

S. LUKE FLORY

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APPOINTMENTS

2025-present Director, Invasion Science Institute, University of Florida.
2021-present Professor, Agronomy Department, University of Florida.
2019-present Associate Chair, Agronomy Department, University of Florida.
2022-2023 Visiting Professor, University of Zagreb, Croatia.
2016-2021 Associate Professor, Agronomy Department, University of Florida.
2011-2016 Assistant Professor, Agronomy Department, University of Florida.
2010-2011 Postdoctoral Research Fellow, Center for Research in Environmental Sciences,
Office of the Vice Provost for Research, Indiana University.
2008-2010 Postdoctoral Research Associate, Department of Biology, Indiana University, and
Big Oaks National Wildlife Refuge, Madison, Indiana.
Affiliations: UF School of Natural Resources and Environment, UF Center for Aquatic and
Invasive Plants, UF Center for Latin American Studies, UF Tropical Conservation
and Development

EDUCATION

2008 Ph.D., Ecology and Evolutionary Biology, Department of Biology, Indiana University,
Bloomington, Indiana. Advisor: Keith Clay.
2003 M.Sc., Environmental Science, Applied Ecology, School of Public and Environmental
Affairs, Indiana University, Bloomington, Indiana. Advisor: Vicky Meretsky.
2001 B.A., Biological Sciences, DePauw University, Greencastle, Indiana.
2000 Denmark International Study: Marine Biology and Ecology, Copenhagen, Denmark.

AWARDS AND HONORS

2026 – UF/IFAS International Educator of the Year
2024 – Graduate Advisor/Teacher of the Year, University of Florida, College of Agricultural and
Life Sciences
2022-2023 – Fulbright U.S. Scholar (Croatia)
2021 – Florida Climate Institute Distinguished Faculty Fellow
2020 – Robert P. McIntosh Award (“best recent paper in vegetation ecology”), Ecological Society of
America
2020 – Undergraduate Teacher of the Year, University of Florida, College of Agricultural and Life
Sciences
2019-2022 – Research Foundation Professorship, University of Florida
2017 – International Educator of the Year, University of Florida
2017-2019 – University Term Professorship Award, University of Florida
2016 – International Achievement Award, Institute of Food and Agricultural Sciences, University of
Florida
2016 – Global Fellow, University of Florida International Center
2015 – Richard L. Jones Outstanding New Faculty Research Award – University of Florida
2015 – High Impact Research Publication Award – University of Florida/IFAS
2014 – Excellence Award for Assistant Professors – University of Florida, Office of the Provost (Top
10 Assistant Professors at UF)
2014 – Early Career Scientist Seed Funding Award – University of Florida/IFAS
2013 – High Impact Research Publication Award – University of Florida/IFAS
2007 – USDA Forest Service, Supervisor’s Award for excellence in development of partnerships

RESEARCH PUBLICATIONS (>125 TOTAL; >6,500 CITATIONS; H-INDEX 45)

- Kendig, A.E., C.M. Prince, M. Hoyer, and S.L. Flory. 2026. **Frequency and extent of aquatic plant management with herbicides determines long-term effects on native plants.** *Ecological Applications* 36(3): e70250. <https://doi.org/10.1002/eap.70250>
- Meerdink, S., D. Hiatt, H. Cooley, A. Zare, and S.L. Flory. 2026. **NASA's hyperspectral EMIT mission improves invasive plant detection in Everglades National Park.** *Biological Invasions* 28,188. <https://doi.org/10.1007/s10530-026-03905-4>
- Lucas, M.S., C. Rosche, I. Hensen...S.L. Flory...et al (91 authors). 2026. **Population genomics of a cosmopolitan weed provides insights into its local adaptation and recent demographic history.** *Molecular Ecology*. 35(10): e70368. <https://doi.org/10.1111/mec.70368>.
- Lane, B.R., C. Wojan, C. Meehan, A.E. Kendig, R.D. Holt, P.F. Harmon, K. Clay, S.L. Flory, and E.M. Goss. 2026. **Foliar pathogen epidemic slows decomposition of invasive plant litter.** *Ecology* 107(4): e70374. <https://doi.org/10.1002/ecy.70374>
- Sheng, M., C. Rosche, M. Al-Gharaibeh, L. Bullington, R. Callaway, T. Clark, C. Cleveland, S.L. Flory, D. Khasa, J. Klironomos, X. Li, M. McLeod, M. Okada, R. Pal, M. Shah, and Y. Lekberg. 2026. **Eco-evolutionary shifts in interactions between a global invasive plant and belowground putative pathogens coincide with shifts in plant performance.** *Journal of Ecology*. In press.
- Britvec, M., M. Piria, I. Vitasović-Kosić, S.L. Flory, B. Mitić, S. Essert, D. Hruševar, S. Kim, I. Ljubičić, and L. Vilizzi. 2026. **Emerging invasion risks of non-native urban trees in continental Europe under a changing climate.** *Plants*, 15(15), 2313. <https://doi.org/10.3390/plants15152313>
- Alba, C., A. Lucky, C. Fahey, G. Somarriba, M. Dunbar, W. Inman, S.L. Flory, and Angelini, C. 2026. **Plant invasion overrides drought in suppressing arthropod abundance and richness.** *Oikos* e11920. <https://doi.org/10.1002/oik.11920>
- Baena, A.G., C.R. Minter, S.L. Flory, D.R. Brookes, and G.S. Wheeler. 2026. **Variation in invasive plant lineages of an agricultural weed affects an insect herbivore.** *Biological Control*. In press.
- Flory, S. L.**, Ryan, S. J., Taneja, Y. V., Muñoz, M., Hiatt, D., Lippi, C. A., & Allan, B. F. 2025. Impacts of plant invasions on tick-borne disease risk. *BioScience*, biae153. <https://doi.org/10.1093/biosci/biae153>
- Hiatt, D., W. Dillon, A. Gardner, S. Cabrera, M Dietze, B. Allan, and **S.L. Flory**. 2025. Mechanistic pathways of tick exposure risk in native and invaded plant communities. *Ecology*. <https://doi.org/10.1002/ecy.70233>
- Kirk, D., J. Cohen, V., Nguyen, M. Childs, J. Farner, J. Davies, **S.L. Flory**, J. Rohr, M. O'Connor, and E. Mordecai. 2025. Impacts of weather anomalies and climate on plant disease. *Ecology Letters*. <https://doi.org/10.1111/ele.70062>
- Rad, S. P. H., T. S. Duque, S. L. Flory, V. G. do Nascimento, D. S. Mendes, J. C. Maciel, J. Barbosa dos Santos, R. Siqueira da Silva, and F. Shabani. 2025. Predicting the spread of invasive *Imperata cylindrica* under climate change: A global risk assessment and future distribution scenarios. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0321027>
- Calzadilla, D., Z.T. Brym, S. Canavan, K.M. Baecher, C.G. Martin, and **S.L. Flory**. 2025. Emergence and persistence of volunteer hemp in southern Florida. *Invasive Plant Science and Management*. <https://doi.org/10.1017/inp.2025.13>
- Simon, M., M. Barfield, N. Kortessis, **S.L. Flory**, K. Clay and R. Holt. 2025. Fast growing annual plants drive disease spillover in multi-host communities. *Journal of Ecology*. <https://doi.org/10.1111/1365-2745.70002>

