

LINDSEY SARGENT REISINGER

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EDUCATION

- 2015 Ph.D. Biological Sciences. Department of Biological Sciences, University of Notre Dame, Notre Dame, IN. Advisor: Dr. David Lodge
2009 M.S. Ecology. Odum School of Ecology, University of Georgia, Athens, GA.
Advisors: Dr. Alan Covich and Dr. Stephen Golladay
2004 B.A. Biological Sciences. Wellesley College, Wellesley, MA.

APPOINTMENTS

- 2020 Assistant Professor, Fisheries and Aquatic Sciences Program, School of Forest, Fisheries, & Geomatics Sciences, University of Florida IFAS, Gainesville, FL
2017 Research Assistant Professor, Fisheries and Aquatic Sciences Program, School of Forest, Fisheries, & Geomatics Sciences, University of Florida IFAS, Gainesville, FL.
2015 Postdoctoral Researcher, Institute for Great Lakes Research, Central Michigan University, Mount Pleasant, MI. Advisor: Dr. Donald Uzarski

PUBLICATIONS

Note change in surname from Sargent to Reisinger

(*denotes undergraduate student author from my lab, **denotes graduate student author from my lab)

25. Stratton**, C.E., B.A. Kabalan**, S.A. Bolds**, **L.S. Reisinger**, D.C. Behringer and J. Bojko (2023) *Cambaraspora faxoni* n. sp. (Microsporidia: Glugeida) from native and invasive crayfish in the USA and a novel host of *Cambaraspora floridanus*. *Journal of Invertebrate Pathology*, 107949
24. Stratton**, C.E., **L.S. Reisinger**, D.C. Behringer, A.W. Reinke and J. Bojko (2023) *Alterosema astaquatica* n. sp. (Microsporidia: Enterocytozoonida), a systemic parasite of the crayfish *Faxonius virilis*. *Journal of Invertebrate Pathology*, 107948
23. Tripp*, N.K., B.A. Kabalan**, J. Stoeckel and **L.S. Reisinger** (2022) Metabolic rates of a widely distributed crayfish shift along a latitudinal gradient. *Hydrobiologia* 849:3565–3579
22. Stratton**, C.E, P. Moler, T.W. Allain, **L.S. Reisinger**, D.C. Behringer and J. Bojko (2022) The plot thickens: *Ovipleistophora diplostomuri* infects two additional species of Florida crayfish. *Journal of Invertebrate Pathology* 191:107766.
21. Stratton**, C.E., **L.S. Reisinger**, D.C. Behringer and J. Bojko (2022) Revising the freshwater Thelohania to Astathelohania gen. et comb. nov., and description of two new species. *Microorganisms* 10(3): 636
20. Reisinger, A. J., **L. S. Reisinger**, E. K. Richmond and E. J. Rosi (2021) Exposure to a common antidepressant alters crayfish behavior and has potential subsequent ecosystem impacts. *Ecosphere* 12(6):e03527
19. Sinclair, J.S., **L.S. Reisinger**, C.R. Adams, E. Bean, A.J. Reisinger and B.V. Iannone (2021) Vegetation management and benthic macroinvertebrate communities in urban stormwater ponds: implications for regional biodiversity. *Urban Ecosystems* 24(4):1-11

