasonal dynamics of leaf-tying caterpillars on white oak. *Journal of the Lepidopterists' Society* 58: 1-6.

10. **Lill, J. T.**, and R. J. Marquis. 2003. Ecosystem engineering by caterpillars increases insect herbivore diversity on white oak. *Ecology* 84: 682-690.

9. Marquis, R. J., **J. T. Lill**, and A. Piccinni. 2002. Effect of plant architecture on colonization and damage by leaf-tying caterpillars of *Quercus alba*. *Oikos* 99: 531-537.

8. **Lill, J. T.**, R. J. Marquis, and R. E. Ricklefs. 2002. Host plants influence parasitism of forest caterpillars. *Nature* 417: 170-173.

7. **Lill, J. T.** 2001. Selection on herbivore life history traits by the first and third trophic levels: the devil and the deep blue sea revisited. *Evolution* 55: 2236-2247.

6. **Lill, J. T**., and R. J. Marquis. 2001. The effects of leaf quality on herbivore performance and attack from natural enemies. *Oecologia* 126: 418-428.

5. Graham, W. K., V. L. Sork, R. Marquis, R. Renken, R. Clawson, J. Faaborg, D. Fantz, J. Le Corff, **J. T. Lill**, and P. Poreneluzi. 2001. Evaluating the effects of ecosystem management: a case study in a Missouri Ozark forest. *Ecological Applications* 11: 1667-1679.

4. **Lill, J. T.** 1999. Structure and dynamics of a parasitoid community attacking larvae of *Psilocorsis quercicella* (Lepidoptera: Oecophoridae). *Environmental Entomology* 28: 1114-1123.

3. Gagné, R. J., and **J. T. Lill**. 1999. A new nearctic species of *Lestodiplosis* (Diptera: Cecidomyiidae) preying on an oak leaf tier, *Psilocorsis quercicella* (Lepidoptera: Oecophoridae). *Proceedings of the Entomological Society of Washington* 101: 332-336.

2. **Lill, J. T.** 1998. Density-dependent parasitism of the hackberry nipplegall maker (Homoptera: Psyllidae): a multi-scale analysis. *Environmental Entomology* 27: 657-661.

1. Auclair, A. N. D., **J. T. Lill**, and C. Revenga. 1996. The role of climate variability and global warming in the dieback of northern hardwoods. *Water, Air and Soil Pollution* 91: 163-186.

* denotes undergraduate author; † featured cover article

*PEER-REVIEWED BOOK CHAPTERS*

Marquis, R. J., **J. T. Lill**, C. Baer, and G. Wang. 2021. The impact of construct building by caterpillars on arthropod colonists in a world of climate change. Pp. 509-537 in: Marquis, R. J., and S. Kopter (eds.), Caterpillars in the Middle: Tritrophic Interactions in a Changing World. Springer.

**Lill, J. T.**, and M. R. Weiss. 2021. Host plants as mediators of caterpillar-natural enemy interactions. Pp. 425-447 in: Marquis, R. J., and S. Kopter (eds.), Caterpillars in the Middle: Tritrophic Interactions in a Changing World. Springer.

**Lill, J. T.**, and R. J. Marquis. 2007. Microhabitat manipulation: ecosystem engineering by shelter-building insects. Pp. 107-138 in: Cuddington, K. M. D., Byers, J. E., A. Hastings, and W. G. Wilson (eds.), Ecosystem Engineers: Plant to Protists, Elsevier.

Marquis, R. J., and **J. T. Lill**. 2007. Effects of herbivores as physical ecosystem engineers on plant-based trophic interaction webs. Pp. 246-274 in: Ogushi, T., T. Craig, and P. Price (eds.), *Indirect Interaction Webs: Non-trophic Linkages though Induced Plant Traits*, Cambridge University Press.

*PEER-REVIEWED CONFERENCE PROCEEDINGS*

Marquis, R. J., R. Forkner, **J. T. Lill**, and J. Le Corff. 2002. Impact of timber harvest on species accumulation curves for oak herbivore communities in the Missouri Ozarks. Pp. 184-196 in *Proceedings of the Second Missouri Ozark Forest Ecosystem Project Symposium: Post-treatment results of the landscape experiment* (S. R. Shifley and J. M. Kabrick, Eds.). UDSA Forest Service, North Central Research Station, Gen. Tech. Rep. NC-227, St. Paul, Minnesota.

*BOOKS*

Marquis, R. J., S. Passoa, **J. T. Lill,** J. B.Whitfield, J. Le Corff, R. E. Forkner, and V. A. Passoa. 2019. An Illustrated Field Guide to the Immature Lepidopteran Fauna on Oaks of Missouri. FHAAST-2018-05. Morgantown, WV: U.S. Department of Agriculture, Forest Service, Forest Health Assessment and Applied Sciences Team. 369 pp.

*JOURNAL ARTICLES SUBMITTED AND IN MANUSCRIPT*

Weiss, M. R., S. Menke, P. Frank-Bolton, M. Abarca, and **J. T. Lill**. Emergent periodical cicada nymphs use skototaxis to navigate to trees. *American Naturalist* (in press).

Thexton, B. J., **J. T. Lill**, and M. R. Weiss. Assessing the integration of an invasive plant into native arthropod trophic webs. *Biological Invasions* (in press).

Tang, C.-T., J. Nicholls, G. Melika, M. Buffington, M.W. Gates, **J. T. Lill**, C.C. Mapes, M-M. Yang, A. Yoshihisa, and G.N. Stone. Confirmation, consequences and causes of extensive polyphyly in the oak gall wasp genus *Dryocosmus* (Hymenoptera: Cynipidae: Cynipni). *Insect Systematics and Diversity* (in review).

Tang, C.-T., J. A. Nicholls, G. Melika, M. L. Buffington, M.W. Gates, **J. T. Lill**, M-M. Yang, and G. N. Stone. Death of a trashcan genus? Phylogenetic reassessment of the oak gall wasp genus *Dryocosmus* (Hymenoptera: Cynipidae: Cynipini). *Insect Systematics and Diversity* (in review).

