

Lucas P. Griffin
Curriculum Vitae

Department of Integrative Biology
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EDUCATION

- Ph.D. Intercampus Marine Science Graduate Program, UMass, Amherst 2019
M.Sc. Intercampus Marine Science Graduate Program, UMass, Amherst, 2016
B.S. Marine Biology, College of Charleston, 2013

PROFESSIONAL EXPERIENCE

- August 2024 Assistant Professor, Dept. of Integrative Biology, University of South Florida
2019-2024 Postdoctoral Research Associate, Dept. of Environmental Conservation,
UMass, Amherst.
Advisors: Dr. Andy Danylchuk (UMass) & Dr. Steven Cooke (Carleton
University)

PUBLICATIONS (co-lead co-first author; * supervisory anchor author)

Peer Reviewed Journal Articles (40, citations 720, h-index 17, i10-index 25)

- in-press van Zinnicq Bergmann, M. P. M., **Griffin, L. P.**, Bodey, T. W., Aarts, G.,
Guttridge, T. L., Heithaus, M. R., Smukall, M. J., Gruber, S. H., Papastamatiou,
Y. P. Intraguild processes drive space-use patterns in a large-bodied marine
predator community. *Journal of Animal Ecology*.
- 2024 **Griffin, L. P.** co-lead, Hollema, H. M. co-lead, Kneebone, J., McCormick, S. D.,
Skomal, G. B., Danylchuk, A. J. Physical injury, physiological stress, and
behavior impairment of striped bass (*Morone saxatilis*) after catch-and-release by
spin and fly angling. *Fisheries Management and Ecology*, e12703.
- 2024 Casselberry, G. A., Skomal, G. B., Griffin, L. P., Brownscombe, J. W., Filous, A.,
Holder, P. E., Dello Russo, J., Morgan, C., Kneebone, J., Adams, A. J., Cooke, S.
J., Danylchuk, A. J. Depredation rates and spatial overlap between Great
Hammerhead Sharks (*Sphyrna mokarran*) and Atlantic Tarpon (*Megalops*

atlanticus) in a recreational fishing hotspot. *Marine and Coastal Fisheries*. 16:e10277.