18. **Reisinger, L.S.**, M.G. Glon and L.M. Pintor (2020) Divergence in foraging and predator avoidance behavior across the geographic range of native and non-native crayfish. *Hydrobiologia* 847(3):803-818
17. Sinclair, J.S., C.R. Adams, A.J. Reisinger, **L.S. Reisinger**, E. Bean, A.L. Holmes and B.V. Iannone (2020) High similarity and management-driven differences in the traits of a diverse pool of invasive stormwater pond plants. *Landscape and Urban Planning* 201:103839
16. Bojko, J., D.C. Behringer, P. Moler, C.E. Stratton** and **L.S. Reisinger** (2020) A new lineage of crayfish-infecting Microsporidia: the *Cambaraspora floridanus* n. gen. n. sp. (Glugeida: Glugidae) complex from Floridian freshwaters (USA). *Journal of Invertebrate Pathology* 171:107345
15. Bojko, J., D.C. Behringer, P. Moler and **L.S. Reisinger** (2020) *Ovipleistophora diplostomuri*, a parasite of fish and their trematodes, also infects the crayfish *Procambarus bivittatus*. *Journal of invertebrate pathology* 169:107306
14. Sinclair, J. S., A.J. Reisinger, E. Bean, C.R. Adams, **L.S. Reisinger** and B.V. Iannone (2020) Stormwater ponds: an overlooked but plentiful urban designer ecosystem provides invasive plant habitat in a subtropical region (Florida, USA). *Science of the Total Environment* 711:135133
13. **Reisinger, L.S.**, K.L. Pangle, M.J. Cooper, D.R. Learman, D.A. Woolnough, M.R. Bugaj, E.K. Burck, R.E. Dollard, A.N. Goetz, M.K. Goss, S. Gu, K.E. Karl, V.A. Rose, A.E. Scheunemann, R. Webster, C.R. Weldon, J. Yan and D.G. Uzarski. (2019) Short-term variability in coastal community and ecosystem dynamics in northern Lake Michigan. *Freshwater Science* 38(3):661-673
12. Schock, N., A.J. Reisinger, **L.S. Reisinger**, M.J. Cooper, J. Cibrowski, T. Gehring, A. Moerke and D.G. Uzarski (2019) Relationships between the distribution and abundance of the invasive faucet snail (*Bithynia tentaculata*) and environmental factors in Laurentian Great Lakes coastal wetlands. *Biological Invasions* 21(8):2613-2628
11. Glon, M.G., **L.S. Reisinger**, and L.M. Pintor (2018) Biogeographic differences between native and non-native populations of crayfish alter species coexistence and trophic interactions in mesocosms. *Biological Invasions* 20(12):3475-3490
10. Langer, T.A., M.J. Cooper, **L.S. Reisinger**, A.J. Reisinger and D.G. Uzarski (2017) Water depth and lake-wide water level fluctuation influence on α - and β -diversity of coastal wetland fish communities. *Journal of Great Lakes Research* 44(1):70-76
9. Glon, M.G., E.R. Larson, **L.S. Reisinger** and K. L. Pangle (2017) Invasive dreissenid mussels benefit invasive crayfish but not native crayfish in the Laurentian Great Lakes. *Journal of Great Lakes Research* 43(2):289-297
8. **Reisinger, L.S.**, A.K. Elgin, K.M. Towle, D. Chan and D.M. Lodge (2016) The influence of evolution and plasticity on the behavior of an invasive crayfish. *Biological Invasions* 19(3): 815-830
7. **Reisinger, L.S.**, and D.M. Lodge (2016) Parasites alter freshwater communities in mesocosms by modifying invasive crayfish behavior. *Ecology* 97(6):1497-1506
6. **Reisinger, L.S.**, I. Petersen, J.S. Hing, R. Davila, and D.M. Lodge (2015) Infection with a trematode parasite differentially alters competitive interactions and antipredator behavior in native and invasive crayfishes. *Freshwater Biology* 60 (8): 1581–1595
5. **Sargent, L.W.**, and D.M. Lodge (2014) Evolution of invasive traits in nonindigenous species: increased survival and faster growth in invasive populations of rusty crayfish (*Orconectes rusticus*). *Evolutionary Applications* 7(8):949-961
4. **Sargent, L.W.**, A.K. Baldrige, M. Vega-Ross, K. M. Towle and D.M. Lodge (2014) Trematode parasite alters growth, feeding behavior, and demographic success of invasive rusty crayfish (*Orconectes rusticus*). *Oecologia* 175:947-958
3. Morse, J.W., A.K. Baldrige and **L.W. Sargent** (2013) Invasive crayfish *Orconectes rusticus* (Decapoda, Cambaridae) is a more effective predator of substrate nesting fish eggs than native crayfish (*O. virilis*). *Crustaceana* 86(4): 387-402

2. Lodge, D.M., A.M. Deines, F. Gherardi, D.C.J. Yeo, T. Arcella, A.K. Baldrige, M.A. Barnes, W.L. Chadderton, J.L. Feder, C.A. Gantz, G.W. Howard, C.L. Jerde, B.W. Peters, J.A. Peters, **L.W. Sargent**, C.R. Turner, M.A. Wittmann and Y. Zeng (2012) Global introductions of crayfishes: evaluating the impact of species invasions on ecosystem services. *Annual Review of Ecology, Evolution, and Systematics* 43: 449-472
1. **Sargent, L.W.**, S.W. Golladay, A.P. Covich and S.P. Opsahl (2011) Physicochemical habitat association of a native and a non-native crayfish in the lower Flint river, Georgia: implications for invasion success. *Biological Invasions* 13(2): 499-511