Weiss, M. R., **J. T. Lill**, L. Peterson, L.*, and A. Gibson*. Ecological tradeoffs in host-use by the silver-spotted skipper, *Erynnis juvenalis*. *Oecologia* (in manuscript)

## RESEARCH GRANTS

*FUNDED AWARDS AT GWU*

NSF-DEB Ecology panel (2025-2028) ($690,000 total award, GWU portion: $156,000) 3-Year Award. PIs Lill (GWU), Weiss (Georgetown), and Menke (Lake Forest College)
GWU-University Facilitating Fund (2024-2025) ($17,480)
CDFA/USDA-APHIS (2021-2024) (PI M. Epstein, sub-award to GWU) ($18,000)
Georgetown Earth Commons Grant (2022-2024) (PI M. Weiss, Co-PIs J. Lill and G. Allington) ($30,000)

GWU-University Facilitating Fund (2021-2022) ($16,000)
Washington Biologists' Field Club Award (2020) ($3,300) (co-PI M. Weiss)
USDA-Forest Service (2018-2020) ($250,000 total award, GWU portion: $140,000) 2-year award. PI M. Buffington (USDA-SEL), co-PI M. Gates (USDA-SEL) and J. Lill. Collaborative proposal involving mentoring an international postdoc.
Georgetown Environment Initiative Impact Grant (2017-2019) ($11,000) joint proposal with M. R. Weiss (Georgetown University).
NSF-DEB Ecology panel (2013-2018) ($475,000 total award, GWU portion: $172,787) 4-Year award PIs Lill (GWU), Weiss (Georgetown), Lind (U. Minnesota)
GWU-SI Opportunity Fund Research Grant (2013-2014) ($49,701) (PIs, Lill, Erickson, Kress, Brady, Garcia-Robledo)
GWU University Facilitating Fund (2012-2013) ($19,987)
Washington Biologists' Field Club (2012) (PIs Lill, Erickson, Kress, and Garcia-Robledo) ($3,000)
NSF-DDIG Ecology panel (2012) ($15,000) (Elisha Sigmon, co-PI)
GWU Columbian College Facilitating Fund (2010) ($7,500)
NSF-REU Ecology Panel (2010) ($9,800) One-year supplement to support undergraduate research
NSF-RAHHS Ecology panel (2009) ($3,683) 1-Year supplement to support high school student research
NSF-REU Ecology panel (2009) ($8,700) 1-Year supplement to support undergraduate research
NSF-RET Ecology panel (2008) ($6,950) 1-Year supplement to support a K-12 teacher-researcher
NSF-REU Ecology panel (2008) ($7,000) 1-Year supplement to support undergraduate research
NSF-DEB Ecology panel (2007-2011) ($416,534) 4-Year award (PI Lill)
GWU Selective Excellence Award (2007-2009) ($175,800) (PIs, Allard, Burns Church, Clark, Herendeen, Hernandez, Hormiga, Lill, Smith).
Washington Biologists' Field Club Award (2006) ($1,310) Co-PI
Washington Biologists' Field Club Award (2005) ($2,200)
GWU Junior Scholar Incentive Award (2005) ($5,496)
GWU University Facilitating Fund (2005) ($5,501)
GWU Research Enhancement Fund (2005-2007) ($150,000) (PIs Lipscomb, Allard, Burns Church, Clark, Herendeen, Hernandez, Hormiga, Lill, Smith).
GWU Junior Scholar Incentive Award (2004) ($7500)
ORAU Ralph E. Powe Junior Faculty Enhancement Award (2003) ($10,000)
GWU University Facilitating Fund (2003) ($5,000)
GWU Junior Scholar Incentive Award (2003) ($7,500)

*FUNDED AWARDS PRIOR TO GWU*
NSF Doctoral Dissertation Improvement Award, 1997 ($8,000)
TWA Environmental Science Scholarship, 1996 ($6,000)
Webster Groves Nature Study Society Award, 1995 ($800)
Sigma Xi Grant-in-Aid to Research, 1994, 1995 ($450, $550)

*DECLINED AWARDS*
NSF Ecology Panel, Full Proposal (2021) ($412,123) 3-year collaborative award (PIs Lill and Weiss)
NSF Ecology Panel, Preliminary Proposal (2016) (PI Lill, co-PI R. Kula)
USDA-NIFA-AFRI Grant, H. Dalgleish PI (2015) ($366,362) J. Lill, Co-PI
NSF-DEB Ecology Panel, Invited Full Proposal (2012) ($536,329) (PIs Lill and Parker)
GWU-SI Seed Grant Competition (2011) ($50,000)
NSF-DEB Ecology Panel (2011) ($150,260) 3-year collaborative award (PIs Lill and Weiss).

NSF-DEB Ecology Panel, 2011 ($15,000) Doctoral Dissertation Improvement Award (co-PI Stoepler)
NSF-DEB Ecology Panel, 2011 ($15,000) Doctoral Dissertation Improvement Award (co-PI Sigmon)
NSF-DEB Evolutionary Ecology panel, 2010 ($103,261) 3-year collaborative award
NSF-DEB Ecology Panel, 2010 ($15,432) Doctoral Dissertation Improvement Award (co-PI Stoepler)
NCEAS working group, 2009 (Co-PI) ($75,100)
NSF-DEB Ecology panel, 2008 Collaborative proposal (Lill is lead PI) ($200,149)
NSF-DEB Population Dynamics panel, 2007 ($112,863)
(panel recommended funding; program declined due to insufficient funds)
NSF-DEB Ecology panel, 2006 ($275,340)
USDA-NRI Arthropod Biology Panel, 2006 ($198,000)
NSF-DEB Ecology panel, 2005 ($369,650)
NSF-DEB Ecology panel, 2005 ($350,000)
NSF-DEB Ecology panel, 2004 ($275,000)

## RESEARCH PRESENTATIONS

### *CONFERENCES*

Micheels, L. and **J. T. Lill**. 2025. *Annual Meeting of the Lepidopterists' Society*, Sierra Vista, Arizona. "One way, but not another: Hybridization and reproductive isolation in two species of *Euclea* (Lepidoptera: Limacodidae)."

Ben-Dor*, Y., L. Zhang, and **J. T. Lill**. 2025. *Annual Meeting of the Lepidopterists' Society*, Sierra Vista, Arizona. "Evidence for host-associated differentiation in the oak dagger moth (Noctuidae: *Acronicta increta*)." (won best student poster at the conference)

Lederer, E., M. R. Weiss, and **J. T. Lill**. 2025. *Annual Meeting of the Ecological Society of America*, Baltimore, Maryland. "Plant architecture as a structural driver of community assembly in lepidopteran-built leaf shelters."

Zakroff, A. and **J. T. Lill**. 2025. *Annual Meeting of the Ecological Society of America*, Baltimore, Maryland. "You must be this tall to ride: an ant-associated butterfly is tended by large ants."

Lederer, E., **J. T. Lill**, and M. R. Weiss. 2025. *Gordon Research Conference on Plant-Herbivore Interactions*, Pomona, California. "If you build it they will come: determinants of community assembly in lepidopteran-built leaf shelters."

Zakroff, A. **and J. T. Lill**. 2025. *Gordon Research Conference on Plant-Herbivore Interactions*, Pomona, California. "A study in azure: a myrmecophilous butterfly and its ant mutualists."

Weiss, M. R., S. Menke, P. Frank-Boton, M. Abarca, and **J. T. Lill.** 2025. *Gordon Research Conference on Plant-Herbivore Interactions*, Pomona, California. "Cicada nymphs use skototaxis to navigate to trees above ground."

**Lill, J. T**., M. R. Weiss, S. Menke, and C. Saban*. 2025. *Gordon Research Conference on Plant-Herbivore Interactions*, Pomona, California. "Impacts of a periodical cicada emergence on dynamics of forest ants."

Weiss, M.R., **J. Lill**, and S. Menke. 2024. *XXVII International Congress of Entomology*. Kyoto, Japan. "Do periodical cicadas emergences alter ant-mediated ecosystem services?"