- Al-Gharaibeh, M.M., S.D. Al-Kofahi, H.A. Bakhit, S.L. Flory, and C. Rosche. 2025. Toward eco-sustainable afforestation in arid lands: key lessons from a 23-year-old arboretum of native and non-native trees in Jordan. *Restoration Ecology*. e70178. <https://doi.org/10.1111/rec.70178>
- Rivas-Torres, G., C. Wilson, B. Loiselle, and **S.L. Flory**. 2024. Experimental removal of an invasive tree in Galápagos promotes native and endemic species but also secondary invaders. *Restoration Ecology*. DOI: <https://doi.org/10.1111/rec.14356>
- Londe, V., C.M. Prince, and **S.L. Flory**. 2024. Coexistence in long-term managed lakes: Limited evidence of negative impacts of invasive macrophytes on fish communities. *Ecological Indicators*, 169, 112931. DOI: <https://doi.org/10.1016/j.ecolind.2024.112931>
- Shi, B., Delgado-Baquerizo, M., Knapp, A. K. Smith, M. D. Reed, S. Osborne, **S.L. Flory**,... & Sun, W. (2024). Aridity drives the response of soil total and particulate organic carbon to drought in temperate grasslands and shrublands. *Science Advances*, 10(40), eadq2654. DOI: [10.1126/sciadv.adq2654](https://doi.org/10.1126/sciadv.adq2654)
- Nagy, D. U., A.E. Thoma, M. Al-Gharaibeh, R.M. Callaway, **S.L. Flory**, L. J. Frazee, M. Hartmann, I. Hensen, K. Jandová, D.P. Khasa, and Y. Lekberg. 2024. Among-population variation in drought responses is consistent across life stages but not between native and non-native ranges. *New Phytologist*. <https://doi.org/10.1111/nph.19895>
- Novoa A., G. Vimercati, G. Brundu, D. M. Richardson, U. Schaffner, A. Brunori, T. Campagnaro, S. Canavan, L. Celesti-Grapow, M. Dechoum, K. Dehnen-Schmutz, J. Dufour-Dror, F. Essl, **S. L. Flory**, H. Jäger, J. Joshi, M. Karmann, B. Langdon, K. Lapin, J. Le Roux, V. Lozano, M. Masiero, L. A. Meyerson, M. A. Nuñez, A. Pauchard, J. Pergl, A. J. Porté, P. Pyšek, J. Pyšková, J. Rodriguez, R. T. Shackleton, J. S. Silva T. Sitzia, L. Verbrugge, M. Vítková, Y. T. Weldeemaet, M. Westergren, J. R. U. Wilson. 2024. Stakeholders' views on the global guidelines for the sustainable use of non-native trees. *People and Nature*. <https://doi.org/10.1002/pan3.10670>
- Vilizzi L., Piria M., Pietraszewski D., Giannetto D., **Flory S.L.**, Herczeg G., Baş Sermenli H., Britvec M., Jukoniene I., Petrulaitis L., Vitasović-Kosić I., Almeida D., Al-Wazzan Z., Bakiu R., Boggero A., Chaichana R., Dashinov D., De Zoysa M., Gilles A.S. Jr, Goulletquer P., Interesova E., Kopecký O., Koutsikos N., Koyama A., Kristan P., Li S., Lukas J., Moghaddas S.D., Monteiro J.G., Mumladze L., Oh C., Olsson K.H., Pavia R.T. Jr, Perdikaris C., Pickholtz R., Preda C., Ristovska M., Slovák Švolíková K., Števoe B., Ta K.A.T., Uzunova E., Vardakas L., Verreycken H., Wei H., Yoğurtçuoğlu B., Ferincz Á., Kirkendall L., Marszał L., Paganelli D., Stojchevska C., Tarkan A.S., Yazlık A. Development and application of a second-generation multilingual tool for invasion risk screening of non-native terrestrial plants. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2024.170475>.
- Hinkson, K., J. NeSmith, C. Alba, M. Durham, J. Ferrell, and **S.L. Flory**. 2024. Selective method for invasive plant removal enhances restoration. *Restoration Ecology*. <https://doi.org/10.1111/rec.14112>.
- Meerdink, S.K., D. Hiatt, **S.L. Flory**, and A. Zare. 2024. Dealing with imperfect data for invasive species detection using multispectral imagery. *Ecological Informatics*. p. 102432. <https://doi.org/10.1016/j.ecoinf.2023.102432>
- Stofer, K.A. **S.L. Flory**, D. Albrecht, R. Hall, J. Watts, C. Fahey, Amy Kendig, J.H. Keel, T. Petri. 2024. Collaborative professional development on authentic science may reduce barriers to implementation in high school classrooms. *Florida Journal of Educational Research*. *Accepted*.
- Sun, X., Y. Sun, X. Cao, X. Zhai, R. Callaway, J. Wan, **S.L. Flory**, W. Huang, and J. Ding. 2023. Tradeoffs in non-native plant herbivore defenses enhance performance. *Ecology Letters*. <https://doi.org/10.1111/ele.14283>
- Lockwood, J. L., D. Lieurance, **S.L. Flory**, L.A. Meyerson, A. Ricciardi, and D. Simberloff. 2023. Moving scholarship on invasion science forward. *Trends in Ecology & Evolution*. <https://doi.org/10.1016/j.tree.2023.01.006>
- Podzikowski, L., M. Lee., C. Fahey, J. Wright, **S.L. Flory**, and R. Phillips. 2023. Biogeochemical effects of a forest understory plant invasion depend more on dissimilar nutrient economies than