MANUSCRIPTS IN REVIEW

(*denotes undergraduate student author from my lab, **denotes graduate student author from my lab)

- Kabalan**, B.A., Reisinger, A.J., Pintor, L.M., Scarasso, M., and **L.S. Reisinger**. Intraspecific variation in crayfish behavioral traits drives rates of stream leaf litter breakdown. Submitted to *Oecologia*.
- Tripp*, N.K., VanBuren, H. and **L.S. Reisinger**, Size-mediated competitive interactions between an invasive and an imperiled crayfish may explain extirpation of the imperiled species. Submitted to *Biological Invasions*.
- Lieurance, D., S. Canavan, D. Behringer, A.E. Kendig, C. Minter, **L.S. Reisinger**, C. Romagosa, L. Flory, J. Lockwood, P. Anderson, S. Baker, J. Bojko, K. Bowers, K. Canavan, K. Carruthers, W.M. Daniel, D. Gordon, J.E. Hill, J.G. Howeth, B.V. Iannone, L. Jennings, L.A. Gettys, K.M. Eutyclus, J.M. Kunzer, D.H. Laughinghouse, N. Mandrak, S. McCann, T. Morawo, C. Morningstar, M. Neilson, T. Petri, I. Pfingsten, R.N. Reed., L. Walters, and C. Wanamaker. Identifying invasive species threats and introduction pathways to improve biosecurity. Submitted to *Ecosphere*.

BOOK CHAPTERS

- Pintor, L.M. and **L.S. Reisinger**. In press. Biological invasion. in Behavioural Responses to a Changing World: Challenges and Applications, edited by B. Wong and U. Candolin. Oxford University Press.

TECHNICAL REPORTS

Note change in surname from Sargent to Reisinger

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- Reisinger, L.S.**, S. Bolds**, N. Tripp*, H. VanBuren, A. Atchia, and C. Wrege**. 2023. Evaluating threats to the imperiled Black Creek crayfish: interactions with the invasive white tubercled crayfish and the impacts of microsporidian pathogens. Florida Fish and Wildlife Conservation Commission Report.
- Warren, G., **L.S. Reisinger**, K. Lee, K. Fralick, K. Lawlor, N. Tripp*, P. Moler, A. Hallman, and D. Cook. 2019. Evaluation of black creek crayfish (*Procambarus pictus*) distribution and area of occupancy within the Black Creek Basin, Florida, 2018-2019. Florida Fish and Wildlife Conservation Commission Report.
- Uzarski, D.G., **L.S. Reisinger**, A.R. Mahon, and N. Schock (2015) Severing the direct connection between the Laurentian Great Lakes and the Mississippi River: economic and ecological threats. Report for Michigan Governor Snyder.
- Sargent, L.W.**, I. Petersen and D.M. Lodge (2013) Endoparasite impacts on Wisconsin crayfish growth, survival, and competitive interactions. Report for the Wisconsin Department of Natural Resources.
- Sargent, L.W.**, K.M. Towle, A. K. Baldrige and D.M. Lodge (2012) Endoparasite impacts on rusty crayfish (*Orconectes rusticus*). Report for the Wisconsin Department of Natural Resources.