**Lill, J.T**., M. R. Weiss, Z. Getman-Pickering, R. Ficarrotta, D. Gruner, S. Shamash*, and G. Soltis. 2024. *XXVII International Congress of Entomology*. Kyoto, Japan. "Apparent facilitation disrupts biological control by avian insectivores during an insect biomass pulse."

Lederer, E., M. R. Weiss, and **J. T. Lill**. 2023. *Annual Meeting of the Entomological Society of America*. National Harbor, Maryland. "Leaf ties assemble diverse arthropod communities."

Weiss, M., **J. Lill**, D. Lill, Z. Getman-Pickering, S. Shamash*, D. Cramer, E. Lederer, B. Thexton, E. Nirenblatt*, and G. Allington. 2023. *Gordon Research Conference on Plant-Herbivore Interaction*s, Ventura, California. "Cicada-palooza! Miscellany from the Brood X emergence of 2021."

Spahn, R., and **J. Lill.** 2023. *Gordon Research Conference on Plant-Herbivore Interactions*, Ventura, California. "Scale of temporal aggregation of interaction networks influences network structure."

Getman-Pickering, Z., G. Soltis*, S. Shamash*, D. Gruner, M. Weiss, and **J. Lill**. 2023. *Gordon Research Conference on Plant-Herbivore Interactions*, Ventura, California. "Periodical cicada emergence disrupts trophic cascade via community-level shifts in avian foraging."

Jayd, K., Z. Getman-Pickering, **J. Lill**, M. Weiss, J. Parker, S. Shamash*, and K. Burghardt. 2022. *Annual Meeting of the Entomological Society of America*. Vancouver, Canada. "A good neighborhood to raise a brood: tree species diversity decreases oviposition and tree damage." (graduate poster)

Shamash, S.*, and **J. Lill.** 2022. *Annual Meeting of the Entomological Society of America*. Vancouver, Canada. "Effects of plant architecture on leaf tier community assembly and overall arthropod diversity." (undergraduate poster)

**Lill, J.**, R. Spahn, and S. Murphy. 2022. *Annual Meeting of the Entomological Society of America*. Vancouver, Canada. "Adaptations to hyperparasitism: reviewing the evidence for evolutionary impacts of the 4$^{th}$ trophic level on primary parasitoids."

Sphan, R., and **J. Lill**. 2022. *Annual Meeting of the Entomological Society of America*. Vancouver, Canada. "Zombie caterpillar bodyguards as protectors of primary parasitoid cocoons against hyperparasitism."

**Lill, J.**, Z. Getman-Pickering, S. Shamash*, and M. Wiess. 2022. *Annual Meeting of the Ecological Society of America.* Montreal, Canada. "Cascading effects of an ecological pulse: indirect effects of the 2021 Brood X cicada emergence on an eastern temperate forest."

Brackley, A., **J. Lill**, and M. Weiss. 2022. *Annual Meeting of the Ecological Society of America.* Montreal, Canada. "Ecological predictors of pupal survival in a common North American butterfly."

Weiss, M., A. Brackley, and **J. Lill**. 2021. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "Seasonal differences in pupal survival of a common North American butterfly."

Shamash, S.*, **J. Lill**, Z. Getman-Pickering, and M. Weiss. 2021. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "Cascading Effects of Brood X: Changing Trophic Dynamics due to the Periodical Cicada Emergence." (won best virtual undergraduate poster)

Soltis, G.*, Z. Getman-Pickering, M. Weiss, **J. Lill**, and D. Gruner. 2021. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "The 17-year Brood X Bird Feast."

Spahn, R., **J. Lill**, and I. Eleftherianos. 2021. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "Temperature effects on a caterpillar host immune response to parasitism."

Getman-Pickering, Z., **J. Lill**, M. Weiss, S. Shamash*, G. Soltis*. 2021. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "Cascading effects of an ecological pulse: Indirect effects of periodical cicadas."

**Lill, J. T.**, M. R. Weiss and D. Lill. 2021. *Annual Meeting of the Maryland Association of Environmental and Outdoor Education*. Online Conference. "Appreciating the wonder of periodical cicadas: a rare opportunity for an educational entomological extravaganza."

**Lill, J. T.**, E. Sigmon, and R. J. Marquis. 2021. *International Conference on Biological Control*, Davos, Switzerland. "Evidence for both facilitation and interference competition within a guild of insect herbivores in a natural forest system."

Spahn, R., and **J. Lill**. 2020. *Annual Meeting of the Ecological Society of America.* Online Conference. "The effectiveness of the larval parasitoid *Diadegma insulare* (Hymenoptera: Ichneumonidae) on *Plutella xylostella* (Lepidoptera: Plutellidae) under increasing temperature regimes."

Weiss, M., M. Kahn, D. Guydish, S. Sokolosky, S. Torresen, A. Figel, M. Wallace, and **J. Lill**. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "Plant physical defenses affect establishment of silver-spotted skipper hatchlings."

**Lill, J**., M. Weiss, and E. Lind. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "Role of host plants in mediating caterpillar-natural enemy interactions."

Marquis, R., **J. Lill**, C. Baer, L. Catano, Z. Khaja, D. O'Brien, and C. Ernst. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "Shelter-building Lepidoptera in Missouri (USA) oak-hickory forests structure arthropod communities on oaks."

Spahn, R., and **J. Lill**. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "The effect of climate change on the relationship between agricultural pests and their parasitoids."

Tang, C-T., M. Buffington, M. Gates, **J. Lill**, J. Nicholls, G. Melika, M.-M. Yang, C. Mapes, and G. Stone. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "Phylogeny and systematics of the trash can oak gallwasp genus *Dryocosmus* (Hymenoptera: Cynipidae: Cynipni) galling on multiple host-plants."

Nell, C., R. Marquis, R. Ricklefs, J. Stireman, R. Kula, and **J. Lill**. 2019. *Annual Meeting of the Entomological Society of America*. St. Louis, Missouri. "Angiosperms vs. gymnosperms: the influence of host plants on herbivore-parasitoid community structure."

Nell, C., R. J. Marquis, R. E. Ricklefs, J. O. Stireman III, and **J. T. Lill**. 2019. *Gordon Conference on Plant-Herbivore Interactions*. Ventura, California. "Multitrophic network structure in temperate forests of Canada."

M. R. Weiss, **J. T. Lill**, and E. M. Lind. 2019. *Gordon Conference on Plant-Herbivore Interactions*. Ventura, California. "Physical plant traits determine performance and establishment of neonate skipper larvae."

**Lill, J.T.,** M. R. Weiss, and E. M. Lind. 2019. *Gordon Conference on Plant-Herbivore Interactions*. Ventura, California. "Temporal variation in multitrophic interactions facilitates diet expansion in the Silver Spotted Skipper."

**Lill, J.T.**, M.R. Weiss, E.M. Lind, and C. Block*. 2018. *Annual Meeting of the Ecological Society of America*. New Orleans, Lousiana. "The role of host plants in mediating caterpillar-natural enemy interactions."