- invader biomass. *Elementa: Science of the Anthropocene*. 11:1.
<https://doi.org/10.1525/elementa.2023.00007>
- Pappo, E., S. Keene, H. Smith, Y. Song, T. Colquhoun, C.H. Wilson, and **S.L. Flory**. 2023. Effects of reduced rainfall on coffee quality and volatile composition. *Journal of the Science of Food and Agriculture*.
- Pappo, E., C.H. Wilson, J.J. Pitts, W.M. Hammond, and **S.L. Flory**. 2023. Toward a new perspective on evaluating climate change resilience of agroecosystems. *Ecosphere*.
<https://doi.org/10.1002/ecs2.4594>
- Lieurance, D., S. Canavan, D.C. Behringer, A.E. Kendig, C.R. Minter, L.S. Reisinger, C.M. Romagosa, **S.L. Flory**, J.L. Lockwood, P.J. Anderson, S.M. Baker, J. Bojko, K.E. Bowers, K. Canavan, K. Carruthers, W.M. Daniel, D.R. Gordon, J.E. Hill, J.G. Howeth, B.V. Iannone III, L. Jennings, L.A. Gettys, E.M. Kariuki, J.M. Kunzer, H.D. Laughinghouse IV, N.E. Mandrak, S. McCann, T. Morawo, C.R. Morningstar, M. Neilson, T. Petri, I.A. Pfingsten, R.N. Reed, L.J. Walters, and C. Wanamaker. 2023. Identifying invasive species threats, pathways, and impacts to improve biosecurity. *Ecosphere*, 2023. 14(12): p. e4711. <http://doi.org/10.1002/ecs2.4711>
- Tomat-Kelly, G., and **S.L. Flory**. 2023. Research gaps limit understanding of invasion fire cycles. *Biological Invasions*, pp. 1-19. <https://doi.org/10.1007/s10530-022-02951-y>
- Lane, B., A.E. Kendig, C.M. Wojan, A. Adhikari, M.A. Jusino, N. Kortessis, et al. 2023. Fungicide mediated shifts in the foliar fungal community of an invasive grass. *Phytobiomes Journal*.
<https://doi.org/10.1094/PBIOMES-03-22-0018-R>
- Flory, S.L.**, W. Dillon, and D. Hiatt. 2022. Interacting global change drivers suppress a foundation tree species. *Ecology Letters*. <https://doi.org/10.1111/ele.13974>
- Canavan, S., Z.T. Brym, G. Brundu, K. Dehnen-Schmutz, D. Lieurance, T. Petri, W.H. Wadlington, J.R.U. Wilson, and **S.L. Flory**. 2022. Cannabis de-domestication and invasion risk. *Biological Conservation*, 274: p. 109709. <https://doi.org/10.1016/j.biocon.2022.109709>
- Sheng, M., C. Rosche, M. Al-Gharaibeh, L.S. Bullington, R.M. Callaway, T. Clark, C.C. Cleveland, W. Duan, **S.L. Flory**, D.P. Khasa, J.N. Klironomos, M. McLeod, M. Okada, R.W. Pal, M.A. Shah, and Y. Lekberg. 2022. Acquisition and evolution of enhanced mutualism—an underappreciated mechanism for invasive success?. *The ISME Journal*, pp.1-12.
<https://doi.org/10.1038/s41396-022-01293-w>
- Kendig, A.E., S. Canavan, P.J. Anderson, **S.L. Flory**, L.A. Gettys, D.R. Gordon, B.V. Iannone III, J.M. Kunzer, T. Petri, I.A. Pfingsten, and D. Lieurance. 2022. Scanning the horizon for invasive plant threats using a data-driven approach. *NeoBiota*, 74, pp.129-154.
<https://doi.org/10.3897/neobiota.74.83312>
- Kortessis, N., A.E. Kendig, M. Barfield, **S.L. Flory**, M.W. Simon, and R.D. Holt. 2022. Litter, plant competition, and ecosystem dynamics: A theoretical perspective. *The American Naturalist*.
Accepted. <https://doi.org/10.1086/721438>
- Borden, J.B., K.M. San Antonio, G. Tomat-Kelly, T. Clark, and **S.L. Flory**. 2022. Invasive grass indirectly alters seasonal patterns in seed predation. *Biology Letters*. 18(6), 20220095.
- Pappo, E., C. Wilson, and **S.L. Flory**. 2022. Enhancing climate change education through links to agriculture. *The American Biology Teacher*. 84(4), 207-212.
<https://doi.org/10.1525/abt.2022.84.4.207>
- Benitez L., A.E. Kendig, A. Adhikari, K. Clay, P.F. Harmon, R. Holt, E. Goss, and **S.L. Flory**. 2022. Invasive grass litter suppresses a native grass species and promotes disease. *Ecosphere*.
<https://doi.org/10.1002/ecs2.3907>
- Magee, L., K. Pandit, **S.L. Flory**, R.M. Crandall, E.N. Broadbent, G.A. Prata, W.W. Dillon, S. Bohlman, and D.J. Johnson. 2022. Life stage and neighborhood-dependent survival of longleaf pine after prescribed fire. *Forests*. 13(1), 117. <https://doi.org/10.3390/f13010117>
- Fahey, C. and **S.L. Flory**. 2021. Soil microbes alter competition between native and invasive plants. *Journal of Ecology*. <https://doi.org/10.1111/1365-2745.13807>