GRANTS AWARDED

- 2023-2025 Joint Fire Science Program, Prescribed fire effects on wetland nutrients, macroinvertebrate production, and insect emergence, PI: Lindsey Reisinger, Co-PI: Coleson Wrege, \$24,992
- 2023-2024 Florida Fish and Wildlife Conservation Commission, A crayfish invasion threatens the imperiled Black Creek crayfish: Evaluating the role of disease and options for conservation, PI: Lindsey Reisinger, Co-PI: Sara Bolds, \$50,052
- 2022-2024 Wisconsin Department of Natural Resources, A microsporidian pathogen as a control for invasive crayfish, PI: Lindsey Reisinger, Co-PIs: Donald Behringer, Cheyenne Stratton, and Jamie Bojko, \$199,703
- 2021-2024 USDA Forest Service, Crayfish and Forest Vegetation, Lindsey Reisinger, \$27,406
- 2020-2022 Florida Fish and Wildlife Conservation Commission, Evaluating the potential to restore Black Creek crayfish populations by removing a nonindigenous species, Lindsey Reisinger, \$91,611
- 2020 Florida Fish and Wildlife Conservation Commission, Assessing crayfish species composition in the Black Creek drainage, Lindsey Reisinger, \$4,721
- 2020 University of Florida Forest Systems Jumpstart Program, Prescribed fire effects on wetland ecosystems in southeastern pine savannas, PI: Raelene Crandall, Co-PIs: Lindsey Reisinger, Alexander Reisinger and Shirley Baker, \$49,980
- 2019-2022 Wisconsin Department of Natural Resources, Using pathogens to control impacts of invasive crayfish, PI: Lindsey Reisinger, Co-PIs: Donald Behringer and Jamie Bojko, \$229,852
- 2018-2020 NSF, RoL: FELS EAGER: Environmental drivers of intraspecific variation in animal behavior and consequences for ecosystem functions, PI: Lindsey Reisinger, Co-PI: Alexander Reisinger. This was a collaborative proposal with Lauren Pintor from The Ohio State University. Total award \$299,865, UF award \$152,941
- 2018 University of Florida Travel Awards for Research Grant Enhancement, Biological invasions and ecosystem changes in a changing world, PI: Luke Flory, Co-PIs: Jiangxiao Qiu, Hui-Ling Liao, Basil Iannone, Donald Behringer, Lindsey Reisinger and Benjamin Baiser, \$10,472
- 2013 University of Notre Dame Environmental Change Initiative, How does coevolution influence the impact of a trematode parasite on native and invasive crayfish, Lindsey Reisinger and David Lodge, \$10,542
- 2011-2013 University of Notre Dame Environmental Research Center Research Fellowship, Rusty crayfish adaptation to northern Wisconsin and Michigan lakes and control by native predators and parasites, Lindsey Reisinger, \$6,000
- 2012 Wisconsin Department of Natural Resources, Endoparasite impacts on Wisconsin crayfish growth, survival, and competitive interactions, David Lodge and Lindsey Reisinger, \$3,505
- 2011 Wisconsin Department of Natural Resources, Endoparasite impacts on rusty crayfish (*Orconectes rusticus*), David Lodge and Lindsey Reisinger, \$3,341

INVITED SEMINARS

- 2023 Program in Ecology, Evolution and Conservation Biology, University of Illinois, Urbana, IL.
- 2023 Department of Biology, Tennessee Tech University, Cookeville, TN.
- 2021 Soil and Water Sciences Department, University of Florida, Gainesville, FL.
- 2019 Department of Biology, University of Florida, Gainesville FL.
- 2018 Wetlands Club, University of Florida, Gainesville FL.
- 2018 Joseph W. Jones Ecological Research Center, Newton, GA.
- 2016 Cary Institute of Ecosystem Studies, Millbrook, NY.