Weiss, M. R., M. Abarca, **J. T. Lill** and L. Ries. 2018. *Annual Meeting of the Ecological Society of America*. New Orleans, Lousiana. "Environmental stressors act synergistically to induce supernumerary instars in caterpillars."

Vidal, M. C., S. M. Murphy, J.O. Stireman, T.W. Quinn, R. Tinghitella and **J.T. Lill**. 2018. *Annual Meeting of the Ecological Society of America*. New Orleans, Lousiana. "Influence of geographic distance and host plant use on the divergence of a generalist herbivore."

Abarca M., E. Larsen, **J. Lill**, M. R. Weiss, E. Lind, and L. Ries. 2017. *Annual Meeting of the Entomological Society of America*. Denver, Colorado. "Improving herbivore phenological predictions by incorporating variation in host plant quality."

**Lill, J. T.**, M. Weiss, and E. Lind. 2017. *Annual Meeting of the Ecological Society of America.* Portland, Oregon. "Temporal variation in tritrophic performance of silver spotted skipper larvae on native and exotic hosts."

Weiss, M. R., D. Guydish, S. Sokolosky, S. F. Torrenson, A. Figel, A. Brackley, and **J. T. Lill**. 2017. *Annual Meeting of the Ecological Society of America.* Portland, Oregon. "Host plant identity, leaf characteristics, and developmental stage influence time budgets of silver-spotted skipper larvae."

Weiss, M., **J. Lill**, and E. Lind. 2016. *XXV International Congress of Entomology*. Orlando, Florida. "Ecological factors promoting host shifts in the silver-spotted skipper."

Kula, R., **J. Lill**, E. Nearns, and H. Dalgleish. 2016. XXV International Congress of Entomology. Orlando, Florida. "Acquisition, management, and analysis of historical and contemporary data to discern legacy effects of ecological extinction on insect biodiversity."

Abarca, M. and **J. T. Lill**. 2015. *Annual Meeting of the Ecological Society of America.* Baltimore, Maryland. "Geographic variation in the seasonal responses of eastern tent caterpillars and their egg parasitoids."

Rosenwald, L, **J. T. Lill**, E. L. Lind, and M. R. Weiss. 2015. *Annual Meeting of the Ecological Society of America.* Baltimore, Maryland. "Larval host plant selection in the silver-spotted skipper (*Epargyreus clarus*)."

**Lill, JT**, E. L. Lind, and M. R. Weiss. 2015. *Annual Meeting of the Ecological Society of America.* Baltimore, Maryland. "Evolutionary ecology of host use in the silver spotted skipper (*Epargyreus clarus*)."

Lind, EL, **JT Lill**, and MR Weiss. 2015. *Annual Meeting of the Entomological Society of America*. "Temporal changes in caterpillar performance across multiple host plant species."

**Lill, J**., M. Weis, and E. Lind. 2014. *Annual Meeting of the Entomological Society of America*. Portland, Oregon. "Evolutionary ecology of host use in the silver-spotted skipper (*Epargyreus clarus*)."

Oppenheimer, R., and **J. Lill**. 2013. *Annual Meeting of the Entomological Society of America*. Austin, Texas. "Characterizing a plant-pollinator network for Plummers Island."

Brady, S., R. Oppenheimer, D. Erickson, C. Garcia-Robledo, S. Droege, J. Kress, and **J. Lill**. 2013. *Annual Meeting of the Entomological Society of America*. Austin, Texas. "Historical bee species diversity and current plant-bee pollination networks on Plummers Island, Maryland."

Weiss, M., L. Peterson, **J. Lill**, and A. Del Prete. 2013. *Annual Meeting of the Entomological Society of America*. Austin, Texas. "Ecological tradeoffs in host plant use by the Silver-spotted skipper, *Epargyreus clarus*."

Murphy, S. M., K. Grenis, T. M. Stoepler, and **J. T. Lill**. 2013. *Annual Meeting of the Ecological Society of America*. Portland, Oregon. "Guild-specific parasitism of forest caterpillars: size matters."

Abarca, M., **J. T. Lill**, P.Frank-Bolton, and R. Leontie. 2012. *Annual Meeting of the Entomological Society of America*. Knoxville, Tennessee. "Dealing with variable spring conditions: the strategy of eastern tent caterpillars."

Sigmon, E., and **J. T. Lill**. 2012. *Annual Meeting of the Entomological Society of America*. Knoxville, Tennessee. "Priority effects in the establishment of the oak leaf tie community."

**Lill, J. T.**, T. M. Stoepler, and S. M. Murphy. 2012. *Entomological Society of America, Eastern Branch Meeting*. Hartford, Connecticut. "Tri-trophic interactions in tree-caterpillar-parasitoid food webs."

Sigmon, E., and **J. T. Lill**. 2011. *Annual Meeting of the Ecological Society of America*. Austin, Texas. "Aggressive fighting behavior in shelter-building caterpillars."

Stoepler, T. M., and **J. T. Lill**. 2011. *Annual Meeting of the Ecological Society of America*. Austin, Texas. "Direct and indirect effects of light environment on host plant-herbivore-parasitoid interactions."

Murphy, S. M., and **J. T. Lill**. 2010. *Annual Meeting of the Entomological Society of America*. San Diego, California. "Larval defenses protect slug caterpillars from multiple generalist predators but may increase their risk of parasitoid attack."

**Lill, J.T.**, and S. M. Murphy. 2010. *Annual Meeting of the Ecological Society of America*. Pittsburgh, Pennsylvania. "Variation in herbivore fitness on alternative host plants: a tritrophic perspective."

Stoepler, T., **J. T. Lill**, and S. M. Murphy. 2010. *Annual Meeting of the Ecological Society of America*. Pittsburgh, Pennsylvania. "Cascading effects of host plant and host size on parasitoid resource partitioning."

Sigmon, E., and **J. T. Lill**. 2010. *Annual Meeting of the Ecological Society of America*. Pittsburgh, Pennsylvania. Phenological colonization of leaf-ties on American beech and white oak."

Stoepler, T. M., S. M. Murphy, and **J. T. Lill**. 2010. *Gordon Research Conference on Plant-Herbivore Interactions.* "Cascading effects of host plant and host size on parasitoid resource partitioning."

Murphy, S. M., and **J. T. Lill**. 2010. *Gordon Research Conference on Plant-Herbivore Interactions.* "Increasing voltinism in a temperate moth species: a result of global change?"

**Lill, J. T.,** S. M. Murphy, and T. Stoepler. 2010. *Gordon Research Conference on Plant-Herbivore Interactions*. Galveston, Texas. "Intraplant movement of generalist caterpillars on alternative host plants."

**Lill, J. T.**, S. M. Murphy, and T. Stoepler. 2009. *Annual Meeting of the Ecological Society of America*. Albuquerque, New Mexico. "Intraplant movement of generalist caterpillars on alternative host plants."