- Pappo, E., C.H. Wilson, and **S.L. Flory**. 2021. Hybrid coffee cultivars may enhance agroecosystem resilience to climate change. *AoB Plants*, 13(2), plab010. <https://doi.org/10.1093/aobpla/plab010>
- Kendig, A.E., V.J. Svahnström, A. Adhikari, P.F. Harmon, and **S.L. Flory**. 2021. Emerging fungal pathogen of an invasive grass: Implications for competition with native plant species. *PloS one*, 16(3), e0237894. <https://doi.org/10.1371/journal.pone.0237894>
- Tomat-Kelly, G., W.W. Dillon, and **S.L. Flory**. 2021. Invasive grass fuel loads suppress native species by increasing fire intensity and soil heating. *Journal of Applied Ecology*. <https://doi.org/10.1111/1365-2664.13881>
- Kendig, A.E., E.R. Spear, S.C. Daws, **S.L. Flory**, and E.A. Mordecai. 2021. Native perennial and non-native annual grasses shape pathogen community composition and disease severity in a California grassland. *Journal of Ecology*, 109(2), 900-912. <https://doi.org/10.1111/1365-2745.13515>
- Dillon, W.W., D. Hiatt, and **S.L. Flory**. 2021. Experimental manipulation of fuel structure to evaluate the potential ecological effects of fire. *Forest Ecology and Management*, 482, 118884. <https://doi.org/10.1016/j.foreco.2020.118884>
- Petri, T., S. Canavan, D.R. Gordon, D. Lieurance, and **S.L. Flory**. 2021. Potential effects of domestication on non-native plant invasion risk. *Plant Ecology*. 222, 549–559. <https://doi.org/10.1007/s11258-021-01130-8>
- Borden, J.B. and **S.L. Flory**. 2021. Urban evolution of invasive species. *Frontiers in Ecology and the Environment*. <https://doi.org/10.1002/fee.2295>
- Wilson, C.H., J.M. Vendramini, L.E. Sollenberger, and **S.L. Flory**. 2021. Root production in a subtropical pasture is mediated by cultivar identity and defoliation severity. *Tropical Grasslands-Forrajes Tropicales*, 9(2), 144-158. [https://doi.org/10.17138/tgft\(9\)144-158](https://doi.org/10.17138/tgft(9)144-158)
- Petri, T. B. Rehill, D. Lieurance, and **S.L. Flory**. 2021. Domestication does not alter invasion risk of a non-native legume. *Oecologia*. 196, pages 317–329. <https://doi.org/10.1007/s00442-021-04866-2>
- Cabrera, S., D. Hiatt, W.W. Dillon, T. Clark, B.F. Allan, and **S.L. Flory**. 2021. Observations of Wild Turkey Nesting in Invasive Cogongrass. *Southeastern Naturalist*, 20(1), N42. <https://doi.org/10.1656/058.020.0119>
- Estrada, J., C.H. Wilson, **S.L. Flory**. 2020. Clonal integration enhances performance of an invasive grass. *Oikos*. <http://doi.org/10.1111/oik.07016>
- Lane, B., K.B. Stricker, A. Adhikari, M.S. Ascunce, K. Clay, **S.L. Flory**, M.E. Smith, E.M. Goss, and P.F. Harmon. 2020. Large-spored *Drechslera gigantea* is a *Bipolaris* species causing disease on the invasive grass *Microstegium vimineum*. *Mycologia*.
- Goss, E.M., A.E. Kendig, A. Adhikari, B. Lane, N. Kortessis, R.D. Holt, K. Clay, P.F. Harmon, and **S.L. Flory**. 2020. Disease in invasive plant populations. *Annual Review of Phytopathology*. doi.org/10.1146/annurev-phyto-010820-012757
- Flory, S.L.** and J. Lockwood. 2020. Advancing towards a general theory of invasive species impacts: how do ecological effects vary across time and space? *Bulletin of the Ecological Society of America*. *In press* (review of ESA Symposium).
- Funk, J.L., I. Parker, V. Matzek, **S.L. Flory**, E.T. Aschehoug, C.M. DAntonio, W. Dawson, D. Thomson, and J. Valliere. 2020. Keys to enhancing the value of invasion ecology research for management. *Biological Invasions*. doi.org/10.1007/s10530-020-02267-9.
- Tarbox, B.C., M. Swisher, Z. Calle, C.H. Wilson, and **S.L. Flory**. 2020. Decline in local ecological knowledge in the Colombian Andes may constrain silvopastoral tree diversity. *Restoration Ecology*. doi.org/10.1111/rec.13153
- Fahey, C., A. Koyama, P.M. Antunes, K. Dunfield, and **S.L. Flory**. 2020. Plant communities mediate the interactive effects of invasion and drought on soil microbial communities. *The ISME Journal*. *Accepted*.
- Hiatt, D. and **S.L. Flory**. 2020. Populations of a widespread invader and co-occurring native species vary in phenotypic plasticity. *New Phytologist*. doi.org/10.1111/nph.16225