PRESENTATIONS

Note change in surname from Sargent to Reisinger

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- Reisinger, L.S.**, C.E. Stratton**, S.A. Bolds**, D.C. Behringer, and J. Bojko. The role of parasites in crayfish invasions. *Oral presentation*. Freshwater Sciences Meeting, June 2023, Brisbane, Australia.
- Stratton**, C.E., J. Bojko, D. Behringer, and **L.S. Reisinger**. The crawling dead: Microsporidian parasite alters invasive crayfish ecosystem impacts in mesocosms. *Oral presentation*. Freshwater Sciences Meeting, June 2023, Brisbane, Australia.
- Kabalan**, B.A., A.J. Reisinger, L.M. Pintor, M. Scarasso, and **L.S. Reisinger**. Integrating animal behavior with ecosystem ecology: Intraspecific variation in crayfish behavior can drive stream ecosystem functions and structure. *Oral presentation*. Freshwater Sciences Meeting, June 2023, Brisbane, Australia.
- Ganas, D., B. Hayman, **L.S. Reisinger**, and D. Cook. Evaluating the potential to restore Black Creek crayfish populations by removing a nonindigenous species. *Oral presentation*. Florida Chapter Wildlife Society Meeting, March 2023, Jacksonville, FL.
- Reisinger, L.S.**, N. Tripp*, D. Cook, D. Drumheller, K. Fralick, B. Hayman and G. Warren. Can intensive trapping to remove a nonnative crayfish benefit an imperiled congener? Oral Presentation. Florida Invertebrate Species with Active Research and Management meeting, October 2022, Virtual.
- Reisinger, L.S.**, N. Tripp*, D. Cook, D. Drumheller, K. Fralick, B. Hayman and G. Warren. Can intensive trapping to remove a nonnative crayfish benefit an imperiled congener? *Invited oral presentation*. American Fisheries Society, August 2022, Spokane, WA.
- Bolds**, S.A. and **L.S. Reisinger**. The role of disease in the rapid expansion of an invasive crayfish. Oral Presentation. American Fisheries Society, August 2022, Spokane, WA.
- Bolds**, S.A. and **L.S. Reisinger**. Effects of a microsporidian parasite on an invasive crayfish in Florida. Oral Presentation. Joint Aquatic Sciences Meeting, May 2022, Grand Rapids, MI.
- Stratton**, C.E., J. Bojko, D. Behringer, and **L.S. Reisinger**. Can native pathogens influence invasion dynamics and mitigate impacts of invasive crayfish? *Oral Presentation*. American Fisheries Society, August 2022, Spokane, WA.
- Stratton**, C.E., J. Bojko, D. Behringer, and **L.S. Reisinger**. Investigating the influence of rusty crayfish invasion on crayfish pathogen community composition. *Oral Presentation*. Joint Aquatic Sciences Meeting, May 2022, Grand Rapids, MI.
- Kabalan**, B.A., A.J. Reisinger, L.M. Pintor, M. Scarasso, and **L.S. Reisinger**. Impacts of intraspecific variation in crayfish behavioral traits on stream ecosystem function: Field and mesocosm studies. *Oral Presentation*. Joint Aquatic Sciences Meeting, May 2022, Grand Rapids, MI.
- Wrege**, C.F., R.M. Crandall, A.J. Reisinger, S.M. Baker, **L.S. Reisinger**. Prescribed fire effects on wetland macroinvertebrate communities in southeastern pine savannas. *Oral Presentation*. Joint Aquatic Sciences Meeting, May 2022, Grand Rapids, MI.
- Wrege**, C.F., R.M. Crandall, A.J. Reisinger, S.M. Baker, **L.S. Reisinger**. Prescribed fire effects on wetland macroinvertebrate communities in southeastern pine savannas. *Oral Presentation*. Florida Association of Aquatic Biologists Annual Meeting, May 2022, Gainesville, FL.
- Reisinger, L.S.**, N. Tripp*, and J.A. Stoeckel. Metabolic rates and behavior of a widely distributed crayfish shift along a latitudinal gradient. *Oral Presentation*. Society for Freshwater Science Meeting, May 2021, Virtual.
- Tripp*, N., H. VanBuren, K. Fralick, K. Lawlor, G. Warren, and **L.S. Reisinger**. Mechanisms behind crayfish species replacements: competition between a nonnative and an imperiled crayfish. *Poster Presentation*. Society for Freshwater Science Meeting, May 2021, Virtual.