Murphy, S. M., S. Leahy, L. Williams, and **J. T. Lill**. *Annual Meeting of the Ecological Society of America*. Albuquerque, New Mexico. "Larval defenses protect slug caterpillars from multiple generalist predators."

Mason, P. A., S. R. Wilkes, **J. T. Lill**, and M. S. Singer. 2009. *Annual Meeting of the Ecological Society of America*. Albuquerque, New Mexico. "Geographic mosaic in host-plant use: regional variability in host preference and tri-trophic performance of the fall webworm."

Leahy, S., **J. T. Lill**, and S. M. Murphy. 2008. *Annual Meeting of the Ecological Society of America*. Milwaukee, Wisconsin. "Evolutionary ecology of defense in slug caterpillars (Lepidoptera: Limacodidae).

Murphy, S. M., and **J. T. Lill.** August 2008. *Annual Meeting of the Ecological Society of America*. Milwaukee, Wisconsin. "Morphology influences parasitoid attack on slug caterpillars: enemy-free space for the third trophic level?"

**Lill, J. T.**, and S. Murphy. June 2008. *Annual meeting of the Lepidopterists' Society*. Starksville, Mississippi. "Tritrophic interactions and the evolution of diet breadth in slug caterpillars (Lepidoptera: Limacodidae)."

**Lill, J. T.** December 2007. *Annual meeting of the Entomological Society of America*. Invited Symposium Presentation. San Diego, California. "Interspecific interactions and the evolutionary ecology of forest caterpillars."

**Lill, J. T.** August 2007. *Annual meeting of the Ecological Society of America*. San Jose, California. "The role of interspecific interactions in structuring the folivore community on American beech (*Fagus grandifolia*)."

**Lill, J.T.** August 2006. *Annual meeting of the Ecological Society of America*. Memphis, Tennessee. "Ecological and morphological determinants of parasitism in eastern slug caterpillars (Lepidoptera: Limacodidae)."

**Lill, J. T.,** R. J. Marquis. August 2005. *Annual meeting of the Lepidopterists' Society*. Sierra Vista, Arizona. "Ecological consequences of shelter-sharing by leaf-tying caterpillars."

**Lill, J. T.**, R. J. Marquis, K. Lander, and C. Jones. August 2004. *Annual meeting of the Ecological Society of America*. Portland, Oregon. "A legacy of leaf ties: engineering effects at multiple spatial scales." Invited talk, session entitled "Organisms as ecosystem engineers: conceptual progress, limits, and challenges."

Lander, K. M., **J. T. Lill**, and C. G. Jones. August 2004. *Annual meeting of the Ecological Society of America*. Portland, Oregon. "Habitat creation and biodiversity at small scales: leaf-tying caterpillars as ecosystem engineers."

**Lill, J. T.**, R. J. Marquis, R. E. Forkner, J. Le Corff, and N. Holmberg. July 2004. *Annual meeting of the Lepidopterists' Society*. College Park, Maryland. "Leaf pubescence, habitat use, and population dynamics of temperate slug caterpillars (Limacodidae)."

**Lill, J. T.**, D. Dvorett, and D. Le. February 2004. *Gordon Conference on Plant-Herbivore Interactions*. Ventura, California. "Community-level consequences of induced responses to eastern tent caterpillar defoliation in black cherry (*Prunus serotina*)."

Forkner, R. E., R. J. Marquis, **J. T. Lill**, W. Gram, and J. Le Corff. February 2004. *Gordon Conference on Plant-Herbivore Interactions*. Ventura, California. "Integrating multiple factors to assess the responses of larval lepidopteran communities to timber harvest: The Missouri Ozark Forest Ecosystem Project."

**Lill, J. T**. June 2003. *Caterpillar Biodiversity Workshop*. Santa Rosa, Costa Rica. "Indirect interactions among caterpillars mediated by shelters, parasitoids, and plant chemistry."

Forkner, R. E., R. J. Marquis, and **J. T. Lill**. August 2003. *Annual meeting of the Ecological Society of America*. Savannah, Georgia. "Feeny revisited: Condensed tannins as anti-herbivore defenses in leaf-chewing herbivore communities of *Quercus*."

**Lill, J. T.** and R. J. Marquis. August 2003. *Annual meeting of the Ecological Society of America*. Savannah, Georgia. "Leaf ties as oviposition sites for forest arthropods."

Forkner, R. E., R. J. Marquis, **J. T. Lill**, and J. Le Corff. August 2002. *Annual meeting of the Ecological Society of America*. Tucson, Arizona. "Does oak herbivore species richness show clear-cut responses to timber harvest in Missouri Ozark forests?"

Marquis, R. J., and **J. T. Lill**. August 2002. *Annual meeting of the Ecological Society of America*. Tucson, Arizona. "The role of the middle trophic level in tritrophic cascades: leaftiers as ecosystem engineers."

Marquis, R. J., and **J. T. Lill**. December 2000. *International Conference of Entomology*. Iguazu, Brazil. "Tritrophic effects of a leaftying lepidopteran as a keystone ecosystem engineer."

Marquis, R. J., R. E. Forkner, **J. T. Lill**, and J. Le Corff. October 2000. *Natural Areas Conference*. St. Louis, Missouri. "Post-treatment timber harvest effects on accumulation of new oak herbivore species."

**Lill, J. T.**, R. J. Marquis, J. Le Corff. October 2000. *Natural Areas Conference.* St. Louis, Missouri. "Community ecology of oak herbivores."

**Lill, J. T.**, and R. J. Marquis. August 2000. *Annual meeting of the Ecological Society of America.* Snowbird, Utah. "Leaf-tying caterpillars as physical ecosystem engineers."

**Lill, J. T.**, and R. J. Marquis. December 1999. *Annual meeting of the Entomological Society of America*. Atlanta, Georgia. "Leaftying caterpillars as ecosystem engineers."

**Lill, J. T.** , and R. J. Marquis. August 1998. *Annual meeting of the Ecological Society of America*. Baltimore, Maryland. "The effects of variable oak leaf chemistry on caterpillar performance: testing the slow-growth—high-mortality hypothesis within a genetic framework."

**Lill, J. T.**, and R. J. Marquis. February 1998. *Gordon Conference on Plant-Herbivore Interactions*. Ventura,California. "Leaf quality vs. plant architecture: impacts on insect herbivore attack."

**Lill, J. T.** December 1997. *Annual meeting of the Entomological Society of America*. Indianapolis, Indiana. "Causes and consequences of life history variation in an oak leaf tier."