- Alba, C., Fahey, C. and **Flory, S.L.** 2019. Global change stressors alter resources and shift plant interactions from facilitation to competition over time. *Ecology*. doi.org/10.1002/ecy.2859
- Craig, M.E., Lovko, N, **Flory, S.L.** Wright, J.P., and Phillips, R. 2019. Impacts of an invasive grass on soil organic matter pools vary across a tree-mycorrhizal gradient. *Biogeochemistry*. doi.org/10.1007/s10533-019-00577-2
- Hiatt, D, Serbesoff-King, K, Lieurance, D, Gordon, DR, **Flory, S.L.** 2019. Allocation of invasive plant management expenditures for conservation: Lessons from Florida, USA. *Conservation Science and Practice*. doi.org/10.1111/csp.2.51
- Fahey, C., C. Angelini, and **S.L. Flory**. 2018. Grass invasion and drought interact to alter the diversity and structure of native plant communities. *Ecology*. 99:2692-2702.
- Liu, T., A. Abd-Elrahman, A. Zare, B.A. Dewitt, **S.L. Flory**, S.E. Smith. 2018. A fully learnable context-driven object-based model for mapping land cover using multi-view data from unmanned aircraft systems. *Remote Sensing of Environment*. 216:328-344.
- Tarbox, B.C., S.K. Robinson, B. Loiselle, **S.L. Flory**. 2018. Foraging ecology and flocking behavior of insectivorous forest birds inform management of silvopastures for conservation. *The Condor: Ornithological Applications*. 120(4):787-802.
- Lee, M., **S.L. Flory**, R. Phillips, and J. Wright. 2018. Site conditions are more important than abundance for explaining plant invasion impacts on soil nitrogen cycling. *Ecosphere*. 9(10):e02454.
- Dillon, W.W., D. Lieurance, D.T. Hiatt, K. Clay, **S.L. Flory**. 2018. Native and invasive woody species differentially respond to forest edges and forest successional age. *Forests*. 9(7):381.
- Guo, Y., S. Graves, **S.L. Flory**, S. Bohlman. 2018. Hyperspectral measurement of seasonal variation in the coverage and impacts of an invasive grass in an experimental setting. *Remote Sensing*. 10(5):784.
- Lieurance, D., A. Cooper, A.L. Young, D.R. Gordon, **S.L. Flory**. 2018. Running bamboo species pose a greater invasion risk than clumping bamboo species in the continental United States. *Journal for Nature Conservation*. 43:39-45.
- NeSmith, J.E., C. Alba, and **S.L. Flory**. 2018. Experimental drought and plant invasion additively suppress primary pine species of southeastern US forests. *Forest Ecology and Management*. 411:158-165.
- Wilson, C., M.S. Strickland, J.A. Hutchings, T.S. Bianchi, and **S.L. Flory**. 2018. Grazing enhances belowground carbon allocation, microbial biomass, and soil carbon in a subtropical grassland. *Global Change Biology*. 24(7):2997-3009.
- Rivas-Torres, G., **S.L. Flory**, and B. Loiselle. 2018. Plant community composition and structural characteristics of an invaded forest in the Galápagos. *Biodiversity and Conservation*. 27(2): 329-344.
- Flory, S.L.**, C. Alba, K. Clay, R. Holt, and E. Goss. 2018. Emerging pathogens can suppress invaders and promote native species recovery. *Biological Invasions*. 20(1): 5-8.
- Flory, S.L.**, C. Alba, K. Clay, R. Holt, and E. Goss. 2018. Long-term studies are needed to reveal the effects of pathogen accumulation on invaded plant communities. *Biological Invasions*. 20(1): 11-12.
- D'Antonio, C. and **S.L. Flory**. 2017. Long-term dynamics and impacts of plant invasions. *Journal of Ecology*. 105(6):1459–1461.
- Flory, S.L.**, J. Bauer, R. Phillips, and K. Clay. 2017. Effects of a non-native grass invasion decline over time. *Journal of Ecology*. 10(6)5:1475–1484.
- Wilson, C.H., T.T. Caughlin, S.W. Rifai, E.H. Boughton, M.C. Mack, and **S.L. Flory**. 2017. Multi-decadal time series of remotely sensed vegetation improves prediction of soil carbon in a subtropical grassland. *Ecological Applications*. 27(5):1646–1656.
- Gordon, D.R., D. Lieurance, D. and **S.L. Flory**. 2017. Predicted versus actual invasiveness of climbing vines in Florida. *Biological Invasions*. 19(8):2375-2384.

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EXTENSION, OUTREACH, AND TECHNICAL PUBLICATIONS

- Flory, S.L.** 2018. Information on measures and related costs in relation to species considered for inclusion on the Union list: *Lespedeza cuneata*. Technical note prepared by IUCN for the European Commission.
- Flory, S. L.** 2018. Information on measures and related costs in relation to species considered for inclusion on the Union list: *Triadica sebifera*. Technical note prepared by IUCN for the European Commission.
- Flory, S.L.** 2017. Information on measures and related costs in relation to species included on the Union list: *Microstegium vimineum*. Technical note prepared by IUCN for the European Commission.
- Lieurance, D.M., **S.L. Flory**, D.R. Gordon. 2016. The UF/IFAS Assessment of Nonnative Plants in Florida's Natural Areas: History, Purpose, and Use. Publication #SS-AGR-371. <http://edis.ifas.ufl.edu/ag376>
- Lieurance, D.M. and **S.L. Flory**. 2016. UF/IFAS Assessment of Nonnative Plants Launches an Interactive Website. *Wildland Weeds*. Winter 2016, pgs 16-17.
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- Wilson, S.B. and **S.L. Flory**. 2012. FloraGator: A novel, interactive, and online multiple-entry key for identifying plant families. *HortTechnology*. 22:410-41.
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- Kleczewski, N., **S.L. Flory**, and G. Nice. 2011. An introduction to *Microstegium vimineum* Japanese stiltgrass/Nepalese browntop) an emerging invasive grass in the eastern United States. Purdue University Factsheet- WS-49-W.