- Kabalan**, B.A., M. Scarasso, L.M. Pintor, A.J. Reisinger, and **L.S. Reisinger**. Impacts of intraspecific variation in crayfish behavioral traits on stream ecosystem function. *Oral Presentation*. Society for Freshwater Science Meeting, May 2021, Virtual.
- Stratton**, C., J. Bojko, D. Behringer, and **L.S. Reisinger**. Invasive rusty crayfish are controlled by microsporidian diseases. *Oral Presentation*. Society for Freshwater Science Meeting, May 2021, Virtual.
- Lieurance, D., D. Behringer, S. Canavan, L. Flory, A. Kendig, J. Lockwood, and **L.S. Reisinger**. A horizon scan to collaboratively identify invasive species threats to the State of Florida, USA. *Poster Presentation*. Ecological Society of America Meeting, August 2020, Virtual.
- Stratton**, C.E., J. Bojko, D.C. Behringer, and **L.S. Reisinger**. Can native pathogens influence invasion dynamics and mitigate the impacts of invasive crayfish? *Poster Presentation*. Society for Freshwater Science Meeting, May 2020, Virtual.
- Tripp*, N., B.A. Kabalan**, J. Stoeckel, and **L.S. Reisinger**. Metabolic rates and behavior of a widely distributed crayfish shift along a latitudinal gradient. *Poster Presentation*. Society for Freshwater Science Meeting, May 2020, Virtual.
- Reisinger, L.S.**, E. Collins, M.G. Glon and A. R. Mahon. Infection of invasive rusty crayfish with native parasites in the Great Lakes region. *Oral Presentation*. Ecological Society of America Meeting, August 2019, Louisville, KY.
- Reisinger, L.S.**, M.G. Glon, and L.M. Pintor. Biogeographic differences in the tradeoff between foraging and predator avoidance across native and non-native populations of two crayfish. *Oral Presentation*. Ecological Society of America Meeting, August 2018, New Orleans, LA.
- Reisinger, L.S.**, M.G. Glon, and L.M. Pintor. Biogeographic differences in the tradeoff between foraging and predator avoidance across native and non-native populations of two crayfish. *Oral Presentation*. International Association for Astacology Meeting, July 2018, Pittsburgh, PA.
- Reisinger, L.S.**, E. Collins, M.G. Glon and A. R. Mahon. Infection of invasive rusty crayfish with native parasites in the Great Lakes region. *Oral Presentation*. Society for Freshwater Science, May 2018, Detroit, MI.
- Reisinger, L.S.**, M.G. Glon, and L.M. Pintor. Divergence in life history traits during range shifts: examples from crayfish introductions. *Oral Presentation*. American Fisheries Society Meeting, August 2017, Tampa, FL.
- Reisinger, L.S.**, K.L. Pangle, M.J. Cooper, D.R. Learman, D.G. Uzarski, D.A. Woolnough, M.R. Bugaj, E.K. Burck, R.E. Dollard, A. Goetz, M. Goss, S. Gu, K. Karl, V.A. Rose, A.E. Scheunemann, R. Webster, C.R. Weldon and J. Yan. The influence of water currents on community and ecosystem dynamics in coastal Lake Michigan. *Oral Presentation*. International Association for Great Lakes Research, May 2017, Detroit, MI.
- Reisinger, L.S.**, A.K. Baldrige, K.M. Towle, D. Chan and D.M. Lodge. The influence of evolution and plasticity on the behavior of an invasive crayfish. *Oral Presentation*. Ecological Society of America Meeting, August 2016, Fort Lauderdale, FL.
- Reisinger, L.S.** and D.M. Lodge. Parasites alter freshwater communities by modifying behavior of invasive crayfish hosts. *Oral Presentation*. Ecological Society of America Meeting, August 2015, Baltimore, MD.
- Sargent, L.W.**, I. Petersen, J.S. Hing, R. Davila and D.M. Lodge. Infection with a trematode parasite differentially alters competitive interactions and antipredator behavior in native and invasive crayfishes. *Oral Presentation*. Ecological Society of America Meeting, August 2014, Sacramento, CA.
- Sargent, L.W.** and D.M. Lodge. Evolution of invasive traits in nonindigenous species: Increased survival and faster growth in invasive populations of rusty crayfish (*Orconectes rusticus*). *Oral Presentation*. Joint Aquatic Sciences Meeting, May 2014, Portland, OR.
- Sargent, L.W.**, A. Deines, and D.M. Lodge. Evolution of invasive traits in nonindigenous species: Increased survival and faster growth in invasive populations of rusty crayfish (*Orconectes*

rusticus). *Oral Presentation*. Ecological Society of America Meeting, August 2013, Minneapolis, MN.

Sargent, L.W., K. Towle, L. Callahan, and D. M. Lodge. Host manipulation by a trematode parasite (*Microphallus* sp.) favors invasive rusty crayfish (*Orconectes rusticus*) in competition with congeners. *Oral Presentation*. Ecological Society of America Meeting, August 2012, Portland, OR.

Sargent, L.W., K. Towle, D. Chan, and D.M. Lodge. A novel environment drives modification of predator avoidance behavior in invasive rusty crayfish (*Orconectes rusticus*). *Oral Presentation*. Ecological Society of America Meeting, August 2011, Austin, TX.

Sargent, L.W., S. Golladay, A. Covich, S. Opsahl, and A. Rosemond. Predicting invasion success of a lotic crayfish from physicochemical habitat variables and predator avoidance behavior. *Oral Presentation*. North American Benthological Society Meeting, May 2008, Salt Lake City, UT.

Sargent, L.W., S. Golladay, A. Covich, S. Opsahl, and A. Rosemond. Invasion success of a non-native crayfish. *Oral Presentation*. Southeastern Ecology and Evolution Conference, March 2008, Tallahassee, FL.

GRADUATE STUDENT MENTORING

Served as Major Advisor:

Bana Kabalan, Fisheries and Aquatic Sciences Graduate Program, University of Florida, May 2019 – May 2021. MS student.

Cheyenne Stratton, Fisheries and Aquatic Sciences Graduate Program, University of Florida, May 2019 – present. PhD student.

Bana Kabalan, Fisheries and Aquatic Sciences Graduate Program, University of Florida, August 2021 – present. PhD student.

Coleson Wrege, Fisheries and Aquatic Sciences Graduate Program, University of Florida, August 2021 – present. PhD student.

Sara Bolds, Interdisciplinary Ecology Graduate Program, University of Florida, August 2021 – present. PhD student.