- 2023 Lennox, R. J., Whoriskey, F. G., Verhelst, P., Vandergoot, C. S., Soria, M., Reubens, J., Rechisky, E. L., Power, M., Murray, T., Mulder, I., Markham, J. L., Lowerre-Barbieri, S. K., Lindley, S. T., Knott, N. A., Kessel, S. T., Iverson, S., Huveneers, C., Heidemeyer, M., Harcourt, R., **Griffin, L. P.**, Friess, C., Filous, A., Fetterplace, L. C., Danylchuk, A. J., Daly, R., Cowley, P., Cooke, S. J., Chavez, E. J., Blaison, A., Whoriskey, K.. Globally coordinated acoustic aquatic animal tracking reveals unexpected, ecologically important movements across oceans, lakes, and rivers. *Ecography*. e06801. <https://doi.org/10.1111/ecog.06801>.
- 2023 **Griffin, L. P.**, Brownscombe, J. W., Adams, A. J., Wilson, J. K., Casselberry, G. A., Holder, P. E., Filous, A., Lowerre-Barbieri, S. K., Cooke, S. J., Danylchuk, A. J. Individual variation and repeatability of Atlantic tarpon *Megalops atlanticus* Migrations in the southern United States: implications for conservation and management, *Marine Biology*. 170, 168. <https://doi.org/10.1007/s00227-023-04311-3>.
- 2023 **Griffin, L. P.**, Casselberry, G. A., Markowitz, E. M., Brownscombe, J. W., Adams, A. J., Horn, B., Cooke, S. J., and Danylchuk, A. J. Angler and guide perceptions provide insights into the status and threats of the Atlantic tarpon (*Megalops atlanticus*) fishery. *Marine Policy*, 151, 105569. <https://doi.org/10.1016/j.marpol.2023.105569>.
- 2023 Piczak, M., Cooke, S. J., Adams, A. J., **Griffin, L. P.**, Danylchuk, A. J., Brownscombe, J. W. Permit (*Trachinotus falcatus*) fishing quality and conservation threats in the Florida Keys: An angler and fishing guide survey. *Gulf and Caribbean Research*, 34(1), 1-12. <https://doi.org/10.18785/gcr.3401.03>.
- 2023 Danylchuk, A. J.^{co-lead}, **Griffin, L. P.**^{co-lead}, Ahrens, R., Allen, M. S., Boucek, R. E., Brownscombe, J. W., Casselberry, G. A., Danylchuk, S. C., Filous, A., Goldberg, T. L. and Perez, A. U. Cascading effects of climate change on recreational marine flats fishes and fisheries. *Environmental Biology of Fishes*, 106, 381-416. <https://doi.org/10.1007/s10641-022-01333-6>.
- 2023 Brownscombe, J. W., **Griffin, L. P.**, Morley, D., Acosta, A., Boucek, R., Adams, A. J., Danylchuk, A. J. and Cooke, S. J. Spatial-temporal patterns of Permit (*Trachinotus falcatus*) habitat residency in the Florida Keys, USA. *Environmental Biology of Fishes*, 106, 419-431. <https://doi.org/10.1007/s10641-022-01332-7>.
- 2023 **Griffin, L. P.**, Friess, C., Bakenhaster, M. D. Bassos-Hull K., Burnsed S. W., Brownscombe, J. W., Cooke, S. J., Ellis, R. D., Gardiner, J. M., Locascio, J. Lowerre-Barbieri, S., Poulakis, G. R., Wiley, T. R., Wilkinson, K. A., Wilson, J. K., Wooley, A. K., Adams, A. J., Danylchuk, A. J. Assessing the potential for red tide (*Karenia brevis*) algal bloom impacts on Atlantic tarpon (*Megalops atlanticus*) along the southwestern coast of Florida. *Environmental Biology of Fishes*, 106, 255-273. <https://doi.org/10.1007/s10641-022-01324-7>.