## *INVITED TALKS*

2024: Lake Forest College, McGuire Center for Lepidoptera and Biodiversity/Florida Museum
2023: George Washington University Department of Biological Sciences Seminar Series
2022: Wright State University
2021: Georgetown University, GW WOW talk
2018: University of Virginia, Mountain Lake Biological Station
2015: University of Denver
2014: Wright State University
2012: Maryland Native Plant Society, Rutgers University, Howard University
2011: Friends of Sligo Creek
2009: Washington Entomological Society, Washington Area Butterfly Club, Smithsonian Environmental Research Center
2008: Virginia Commonwealth University, University of Missouri-St. Louis
2007: University of Illinois, Urbana Champaign, University of Maryland, College Park
2006: SUNY-Stonybrook, Washington Biologists' Field Club

2005: Auburn University, Cornell University, Botanical Society of Washington
2004: Georgetown University, University of Maryland, College Park
2003: University of Virginia, Blandy Experimental Farm
2002: University of Nevado-Reno, Washington University in St. Louis, University of Memphis, George Washington University
2001: Florida State University, University of Nebraska-Omaha, University of Arkansas-Little Rock, Truman State University
2000: Southwest Missouri State University
1999: Institute of Ecosystem Studies, Fordham University

## TEACHING EXPERIENCE

THE GEORGE WASHINGTON UNIVERSITY
(the total enrollment for each course is given in parentheses)

BISC 1006 **Introductory Biology** for Majors (undergraduate lecture course)
Summer 2006 (20) Guest lectures, Spring 2015, Lecturer, Spring 2017 (180)
BISC 2331 **Insect Biology** (undergraduate lecture and laboratory course, co-taught with A. Smith)
Fall 2014 (11)
BISC 2335 **Insect Biology Laboratory** (undergraduate field/lab course)
Fall 2014 (11), Fall 2017 (24), Fall 2019 (11)
BISC 2454 **General Ecology** (undergraduate lecture course)
Fall 2023 (83), Fall 2024 (85), Fall 2025 (84)
BISC 2456 **General Ecology Laboratory** (undergraduate field course, supervising TAs)
Fall 2023 (43), Fall 2024 (48), Fall 2025 (48)
BISC 3460 **Conservation Biology** (undergraduate lecture course)
Spring 2004 (14), Spring 2005 (23), Spring 2006 (25), Spring 2008 (23), Spring 2009 (24), Spring 2010 (23), Spring 2011 (23), Spring 2012 (15), Spring 2013 (25), Spring 2014 (24), Spring 2015 (23), Spring 2016 (41), Spring 2017 (31), Spring 2018 (50), Spring 2019 (60), Spring 2020 (58) (with WID Section of 19 students)
BISC 3460W **Conservation Biology WID** (extra section for writing-intensive assignments)
Spring 2020 (19), Spring 2021 (9)
BISC 3461 **Plant-Animal Interactions** (undergraduate lecture course)
Spring 2003 (21), Fall 2004 (29), Fall 2006 (25), Fall 2010 (25), Fall 2012 (25), Fall 2013 (22)
BISC 3462 **Plant-Animal Interactions Laboratory** (undergraduate field course)
Fall 2004 (2), Fall 2006 (6), Fall 2008 (6), Fall 2012 (11)
BISC 6238 **Foundations in Ecology** (graduate core course). Fall 2021 (14), Spring 2025 (7)
BISC 6243 **Seminar in Ecology:** (topics vary and have included **Plant-Animal Interactions, Biodiversity**, **Community Ecology,** and **Biometry** (graduate lecture course)
Fall 2003 (6), Fall 2005 (7), Fall 2007 (5), Fall 2009 (4), Fall 2011, (3), Fall 2016 (11), Fall 2017 (7)
BISC 6206 **Topics in Evolutionary Ecology** (graduate discussion group)
Taught each semester 2007-2014, Spring 2017 (5), Spring 2018 (11), Fall 2019 (8), Spring 2024 (12), Spring 2025 (10)
ENRP 6102 **Environmental Sciences II: Life Sciences**
Spring 2022 (19), Spring 2023 (17), Spring 2024 (12)
*Taught a portion of BISC 152 (**Animal Behavior**) in Spring 2006 and guest lectured in BISC 158 (**Field Botany**) in Fall 2006*

Lectured in the HHMI/NSF/Harlan Summer Institute (2005, 2010-2013, 2015, 2016, 2017)

WASHINGTON UNIVERSITY, ST. LOUIS
**Plant-Animal Interactions** (undergraduate lecture course)

UNIVERSITY OF MISSOURI, ST. LOUIS
**Global Ecology** (undergraduate lecture course)
**Extended Phenotype** (undergraduate seminar course)
**Entomology Laboratory** (undergraduate laboratory course)
**Genetics Laboratory** (undergraduate laboratory course)
**Introductory Biology** (undergraduate laboratory course)

UNIVERSITY OF MARYLAND, COLLEGE PARK
**Animal Ecology** (TA for undergraduate laboratory course)
**Human Anatomy and Physiology** (TA for undergraduate laboratory course)
**Conservation Biology** (TA for undergraduate lecture course)

## SERVICE

*THE GEORGE WASHINGTON UNIVERSITY*

CCAS Tenure and Promotion Committee (2024-2025)
Biology Department Undergraduate Curriculum Committee Chair (2023-present)
CCAS Dean's Council (2024-2028)
Biology Department Diversity Committee, June 2020-2023
CCAS Webinar, Communicating Your Work to a Non-Academic Audience
Faculty Senate, Member of Faculty Senate Research Committee, July 2021-2023
Department Chair, June 2018-June 2021
GWU Delegate to the Organization for Tropical Studies (OTS) 2012-present
Faculty Mentor, Assistant Professors S. Powell, A. Smith, K. Gedan
CCAS Dean's Council (2013-2016)
ENRP Graduate Program Review Committee (2012-2013)
Academic Program Review Committee, Department of Theatre and Dance (2013)
Co-chair, Biology Department Research Seminar Series (2003-2007, 2012-13)
GWU Environmental Sciences Committee (2004-2006)
Graduate Committee, Department of Biological Sciences (2004-2014)
Animal Behavior Search Committee (2005-2006), Mind, Brain, Behavior Cluster
Anthropology Search Committee (2005-2006), Mind, Brain, Behavior Cluster
Departmental Bylaws Committee (2005-2006)
GTAP Orientation and Training Workshop (2006, 2010, 2012, 2014)
Anthropology Search Committee (2011), Paleoecology Search
Community Ecology Search Committee Chair (2011)
Animal Behavior Search Committee Chair (2012)
Coordinator, Biology Departmental Honors Program (2010, co-coordinator, 2011-2015)
Judge, Research Day, Center for Undergraduate Fellowships & Research (2013-2016)

*PROFESSION*

Research Committee Chair, Washington Biologists' Field Club (2020-present)
Scientific Review Board, NSF Socio-Environmental Synthesis Center (2012-2019)
Associate Editor, *Oecologia* (2012-2018)
Vice President, Lepidopterists' Society (2007-2008)
Governing Board, Washington Biologists' Field Club (2007- 2011)
Grants Panel, Washington Biologists' Field Club (2015-present)
Ad-hoc grant proposal reviewer for NSF (1-2 proposals per year for the DEB, IOS, panels), The National Geographic Society, University of Missouri Research Board, International Center for Tropical Ecology, GWU University Facilitating Funds (2011) and the Luther Rice Collaborative Fellowship Program (GWU 2006, 2008), and the Maryland Agricultural Extension Service (2012)
Panelist on the NSF-DEB Population Biology and Evolutionary Processes DDIG panel (2006) and the NSF-DEB Ecological Biology DDIG panel (2007, 2008).
Panelist for the NSF-Dimensions of Biodiversity Panel (2010) and the NSF-DEB Population and Community Ecology Panel (2010, 2012, 2013, 2014, 2015, 2016, 2017, 2018).
Panelist for NatureServe's National Phenology Network (NPN) (2009)
Panelist for SESYNC (2013-2019)
Search Committee Member, Smithsonian NMNH, Department of Entomology Curator Search (2011)