Melanie Giangreco, Professional Fisheries and Aquatic Sciences Graduate Program, University of Florida, January 2022 – present. Master of Fisheries and Aquatic Sciences student.

Served as Committee Member:

Travis Klee, Zoology, University of Florida, PhD student.

Steven Cassidy, Zoology, University of Florida, PhD student.

Lucas Jennings, Fisheries and Aquatic Sciences, University of Florida, PhD student.

Maxine Hunter, Entomology, University of Florida, PhD student.

Marco Scarasso, Fisheries and Wildlife Science, Ohio State University, MS student.

Elizabeth Walsh, Fisheries and Aquatic Sciences, University of Florida, MS student.

Alexandra Mauer, Soil and Water Sciences, University of Florida, MS student.

Natalia Medina Irizarry, Fisheries and Aquatic Sciences, University of Florida, MS student.

Bethany Lee, Fisheries and Aquatic Sciences, University of Florida, MS student.

Sean Cooley, Professional Fisheries and Aquatic Sciences, University of Florida, Master of Fisheries and Aquatic Sciences student.

UNDERGRADUATE STUDENT MENTORING

2018-2023 Undergraduate mentoring at the University of Florida. Students that conducted independent studies: Nicole Tripp (4 credits, first author of peer-reviewed publication in *Hydrobiologia*), Dakota Holder (3 credits), Paislee Peyton (3 credits), Sabrina Castellanos (7 credits), Xiwen Wu (3 credits), Nicholas Stylianou (3 credits), Lindsey Guarisco (2 credits). Paid undergraduate technicians: Nicole Tripp, Alexis Moyle, Diana Noto, Dakota Holder,

Savannah Cantrell, Ashley Walford, Fernando Miguelena, Ashley Hrdina, Jessica Perez, Lindsey Guarisco, Brooke Andrews, Madelein Rossborough, Grace Skipper, Nix Korynta. Other undergraduate mentees: Cassie Morris, Naisha Napoleon, Ella O'Brien, Sofia Miranda, Bailey Cox, Annemarie Mueller, Lily Frierson, Julian Christian Alberto

- 2015-2017 Organized and led Central Michigan University's Undergraduate Summer Research Program. Students: Meghan Bugaj, Emma Burck, Renee Dollard, Alison Goetz, Miranda Goss, Suwen Gu, Katie Karl, Victoria Rose, Anna Scheunemann, Randall Webster, Courtney Weldon, Jilin Yan, Anna Barcala, Caroline Zabinski, Hannah Harrison, Kaitlyn McKnight, Marcos Rodriguez
- 2010-2014 Mentor for undergraduate students completing independent research projects: Garret Cogon (4 research credits), Kevin Towle (4 research credits), Joshua Morse (summer research project, first author of peer-reviewed publication in *Crustaceana*), June Shrestha (summer research project), David Chan (2 research credits), Iris Petersen (summer research project, 4 research credits), Margaret Corcoran (summer research project)
- 2010-2014 Mentor for independent research component of University of Notre Dame's Practicum in Field Environmental Biology. Students: Katie Weaver, Lauren Krickl, Lauren Callahan, Maraliz Vega-Ross (poster presentation at the 2012 Midwest Fish and Wildlife Conference), Ryan Davila, Jing Sheng Hing, Judith Lakomy, Kraig Esswein, Sarah Hogan

TEACHING EXPERIENCE

- 2021-2023 Sole instructor for Water for the Future course for undergraduate students at the University of Florida. I created this course in 2021. Taught once per year in spring.
- 2020-2023 Sole instructor for Global Change in Freshwater Ecosystems course for graduate students at the University of Florida. I created this course in 2020. Taught every other year in spring.
- 2020-2023 Instructor for Field Ecology of Aquatic Organisms course for upper-level undergraduates and graduate students at the University of Florida, co-taught with two other faculty members. Taught once per year in summer.
- 2018-2023 Sole instructor for Freshwater Ecology course for upper-level undergraduates and graduate students at the University of Florida. I created this course in 2018. Taught once per year in fall.
- 2017-2021 Guest lecture on invasive crayfish for Invasion Ecology of Aquatic Animals course at the University of Florida
- 2016 Weekly workshop on statistical analysis in R for summer undergraduate research students at Central Michigan University, co-taught with another faculty member
- 2015 Teaching assistant for Neuroscience laboratory at the University of Notre Dame
- 2012 Teaching assistant for Aquatic Ecology laboratory at the University of Notre Dame (3 years)
- 2013 Teaching assistant for Animal Behavior lecture at the University of Notre Dame
- 2009 Teaching assistant for Ecology laboratory at the University of Georgia