- 2023 **Griffin, L. P.**, Brownscombe, J. W., Gagné, T. O., Haak, R. C., Cromier, R., Becker, S. L., Cooke, S. J., Finn, J. T., Danylchuk, A. J. There's no place like home: high site fidelity and small home range of bonefish (*Albula vulpes*) inhabiting fringing reef flats in Culebra, Puerto Rico. *Environmental Biology of Fishes*, 106, 433-447. <https://doi.org/10.1007/s10641-022-01312-x>.
- 2022 Cooke, S. J., Bergman, J. N., Twardek, W. M., Piczak, M. L., Casselberry, G. A., Lutek, K., Dahlmo, L. S., Birnie-Gauvin, K., **Griffin, L. P.**, Brownscombe, J. W., Raby, G. D., Standen, E. M., Horodysky, A. Z., Johnsen, S., Danylchuk, A. J., Furey, N. B., Gallagher, A. J., Lédée, E. J. I., Midwood, J. D., Gutowsky, L. F. G., Jacoby, D. M. P., Matley, J. K., Lennox R. J. The movement ecology of fishes. *Journal of Fish Biology*, 101(4), 756-779. <https://doi.org/10.1111/jfb.15153>.
- 2022 **Griffin, L. P.**, Fordham, G., Curd, G., Narty, C., Adam, P. A., Brownscombe, J. W., Cooke, S. J., Danylchuk, A. J. Short-term response of giant trevally (*Caranx ignobilis*) to capture and handling in a catch-and-release fly fishing recreational fishery, Republic of the Seychelles, Western Indian Ocean. *Fisheries Research*, 252, 106337. <https://doi.org/10.1016/j.fishres.2022.106337>.
- 2022 **Griffin, L. P.**^{co-lead}, Casselberry, G. A.^{co-lead}, Lowerre-Barbieri, S. K., Acosta, A., Adams, A. J., Cooke, S. J., Filous, A., Friess, C., Guttridge, T. L., Hammerschlag, N., Heim, V., Morley, D., Rider, M. J., Skomal, G. B., Smukall, M. J., Danylchuk, A. J., Brownscombe, J. W. Predator-prey landscapes of large sharks and game fishes in the Florida Keys. *Ecological Applications*, 32(5), e2584. <https://doi.org/10.1002/eap.2584>.
- 2022 Brownscombe, J. W., **Griffin, L. P.**, Brooks, J. L., Danylchuk, A. J., Cooke, S. J., Midwood, J. D. Applications of telemetry to fish habitat science and management. *Canadian Journal of Fisheries and Aquatic Sciences*, 99(999), 1-13. <https://doi.org/10.1002/eap.2584>.
- 2022 Cooke, S. J., LaRochelle, L., Danylchuk, A. J., Danylchuk, S. C., **Griffin, L. P.*** Influence of hook barbs on the “through-the-gill” hook removal method for deeply hooked Smallmouth Bass. *Fisheries Research*, 251, 106322. <https://doi.org/10.1016/j.fishres.2022.106322>.
- 2022 **Griffin, L. P.**, Brownscombe, J. W., Adams, A. J., Holder, P. E., Filous, A., Casselberry, G. A., Wilson, J. K., Boucek, R. E., Lowerre-Barbieri, S. K., Acosta, A., Morely, D., Cooke, S. J., Danylchuk, A. J. Seasonal variation in the phenology of Atlantic Tarpon (*Megalops atlanticus*) in the Florida Keys: migration, occupancy, repeatability, and management implications. *Marine Ecology Progress Series*, 684, 133-155. <https://doi.org/10.3354/meps13972>.
- 2022 Brownscombe, J. W., Shipley, O. N., **Griffin, L. P.**, Morley, D., Acosta, A., Adams, A. J., Boucek, R., Danylchuk, A. J., Cooke, S. J., Power, M., Application of telemetry and stable isotope analyses to inform the resource ecology and management of a marine fish. *Journal of Applied Ecology*. 59, 1110-1121. <https://doi.org/10.1111/1365-2664.14123>.