Reviewed manuscripts for the following journals: *American Fern Journal*, *American Journal of Botany*, *American Naturalist*, *American Midland Naturalist*, *Annals of the Entomological Society of America*, *Basic and Applied Ecology*, *Biological Journal of the Linnean Society*, *Biota Neotropical*, *Biotropica*, *Botany*, *Bulletin of Entomological Research*, *Canadian Entomologist*, *Diversity and Distributions*, *Ecological Applications*, *Ecological Entomology*, *Ecological Monographs*, *Ecology*, *Ecology Letters*, *Ecosystems*, *Ecosphere*, *Entomologia Experimentalis et Applicata*, *Environmental Entomology*, *European Journal of Entomology*, *Evolution*, *Evolutionary Ecology*, *Florida Entomologist*, *Frontiers in Ecology and Evolution*, *Insects*, *Insect Conservation and Diversity*, *International Journal of Plant Sciences*, *Journal of Applied Ecology*, *Journal of Insect Behavior*, *Journal of the Lepidopterists' Society*, *Nature*, *Oecologia*, *Oikos*, *Pan-pacific Entomologist*, *Population Ecology*, *PLoS-One*, *Proceedings of the Royal Society B*, *Proceedings of the Washington Entomological Society*, *Science*, *Southwestern Naturalist*, *Trends in Ecology and Evolution.*

*COMMUNITY OUTREACH*

"Caterpillar Road Show." Hands-on outdoor classroom presentations for 80-300 elementary school students per year (2007-present) in underserved Montgomery County, MD, Fairfax County, VA, and Washington, DC area schools.
Developed and disseminated original digital educational materials on Cicada Biology to teachers and students throughout the DMV via our website www.friendtocicadas.org (> 10,000 unique visitors, thousands of downloads, >800 student participants in our cicada haiku contest)
Nature walk for Brooke Grove Retirement Community, September 2021
Zoom presentation on Cicada Biology for entire 3rd grade of Hunters Woods Elementary School, Virginia (~100 students)
Public Cicada Education Walk for Friends of Sligo Creek, 2021 (> 60 attendees)

Livestreamed 'Cicada Safari' for entire 4th grade at Forest Knolls Elementary School, 2021
Brood X Cicada talk for residents of Brooke Grove Retirement Village, 2021
Wildlife Habitat Council Webinar, 2021 (86 students attended)
Laurel Historical Society talk on the history of cicada research, May 2021
'Cicada Safari' Live stream with > 1000 DC Public School students
Partnership with Montgomery County Public Schools and *GreenKids* program of the Audubon Naturalist Society to enhance second and third grade science curriculum on insect life cycles
SEH Science building tour leader for 5th graders from the Girls in Stem program at GlenAllen Elementary School (2016-2019)
Guest lecturer and field trip leader for Entomology Magnet Class at Montgomery Blair High School (Silver Spring, MD), 2016.
Instructor for the *Maryland Master Naturalists* Certification Program (2011-2013).
Field walks for the Friends of Sligo Creek conservation organization (open to the public), 2008-2011.
Presented a unit on eastern tent caterpillar biology for >100 students at Science Expo Day at Piney Branch Elementary School
Presented unite on Insect Adaptations for Science Night at Sligo Middle School.
Chair of the Forest Knolls Elementary School Science Fair (2009-2015).
Merit Badge Counselor for Boy Scout Troop 249 (Nature, Environmental Science, Forestry, Insect Study).
Routinely lead night insect collecting expeditions for both teachers and elementary school students.
Conducted a teacher training workshop on insect collecting at the Audubon Naturalist Society in Chevy Chase, Maryland (September 2010).
BioBlitz Inventory in Rock Creek Park (National Geographic, National Park Service Sponsors, 2007, 2016). Led volunteer groups (GirlScouts and CubScouts) in field inventory.
Nature, Environmental Science, Insect Study and Forestry Merit Badge Counselor, Boy Scout Troop 249 (2010-present).

## ACADEMIC ADVISING

*POST-DOCTORAL ASSOCIATES*

Dr. Zoe Getman-Pickering, Fall 2020-Spring 2022. GWU-funded full-time position.
Dr. Chang-Ti Tang, Fall 2018-Spring 2020. USDA-Forest Service-funded full-time position.
Dr. Cee Nell, Fall 2018-Spring 2020.
Dr. Eric Lind, 2012-2016. NSF-funded part-time position.
Dr. Shannon M. Murphy, 2007-2010. NSF-funded full-time position.
Dr. Nicole Cintas, Northern Virginia Community College, summer 2006 (HHMI Program)

*GRADUATE STUDENTS*

1. Steven Wilkes (M.S. student, GWU). Thesis: *Ecological Determinants of Host Plant Use by Fall Webworm.* (M.S. 2007)

2. Erik Howard (M.S. student, GWU). Thesis: *Land use effects on native bee distribution in Washington*. (M.S. 2013)

3. Teresa Stoepler (Ph.D. student, GWU) Thesis: *Cascading effects of host plant quality on caterpillar-parasitoid interactions.* (Ph.D. 2012)

4. Elisha Sigmon (Ph.D. student, GWU). Thesis: *Behavioral and community ecology of leaf-tying caterpillars*. (Ph.D. 2013)

5. Mariana Abarca (Ph.D. student, GWU). Thesis: *Climate change and the phenology of eastern tent caterpillars.* (Ph.D. 2015)

6. Benjamin Smith (M.S. student, GWU). Thesis: *Host plant-mediated differences in caterpillar parasitism and predation*. (M.S. 2017)

7. Allison Brackley (Ph.D. student, Georgetown U, co-advised with Martha Weiss). Thesis: *Evolutionary ecology of invasive plant colonization by a native insect herbivore*. (Ph.D. 2021)

8. Ryan Spahn (Ph.D. student, GWU). Thesis: *Climate change effects on multitrophic interactions in a* Brassica *cropping system* (Ph.D. 2022)

9. Jocelyn Marquéz (BS/MS student, GWU). Thesis: *Bitrophic ecological interactions in a Brassica system provide insights into evolutionary adaptations in oviposition decisions.* (M.S. 2023)

10. Lucas Micheels** (Ph.D. student, GWU). Thesis: *Biogeography and evolution of Limacodidae* (Ph.D., 2026)

11. Julia Meyer* (M.S. student, GWU). Thesis: *A specimen-based tri-trophic interaction web involving host plants, slug caterpillars, and their parasitoids.* (M.S., 2025)

12. Ari Zakroff (Ph.D. student, GWU). Thesis: *Evolutionary ecology of multitrophic interactions involving the summer azure,* Celastrina neglecta *(Lepidoptera: Lycaenidae).*

13. Brady Thexton (PhD student, Georgetown U., co-advised with Martha Weiss). Thesis: *The use of non-native plants by native arthropods: a study in integration*.