PEDAGOGICAL TRAINING

- 2018 Teachers College, University of Florida College of Agricultural and Life Sciences Teaching Resource Center
- 2018 First Year Faculty Teaching Academy Certificate, University of Florida Office of Faculty Development and Teaching Excellence

AWARDS

- 2021 *Ecosphere* paper was awarded the UF Office of Strategic Communications and Marketing Research Promotion Initiative Award
- 2009 Global Linkages of Biology, the Environment, and Society Fellowship, NSF-IGERT Traineeship grant
- 2009 Clare Boothe Luce Presidential Fellowship

PROFESSIONAL EXPERIENCE AND SERVICE

- 2022-present Member of the University of Florida Invasion Science Research Institute advisory group
- 2018-present Associate Editor, Management of Biological Invasions
- 2023 Presentation about invasive crayfish impacts and the role of parasites in north temperate lakes at the Voigt Intertribal Task Force Meeting to representatives from 10 Ojibwe Tribes
- 2022 Advised a high school student from Holy Trinity Episcopal Academy in Melbourne, Florida on an AP research project on the traits of invasive species
- 2021 Led a virtual crayfish identification workshop for Wisconsin Department of Natural Resources employees
- 2021 Led a virtual activity for the Scientist in Every Florida School Program for 6 classrooms of 3rd – 5th graders focused on behavioral studies and observation bias
- 2020 Led a crayfish identification workshop for Camp Blanding Joint Training Center staff and Florida Fish and Wildlife Conservation Commission scientists
- 2020 Assigned model inputs for the development of a crayfish invasiveness risk assessment model for a project led by the US Fish and Wildlife Service
- 2020 Created a module focused on invertebrates in storm water ponds for the University of Florida Healthy Ponds Certification Program. This module is a permanent part of the program.
- 2018 Newsletter article for Florida LAKEWATCH focused on crayfish ecology
- 2015-2016 Presentations for the general public about invasive crayfish research at open houses for Central Michigan University Biological Station
- 2012-2013 Presentations for the general public about invasive crayfish research at open houses for Trout Lake Research Station

POPULAR PRESS INTERVIEWS

Invasive crayfish are dying in the Midwest. Could a fungus be the cause? September 27, 2021. <https://www.nationalgeographic.com/animals/article/why-invasive-crayfish-are-dying-off-in-the-midwest>. This National Geographic article focuses on the potential causes of invasive crayfish declines in Wisconsin, including research in my lab focused on crayfish pathogens.

The Naked Scientists: Crayfish become bolder on antidepressants. June 22, 2021. <https://www.thenakedscientists.com/articles/interviews/crayfish-become-bolder-antidepressants>. I was interviewed for The Naked Scientists podcast about my research focused on the impacts of pharmaceuticals on crayfish behavior. The interview also aired on BBC Radio Cambridgeshire and BBC 5 live on 6/20/2021.

Science Friday: Marijuana and medicine, cephalopod week, environmental antidepressants. June 18, 2021. <https://www.wnycstudios.org/podcasts/science-friday/segments/marijuana-and-medicine-cephalopod-week-environmental-antidepressants-june-18-2021-part-1>. I was interviewed for the NPR podcast *Science Friday* about my research focused on the impacts of pharmaceuticals on crayfish behavior. This podcast averages more than 1.8 million listeners per week.

Antidepressants in waterways may make crayfish bolder, increasing risk of predation. June 15, 2021. <https://www.nationalgeographic.com/animals/article/antidepressant-pollution-in-water-may-make-crayfish-bolder>. This National Geographic Article represents one of at least 63 news articles from 51 local, national, and international outlets focused on my 2021 publication in *Ecosphere* (specific details available at <https://www.altmetric.com/details/107676824/news>).

COMMUNICATIONS TRAINING

GLOBES policy training module: communicating science to policymakers

GLOBES policy training module in Washington, DC

GLOBES media training module: communicating science to the media

JOURNAL REVIEWER

Oecologia, Canadian Journal of Zoology, Aquatic Invasions, Scientific Reports, Journal of Parasitology, Hydrobiologia, Biological Invasions, Freshwater Biology, NeoBiota, Journal of Animal Ecology, Ecological Applications

PROFESSIONAL MEMBERSHIPS

Society for Freshwater Science

Ecological Society of America

International Association of Astacology