- 2021 Lowerre-Barbieri, S., Friess, C., **Griffin, L. P.**, Morley, D., Skomal, G., Bickford, J., Hammerschlag, N., Rider, M., Smukall, M., van Zinnicq Bergmann, M. P. M., Guttridge, T., Kroetz, A., Grubbs, D., Gervasi, C. L., Rehage, J. S., Poulakis, G. R., Bassos-Hull, K., Gardiner, J., Casselberry, G., Young, J., Perkinson, M., Abercrombie, D., Addis, D., Block, B., Acosta, A., Adams, A., Danylchuk, A., Cooke, S., Whoriskey, F., Brownscombe, J. W. Movescapes and eco-evolutionary movement strategies in marine fish: assessing a connectivity hotspot. *Fish and Fisheries*. 22(6), 1321-1344. <https://doi.org/10.1111/faf.12589>.
- 2021 **Griffin, L. P.**, Adam, P. A., Fordham, G., Curd, G., McGarigal, C., Narty, C., Nogues, J., Rose-Innes, R., Vd Merwe, D., Clark Danylchuk, S., Cooke, S. J., Danylchuk, A. J. Cooperative monitoring program for a catch-and-release recreational fishery in the Alphonse Island Group, Seychelles: from data deficiencies to the foundation for science and management. *Ocean & Coastal Management*, 210, 105681. <https://doi.org/10.1016/j.ocecoaman.2021.105681>.
- 2021 **Griffin, L. P.**, Casselberry, G. A., Hart, K. M., Jordaan, J., Becker, S. L., Novak, A. J., DeAngelis, B. M., Pollock, C. G., Lundgren, I., Hillis-Starr, Z., Danylchuk, A. J., Skomal, G.B. A novel framework to predict relative habitat selection in aquatic systems: applying machine learning and resource selection functions to acoustic telemetry data from multiple shark species. *Frontiers in Marine Science*, 8, 631262. <https://doi.org/10.3389/fmars.2021.631262>
- 2021 Friess, C., Lowerre-Barbieri, S. K., Poulakis, G. R., Hammerschlag, N., Gardiner, J. M., Kroetz, A. M., ... & **Griffin, L. P.*** Regional-scale variability in the movement ecology of marine fishes revealed by an integrative acoustic tracking network. *Marine Ecology Progress Series*, 663, 157-177. <https://doi.org/10.3354/meps13637>
- 2021 Gallagher, A. J., Shipley, O. N., van Zinnicq Bergmann, M. P. M., Brownscombe, J. W., Dahlgren, C. P., Frisk, M. G., **Griffin, L. P.**,... & Duarte, C. M. Spatial Connectivity and Drivers of Shark Habitat Use Within a Large Marine Protected Area in the Caribbean, The Bahamas Shark Sanctuary. *Frontiers in Marine Science*., 7, 608848. <https://doi.org/10.3389/fmars.2020.608848>.
- 2020 Brownscombe, J. W., **Griffin, L. P.**, Morley, D., Acosta, A., Hunt, J., Lowerre-Barbieri, S. K., ... & Cooke, S. J. Application of machine learning algorithms to identify cryptic reproductive habitats using diverse information sources. *Oecologia*, 194: 283-298. <https://doi.org/10.1007/s00442-020-04753-2>.
- 2020 **Griffin, L. P.**, Smith, B. J., Cherkiss, M. S., Crowder, A. G., Pollock, C. G., Hillis-Starr, Z., ... & Hart, K. M. Space use and relative habitat selection for immature green turtles within a Caribbean marine protected area. *Animal Biotelemetry*, 8(1), 22. <https://doi.org/10.1186/s40317-020-00209-9>.
- 2020 Filous, A., Friedlander, A. M., **Griffin, L. P.**, Lennox, R. J., Danylchuk, A. J., Mereb, G., & Golbuu, Y. Movements of juvenile yellowfin tuna (*Thunnus albacares*) within the coastal FAD network adjacent to the Palau National Marine