REPRESENTATIVE RESEARCH GRANTS

SINCE 2021: >\$7.5 MILLION TOTAL EXTERNAL FUNDING (MY ALLOCATION: \$2.75 MILLION)

-
- \$2,500,000 – (Co-PI) EEID program: USDA/NSF/NIH, “Invasive species as conduits for pathogen spillover between natural and agricultural systems”
- \$348,416 – (Co-PI) Army Corps of Engineers, “Using Long-Term Datasets to Understand Impacts of Aquatic Plant Management in Florida”
- \$239,804 – (PI) CESU National Park Service Program, “CESU- Hurricane effects on the distribution and management of plant invasions in coastal habitats”
- \$1,624,500 – (Co-PI) EEID program: USDA/NSF/NIH, “Multi-host, multi-pathogen interactions in invaded communities: The consequences of emerging infectious disease of a rapidly expanding grass”
- \$116,600 – (PI) Florida Fish and Wildlife Conservation Commission, “IFAS Assessment of Non-native Plants in Florida’s Natural Areas”
- \$2,450,000 – (Co-PI) Strategic Environmental Research and Development Program, Department of Defense, “Climate change impacts on fire regimes, plant invasions, and tick-borne diseases”
- \$1,317,225 – (Co-PI) GreenRoads of Florida, “Industrial Hemp Pilot Project: Variety Selection, Cropping System Development, and Invasion Risk Assessment”
- \$33,144 – (PI) Florida Forest Service, “Potential interactive effects of *Imperata cylindrica* (cogongrass) invasion and soil moisture availability on pine establishment and performance”
- \$69,399 – (PI) Florida Fish and Wildlife Conservation Commission, “Economic costs of invasive plant management in Florida’s natural areas”
- \$680,000 – (Co-PI) National Science Foundation, “Testing a conceptually-driven framework to predict variability in the ecosystem consequences of plant invasion across heterogeneous landscapes”
- \$156,244 – (PI) National Science Foundation, “Pathogen accumulation and its consequences for invasive plants”
- \$60,000 – (PI) FDACS Division of Plant Industry, “IFAS Assessment of Non-native Plants in Florida’s Natural Areas”
- \$132,608 – (PI) Florida Fish and Wildlife Conservation Commission, “IFAS Assessment of Non-native Plants in Florida’s Natural Areas”
- \$49,969 – (PI) UF/IFAS McIntire-Stennis, “Interactive effects of plant invasion and soil moisture availability on pine forest diversity and ecosystem functions”
- \$47,807 – (PI) Dean for Research, Early Career Scientist Seed Funding Award, “Interactive effects of *Imperata cylindrica* (cogongrass) invasion and soil moisture availability on longleaf”
- \$4,998 – (Co-PI) College of Agricultural and Life Sciences, University of Florida “Development of a Web Application for Students to Readily Identify and Learn Plant Families”
- \$239,866 – (PI) Joint Fire Science Program, “Fire and the invasive annual grass *Microstegium vimineum* in eastern deciduous forests,” 2008-2011. Collaborators: Dr. Sarah Emery, University of Louisville; Dr. Joseph Robb, Big Oaks National Wildlife Refuge; and Dr. Keith Clay, Indiana University.

TEACHING

-
- Biological Invaders PCB2441 (every fall semester)
 - Invasive Plant Ecology PLS6626 (spring, every other year, *fully online*)
 - UF in Croatia: Food and Global Change (Summer A, since 2024)

- UF in Cuba: Tropical Marine and Island Ecology (summer 2016-2020)

MENTORING: POSTDOCTORAL AND GRADUATE STUDENTS

<u>Postdocs</u>	<u>Ph.D. students</u>	<u>M.Sc. students</u>
1. Kerry Bohl Stricker	Bryan Tarbox	Julienne NeSmith
2. Christina Alba	Chris Wilson	Drew Hiatt
3. Whalen Dillon	James Estrada	Tabitha Petri
4. Susan Canavan	Gonzalo Rivas-Torres (co-chair)	Emily Pappo
5. Amy Kendig	Cathy Fahey	Gio Tomat-Kelly
6. Yunpeng Liu	Jesse Borden	Sam Scherneck
7. Diane Sturgeon	Emily Pappo	Christian Wanamaker (current)
8. Seokmin Kim (current)	Drew Hiatt (current candidate)	Cameron Deelstra (current)
9. Jason Sckrabulis (current)	Yukta Taneja (current candidate)	
10.	Cameron Dasher (current)	

MENTORING: GRADUATE STUDENT AWARDS

- Drew Hiatt (Ph.D. student) – 1st Place Student Research Presentation, 2025 EMAPI (Ecology and Management of Alien Plant Invasions Conference, Lincoln, New Zealand)
- Drew Hiatt – 1st Place Student Research Presentation, 2025 Florida Invasive Species Council Annual Symposium
- Emily Pappo (Ph.D. student) – 2023 Marianne Schmink Outstanding Dissertation Award, UF Tropical Conservation and Development Program
- Emily Pappo (Ph.D. student) – Graduate Student Teaching Award, University of Florida Graduate School
- Jesse Borden (Ph.D. student) – UF Research Promotion Initiative Award for publication: Gender bias in TA evaluations – lowering the glass ceiling for women
- Emily Pappo (Ph.D. student) – PIE (Public Issues Education) Fellowship, UF/IFAS Center for Public Issues Education in Agriculture & Natural Resources
- Emily Pappo (Ph.D. student) – AIARD Future Leaders Fellowship, Association for International Agriculture and Rural Development
- Emily Pappo (Ph.D. student) – Crop Ecology, Management, and Quality Poster/Rapid Talk – 2nd Place Crop Science Society of America, ASA-CSSA-SSSA Annual Meeting
- Emily Pappo (Ph.D. student) – Global Climate Change Oral Presentation – 2nd Place American Society of Agronomy, ASA-CSSA-SSSA Annual Meeting
- Emily Pappo (Ph.D. student) – Gerald O. Mott Meritorious Graduate Student Award in Crop Science Crop Science Society of America
- Emily Pappo (Ph.D. student) – Best Oral Presentation, UF/IFAS School of Natural Resources and Environment
- James Estrada (Ph.D. student) – 1st Place, Best Graduate Student Oral Presentation, Florida Exotic Pest Plant Council Annual Conference 2016.
- Jules NeSmith (M.Sc. student) – E. Lucy Braun Award for Excellence in Ecology, best student poster presentation, Ecological Society of America Annual Conference 2016.
- Jules NeSmith (M.Sc. student) – 2nd Place, Best Graduate Student Poster Presentation, Florida Exotic Pest Plant Council Annual Conference 2016.
- James Estrada (Ph.D. student) - C.E. Dean Award of Excellence for Outstanding Graduate Student in Agronomy 2015.
- Drew Hiatt (M.Sc. student) – 1st Place, Best Graduate Student Presentation, Florida Exotic Pest Plant Council Annual Conference 2015.
- James Estrada (Ph.D. student) – Overall winner, Graduate Student Research Symposium, Agronomy Department, UF/IFAS 2014.