14. Emma Lederer (PhD student, Georgetown U., co-advised with Martha Weiss). Thesis: *Community ecology of leaf-tying caterpillars and their secondary occupants*.

*Recipient of the Dean's Award Tuition Fellowship
** Recipient of the Packer Award

*UNDERGRADUATE THESIS STUDENTS*

Kate Knox (2002)
Daniel Dvorett (2002)
Tyler Van Fleet (2003)
Lauren Peterson(2005)*
Alison Parker (2006)†
Nathaniel Trager (2008)*
Susannah Leahy (2009)*‡
Dean Brostowin (2011)
Victoria Fiorentino (2011) †
Robert Oppenheimer (2013)
Michelle Sliwinski (2013)*
Erik Bethke (2014)*
Sam Schaeffer-Morrison (2015)* †
Ced Block*^ (2016)
Sarah Shamash (2022)* †
Valerie Chen* (2024)
Yair Ben-Dor (2025)
Camille Ingram* (2026)

* Recipient of a GWU Luther Rice/CCAS/Harlan Research Fellowship
† Awarded Atkins Prize for Best Honors Thesis in Biology Department
‡ Recipient of both the Goldwater and Hollings Scholarships (National competitions)
^1st place, GWU Research Day, undergraduate competition

*GRADUATE COMMITTEES*

Lola Freeman (GWU, Ph.D. Biology)
Juan Martinez (GWU, Ph.D. Biology)
Melody Weber (GWU, M.S. Biology)
Jacqueline Fiore (GWU, M.S. Biology)
Alison Brackley (Georgetown University, Ph.D. Biology)
Brady Thexton (Georgetown University, Ph.D. Biology)
Emma Lederer (Georgetown University, Ph.D. Biology)
Kristin Jayd (University of Maryland, M.S. Entomology)
Awanti Shastri (GWU, Ph.D. Biology)
Vince Ficarrotta (GWU, Ph.D. Biology)
Santiago Menses-Ospina (GWU, Ph.D. Biology)
Justus Jobe (GWU, Ph.D. Biology)
Jignasha Rana (GWU, Ph.D. Biology)
Sarah Pahlke (GWU, Ph.D. Biology)
Matthew Haynsen (GWU, Ph.D. Biology)
Aidan Manubay (GWU, Ph.D. Biology)
Mayra Vidal (University of Denver, Ph.D. Biology)
Amy Milo (GWU, Ph.D. Biology)
Lily Hughes (GWU, Ph.D Biology)
Yi-Jiun Tsai (Georgetown University, Ph.D. Biology)
Lillian Power (Georgetown University, M.S. Biology)
Heather Mallory (Georgetown University, Ph.D. Biology)
Kelsey Glennon (GWU, Ph.D. Biology)
Eric Lind (University of Maryland, Ph.D. BEES program)
Gwen Schlichta (Univerrity of Maryland, Ph.D. BEES program)
Vinita Gowda (GWU, Ph.D Biology)
Will So (GWU, Ph.D. Biology)
Genevieve Soloway (GWU, M.S. Biology)

INTERNATIONAL GRADUATE STUDENTS SPONSORED

Michal Parak (Slovakia) 2017

## FELLOWSHIPS AND AWARDS

Izaak Walton League of America National Honor Roll Award, 2023
GWU Service Excellence Award (Parent Choice Award), 2011
Ralph E. Powe Junior Faculty Enhancement Award, 2004
Arnold Grobman Award for Excellence in Graduate Research, 1996
Peter Raven Graduate Fellowship, 1993-1997

## PRESS COVERAGE

Porter, M., L. Jenzen and I. Liben. 2025. The Hatchet. To squash or not to squash: professor, students Talk spotted lanternflies. https://gwhatchet.com/2025/10/05/to-squash-or-not-to-squash-professor-students-talk-spotted-lanternflies/

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Lill, JT and Z. Getman-Pickering. Washington Post. May 6, 2021. Five Myths about Cicadas. https://www.washingtonpost.com/outlook/five-myths/five-myths-about-periodical-cicadas/2021/05/06/2d34bc8a-acf4-11eb-acd3-24b44a57093a_story.html

Li, A. Washington Post, May 2021. Wet hot cicada summer: a timeline of Brood X. https://www.washingtonpost.com/video/science/wet-hot-cicada-summer-an-endless-buffet-for-hungry-animals-and-scientists/2021/05/20/0c8de9e4-8d6d-447e-a8a0-73edffef82ff_video.html

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Geenfield-Boyce, N. 2021. NPR All Things Considered. Brood X cicadas are busy and so are the scientists who study them. https://www.npr.org/2021/05/25/1000004028/the-arrival-of-brood-x-cicadas-kicks-off-woodstock-for-bug-scientists

Entomology Today, July 2021. The 2021 Brood X Cicada Emergence: a Recap. https://entomologytoday.org/2021/08/12/2021-brood-x-periodical-cicada-emergence-recap/?fbclid=IwAR3Rls9A_y7hKoxrKuRjPZvfIbijdmeRdkYWL9739ON-ijDHDhC-9rgXOnk

WAMU/NPR interview, 2021. Brood X cicada eggs will hatch soon raining nymphs. https://dcist.com/story/21/07/06/brood-x-cicada-eggs-will-hatch-soon-raining-nymphs/

GWU Conversations with the Dean, 2014. Climate change: what caterpillars can tell us. Video interview: http://columbian.gwu.edu/climate-change-what-caterpillars-can-tell-us

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Newcomer, E. May 8, 2013. Invasion of the clicking cicadas. Washington Examiner article. http://washingtonexaminer.com/invasion-of-the-clicking-cicadas/article/2529217

WAMU Interview. April 27, 2013. The Animal House weekly radio show. An insect's command performance, 17 years in the making. http://wamuanimalhouse.org/category/tags/john-lill

Dempsey, M. Fall/Winter 2012. *GW Arts and Sciences* Cover article: The Caterpillar Factor: how warmer temperatures impact plant-insect interactions. Pp. 4-8.
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Stork, N. E. 2007. World of Insects. News & Views article. *Nature* 657-658.
Salih, Z. M. February 5, 2007. Professor John T. Lill receives NSF grant to study 'slug caterpillars.' *GW News Center* online publication.
Fahrenthold, D. A. April 19, 2007. Finding all creatures great and (very) small. *Washington Post* Metro Section, B10.
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Whitfield, J., 2003 Ecosystem engineering. *Nature* 422: 487.
Ben-Ari, E. T. 2003. Give me shelter. *BioScience* 53: 616.
Drinkard, A. 2003. Ecosystem engineers. *ESA NEWS* (online publication of the Ecological Society of America at http://www.esa.org)