- Sanctuary: Implications for local fisheries development. *Fisheries Research*, 230, 105688. <https://doi.org/10.1016/j.fishres.2020.105688>.
- 2020 Dunn, C. D., Campbell, L. J., Wallace, E. M., Danylchuk, A. J., Cooke, S. J., Shultz, A. D., Black, B.D., Brownscombe, J.W., **Griffin, L.P.**, ... & Goldberg, T. L. Bacterial communities on the gills of bonefish (*Albula vulpes*) in the Florida Keys and The Bahamas show spatial structure and differential abundance of disease-associated bacteria. *Marine Biology*, 167, 85. <https://doi.org/10.1007/s00227-020-03698-7>.
- 2020 Holder, P. E., **Griffin, L. P.**, Adams, A. J., Danylchuk, A. J., Cooke, S. J., & Brownscombe, J. W. Stress, predators, and survival: Exploring permit (*Trachinotus falcatus*) catch-and-release fishing mortality in the Florida Keys. *Journal of Experimental Marine Biology and Ecology*, 524, 151289. <https://doi.org/10.1016/j.jembe.2019.151289>.
- 2019 Brownscombe, J. W., **Griffin, L. P.**, Morley, D., Acosta, A., Hunt, J., Lowerre-Barbieri, S. K., ... & Cooke, S. J. Seasonal occupancy and connectivity amongst nearshore flats and reef habitats by permit *Trachinotus falcatus*: considerations for fisheries management. *Journal of Fish Biology*, 96(2), 469-479. <https://doi.org/10.1111/jfb.14227>.
- 2019 Brownscombe, J. W., **Griffin, L. P.**, Chapman, J. M., Morley, D., Acosta, A., Crossin, G. T., ... & Danylchuk, A. J. A practical method to account for variation in detection range in acoustic telemetry arrays to accurately quantify the spatial ecology of aquatic animals. *Methods in Ecology and Evolution*, 11(1), 82-94. <https://doi.org/10.1111/2041-210X.13322>.
- 2019 **Griffin, L.P.**, Finn, J. T., Diez, C., Danylchuk, A. J. Movements, connectivity, and space use of immature green turtles within coastal habitats, Culebra, Puerto Rico: implications for conservation. *Endangered Species Research*, 40, 75-90. <https://doi.org/10.3354/esr00976>.
- 2019 Brownscombe, J. W., Adams, A. J., Young, N., **Griffin, L. P.**, Holder, P. E., Hunt, J., ... & Danylchuk, A. J. Bridging the knowledge-action gap: A case of research rapidly impacting recreational fisheries policy. *Marine Policy*, 104, 210-215. <https://doi.org/10.1016/j.marpol.2019.02.021>
- 2019 **Griffin, L. P.**, Haak, C. R., Brownscombe, J. W., Griffin, C. R., & Danylchuk, A. J. A comparison of juvenile bonefish diets in Eleuthera, The Bahamas, and Florida, US. *Environmental biology of fishes*, 102(2), 147-157.
- 2019 Brownscombe, J. W., **Griffin, L. P.**, Gagne, T. O., Haak, C. R., Cooke, S. J., Finn, J. T., & Danylchuk, A. J. Environmental drivers of habitat use by a marine fish on a heterogeneous and dynamic reef flat. *Marine biology*, 166, 18. <https://doi.org/10.1007/s00227-018-3464-2>.
- 2019 **Griffin, L. P.**, Griffin, C. R., Finn, J. T., Prescott, R. L., Faherty, M., Still, B. M., & Danylchuk, A. J. Warming seas increase cold-stunning events for Kemp's

ridley sea turtles in the northwest Atlantic. *PloS one*, *14*(1), e0211503.
<https://doi.org/10.1371/journal.pone.0211503>.

- 2018 **Griffin, L. P.**, Brownscombe, J. W., Adams, A. J., Boucek, R. E., Finn, J. T., Heithaus, M. R., ... & Danylchuk, A. J. Keeping up with the Silver King: Using cooperative acoustic telemetry networks to quantify the movements of Atlantic tarpon (*Megalops atlanticus*) in the coastal waters of the southeastern United States. *Fisheries Research*, *205*, 65-76.
<https://doi.org/10.1016/j.fishres.2018.04.008>.
- 2018 Chapman, D. A., Gagne, T. O., Ovitz, K. L., **Griffin, L. P.**, Danylchuk, A. J., & Markowitz, E. M. (2018). Modeling intentions to sanction among anglers in a catch-and-release recreational fishery for golden dorado (*Salminus brasiliensis*) in Salta, Argentina. *Human dimensions of wildlife*, *23*(4), 391-398.
<https://doi.org/10.1080/10871209.2018.1429034>.
- 2017 **Griffin, L. P.**, Brownscombe, J. W., Gagné, T. O., Wilson, A. D., Cooke, S. J., & Danylchuk, A. J. Individual-level behavioral responses of immature green turtles to snorkeler disturbance. *Oecologia*, *183*(3), 909-917.
<https://doi.org/10.1007/s00442-016-3804-1>.
- 2017 Gagne, T. O., Ovitz, K. L., **Griffin, L. P.**, Brownscombe, J. W., Cooke, S. J., & Danylchuk, A. J. Evaluating the consequences of catch-and-release recreational angling on golden dorado (*Salminus brasiliensis*) in Salta, Argentina. *Fisheries research*, *186*, 625-633. <https://doi.org/10.1016/j.fishres.2016.07.012>.
- 2015 Brownscombe, J. W., **Griffin, L. P.**, Gagne, T., Haak, C. R., Cooke, S. J., & Danylchuk, A. J. Physiological stress and reflex impairment of recreationally angled bonefish in Puerto Rico. *Environmental Biology of Fishes*, *98*, 2287-2295.
<https://doi.org/10.1007/s10641-015-0444-y>.