MENTORING: STUDENT RESEARCH GRANTS AND FUNDING

- Yukti Taneja. 2025. Research Abroad for Doctoral students, UF International Center (\$5000)
- Yukti Taneja. 2025. Robin E. Nadeau Ecology Graduate Research Award (\$4000)

- Elise Whitaker. 2025. Florida Invasive Species Council, Julia Morton Research Grant (\$2,000)
- Yukti Taneja. 2025. TCD & Maxwell/Hanrahan foundation Field Research Grant (\$3000)
- Yukti Taneja. 2025. Doris Lowe and Earl and Verna Lowe Scholarship (\$2000)
- Yukti Taneja. 2024. Southeast Climate Adaptation Science Center Winter Institute (\$1000)
- Yukti Taneja. 2023. Grinter Fellowship Award, University of Florida (\$3000)
- Yukti Taneja. 2023. Tropical Conservation and Development Program Conference grant (\$400)
- Jesse Borden. 2022. James Davidson Graduate Travel Grant (\$650)
- Jesse Borden. 2022. IFAS Graduate Student Travel Grant (\$250)
- Jesse Borden. 2022. Graduate Student Council Travel Grant (\$350)
- Jesse Borden. 2022. UF/SNRE Travel Grant (\$250)
- Emily Pappo. 2022. UF School for Natural Resources and the Environment Travel Grant (\$300)
- Emily Pappo. 2022. UF Office of Research Travel Grant (\$300)
- Emily Pappo. 2022. UF Center for Stress Resilient Agriculture Travel Grant (\$400)
- Emily Pappo. 2022. UF Tropical Conservation and Development Program Travel Grant (\$300)
- Emily Pappo. 2022. UF Graduate Student Council Travel Grant (\$250)
- Emily Pappo. 2022. American Philosophical Society Fund for Exploration and Field Research (\$3,900)
- Emily Pappo. 2020. UF Tropical Conservation and Development Program Field Research Grant (\$1,200)
- Emily Pappo. 2020. UF School for Natural Resources and the Environment Travel Grant (\$300)
- Sam Scherneck. 2020. Florida Invasive Species Council, Julia Morton Research Grant (\$2,000)
- Emily Pappo. 2018. UF Center for Stress Resilient Agriculture Travel Grant (\$560)
- Emily Pappo. 2018. UF/IFAS Travel Grant (\$500)
- Emily Pappo. 2018. P.E.O International (\$1,800)
- Jesse Borden. 2018. Mohamed Bin Zayed Species Conservation Fund Research Grant (\$4940)
- Emily Pappo. 2017. UF/IFAS Center for Stress Resilient Agriculture (\$5,000)
- Bryan Tarbox. 2016. Graduate Student Council Travel Grant (\$350).
- Bryan Tarbox. 2016. James Davidson Graduate Travel Scholarship, CALS (\$300).
- Chris Wilson. 2015. National Science Foundation Doctoral Dissertation Improvement Grant (\$19,017).
- Drew Hiatt. 2014. Julia Morton Invasive Plant Research Grant. Florida Exotic Pest Plant Council (\$2,000).
- James Estrada. 2013-2017. Graduate Student Mini-grant. Florida Fish and Wildlife Conservation Commission (\$27,000).
- Gio Tomat-Kelly. Joint Fire Science Program (JFSP) Travel, Research, and Educational Experience (TREE) Grant
- Gio Tomat-Kelly. UF Graduate Student Council (GSC) Travel Grant
- Emily Pappo. UF/IFAS Center for Stress Resilient Agriculture (\$560)
- Emily Pappo. UF/IFAS Conference Travel Grant (\$500)
- Bryan Tarbox. 2017. Graduate School Doctoral Dissertation Award (\$9000)
- Emma Byerly (undergraduate student). 2016. UF/IFAS University Scholars Award (\$2250)
- Bryan Tarbox. 2016. William C. and Bertha M. Cornett Fellowship, College of Agriculture and Life Sciences (\$2000).
- James Estrada. 2016. Paul Robin Harris Travel Award, University of Florida Agronomy Department (\$500).
- James Estrada. 2016. Graduate Student Counsel Travel Award, University of Florida 2016 (\$350).
- Bryan Tarbox. 2013. UF Tropical Conservation and Development Field Research Grant (Tinker Grant) (\$2,000).
- Bryan Tarbox. 2013. Exploration Fund Grant. Explorer's Club, New York, New York (\$2,200).
- Katherine Nickerson (undergraduate student). 2014. UF/IFAS University Scholars Award 2014 (\$2250)

SELECTED SEMINARS AND PRESENTATIONS

- 7th United Nations Environment Assembly (invited keynote and panelist; Nairobi, Kenya)
- Florida Invasive Species Council annual meeting (invited keynote)
- International Conference on the Ecology and Management of Alien Plant Invasions (Christchurch, New Zealand)
- Florida Museum of Natural History (invited)
- North American Invasive Species Management Association

- Entomological Society of America (invited speaker, co-organizer of Special Symposium “Invasive Plants and Public Health: Unraveling the Connections to Vector-Borne Diseases”)
- Florida Smart Agriculture Initiative (invited)
- Indiana University (invited)
- University of Houston (invited)
- 59th Croatian & 19th International Symposium on Agriculture (invited plenary, Dubrovnik, Croatia)
- 5th Croatian Symposium on Invasive species – with International Participation (invited keynote; Zagreb, Croatia)
- 9th International Fire Ecology and Management Congress (invited)
- University of Zagreb, Croatia (invited)
- Ecology and Management of Alien Plant Invasions (EMAPi, Prague, Czech Republic)
- Duke University (invited)
- Archbold Biological Station (invited)
- Florida Exotic Pest Plant Council (invited plenary speaker)
- Huazhong Agricultural University, Wuhan, China (invited)
- 3rd International Conference on Biological Invasion and Global Change, Kaifeng, China (invited)
- European and Mediterranean Plant Protection Organization, Expert Working Group, Paris, France (invited)
- Neobiota, Dublin, Ireland
- The Stewardship Network (webcast) (invited)
- International Ecology and Management of Alien Plant Invasions. Lisbon, Portugal
- The Field Museum, Chicago, Illinois (invited)
- 100th meeting of the Ecological Society of America Annual Meeting. Baltimore, MD (invited)
- International Ecology and Management of Alien Plant Invasions. Waikoloa, Hawaii (invited)
- Ecological Society of America Annual Meeting. Sacramento, CA
- Clemson University – Ecology and Natural Resources (invited)
- University of Florida – School of Natural Resources and the Environment, Gainesville, Florida (invited)
- University of South Florida – Department of Integrative Biology, Tampa, Florida (invited)
- Auburn University – School of Forestry and Wildlife Sciences, Auburn, Alabama (invited)
- School of Natural Resources and Environment, University of Florida (invited)
- Everglades National Park, Early Detection and Rapid Response Working Group (invited)
- Ecological Society of America Annual Meeting, Symposium on multiple invaders (invited)
- Department of Biology, DePauw University, Greencastle, Indiana (invited)
- Fudan University – Institute of Biodiversity Science, Shanghai, China (invited)
- Chinese Academy of Science – Wuhan Botanic Garden (invited)
- Chinese Academy of Agricultural Science – Institute of Plant Protection, Beijing (invited)
- USDA Interagency Research Forum on Invasive Species (invited)
- Eastern Kentucky University – Department of Biology (invited)
- Georgia Southern University – Department of Biology (invited)
- University of Louisville – Department of Biology (invited)
- Rutgers University – School of Environmental and Biological Sciences (invited)
- Covering the Ohio River Valley – A convergence of media and scientists (invited)
- Southern Illinois University – Stiltgrass Summit (invited)
- The Stewardship Network (webcast) (invited)

REPRESENTATIVE PROFESSIONAL ACTIVITIES AND SERVICE

- **Peer Review Panel:** Fulbright U.S. Scholar Program, Biology: Ecology, Evolution 3 (2025)
- **Editorial Board:** Journal *Agriculturae Conspectus Scientificus* (2025 – present)

- **Ad hoc peer review:** *National Science Foundation, Division of Environmental Biology*, 2021, 2024
- **Review panel:** Research Opportunity Seed Fund (ROSF) and the Research Equipment Seed Fund (RESF), UF Office of Strategic Research Development (2025 – present)
- **Faculty Advisory Council:** *School of Natural Resources and Environment* (2021 – present)
- **Associate Editor:** *Journal of Applied Ecology* (2015 – 2020)
- **Editorial Advisory Board Member:** *Journal of Applied Ecology* (2015 – 2020)
- **Associate Editor:** *Plant Ecology* (2015 – 2020)
- **Scientific Advisory Council:** *Public Issues Education Center, University of Florida* (2015 – present)
- **External consultant:** *Global Species Programme, IUCN (International Union for Conservation of Nature)*
- **Invasive Plant Working Group:** *Institute of Food and Agricultural Sciences, University of Florida* (2011-present)
- **External reviewer of Distinguished Professor:** *National Research Foundation of South Africa* (2018)
- **Honors Coordinator,** *University of Florida, College of Agriculture and Life Science, University of Florida* (2018-present)
- **External reviewer:** *The National Fund for Scientific and Technological Research (FONDECYT), National Commission for Scientific and Technological Development (CONICYT) Chile.* (2017)
- **External reviewer:** *OMAFRA - Research Program, Office of Research, Strategic Partnerships, University of Guelph* (2017)
- **Chair:** *Invasion Ecology Section, Ecological Society of America*, 2017
- **Vice-chair:** *Invasion Ecology Section, Ecological Society of America*, 2017
- **External reviewer:** *Deutsche Forschungsgemeinschaft (DFG; German Research Foundation)* (2016)
- **Co-founder:** *Invasion Ecology Section, Ecological Society of America*, 2015
- **Expert Working Group member:** *European and Mediterranean Plant Protection Organization (EPPO), Paris, France*, 2017
- **External reviewer:** *Natural Sciences and Engineering Research Council of Canada (NSERC), - Biological Systems and Functions, Research Grants and Scholarships*, 2015
- **Expert Working Group member:** *European and Mediterranean Plant Protection Organization (EPPO), Paris, France*, 2014
- **Peer review of nominee:** *Canada Research Chairs Program*, 2014
- **Panel member:** *National Science Foundation, Division of Environmental Biology, Doctoral Dissertation Improvement Grants*, 2015
- **Panel member:** *National Science Foundation, Division of Environmental Biology*, 2014
- **Federal Grant Review Panel:** *Joint Fire Science Program*, 2010, 2011.

External reviewer for journals: have reviewed more than 100 articles for 39 different journals such as *American Journal of Botany, Applied Vegetation Science, Biological Conservation, Biological Invasions, Bioscience, Biotropica, Diversity and Distributions, Ecology Letters, Ecosphere, Environmental Management, Functional Ecology, Journal of Applied Ecology, Journal of Ecology, Journal of the Torrey Botanical Society, Natural Areas Journal, New Phytologist, Oikos, Plant and Soil, PLoS ONE, Restoration Ecology, Soil Biology and Biochemistry, Southeastern Naturalist.*