Manuscripts In Submission

- In-review **Griffin, L. P.**, Fordham, G., Curd, G., Adam, P. A., Narty, C., Rose-Innes, R., Vd Merwe, D., Brighton, B., Clark Danylchuk, S., McGarigal, C., Allen, A. W., Cooke, S. J., Danylchuk, A. J. Beyond the hook: Do angler-fish interactions in a catch-and-release recreational fishery modify fish behavior and spatial ecology? Submitted to: *Canadian Journal of Fisheries and Aquatic Sciences*.

FELLOWSHIPS & AWARDS

- 2024-2025 Fulbright U.S. Scholar Program. Deakin University, Victoria, Australia.
- 2023 Early Career Researcher Excellence Award, 10th World Recreational Fisheries Conference, Melbourne, Australia.
- 2019 Best Oral Presentation, Life Science Graduate Research Symposium, UMass
- 2019 Supporting Open Access Research Award, UMass, \$900

- 2017 Ferguson Fellowship International Gulf of Mexico Student Workshop, Harte Research Institute, Cuba
- 2016 Best M.Sc. Oral Presentation, Life Science Graduate Research Symposium, UMass
- 2015 Best Oral Presentation, Life Science Graduate Research Symposium, UMass
- 2013 Richard Cronin Fisheries Research Fund Award, \$500

GRANTS (Total \$730,460, * lead)

- 2023 *Co-PI: “Giant Trevally Mark-and-Recapture in the Alphonse Group,” Alphonse Island Foundation, \$20,225
- 2022 *Co-PI: “The King’s Banquet: Quantifying the connection between Atlantic tarpon and forage fish prey sources for conservation and management,” Bonefish & Tarpon Trust, \$425,000
- 2021 Co-PI: “Stripers On The Line: Quantifying short-term post-release activity, behavior, and mortality of striped bass (*Morone saxatilis*) in the Massachusetts recreational fishery,” Woods Hole Sea Grant, \$188,417
- 2021 Co-PI: “Space Use, movement, and physiological response to catch-and-release recreational angling of milkfish (*Chanos chanos*) and the habitat-dependent response of bonefish (*Albula glossodonta*) to catch-and-release recreational angling in the Seychelles,” Alphonse Foundation, \$48,006
- 2020 Co-PI: “Alphonse Underwater Tracking Observatory: establishment of long-term acoustic telemetry array in the Seychelles,” Alphonse Island Foundation, \$45,812
- 2019 *PI: “Travel Grant,” International Sea Turtle Society, \$500
- 2018 *PI: “Travel Grant,” Department of Environmental Conservation Travel Grant, \$500
- 2015 *Co-PI: Puerto Rico green turtle ecology and conservation research project,” Allen Family Foundation Grant, \$15,000
- 2014 *PI: “Travel Grant,” Department of Environmental Conservation, \$500

INVITED TALKS

- 2023 The migratory secrets of the Silver King for better conservation. Uppsala University, Gotland, Sweden. Oct 8.
- 2020 Behavioral ecology & conservation of three marine vertebrates across multiple scales. Carleton University Seminar Series, Ottawa, Canada. Jan 31.
- 2019 Warming seas increase cold-stunning events for Kemp’s ridley sea turtles in the northwest Atlantic. NOAA Southwest Fisheries Science Center, La Jolla, California. Mar 13.

2016 Keeping up with the Silver King. Invited Grice Marine Laboratory Seminar Series, College of Charleston, Charleston, South Carolina. Sept 15.

CONFERENCE ACTIVITY

Oral Presentations

- 2024 **Griffin, L. P.**, Shipley, O. N., Power, M., Dello Russo, J., Brownscombe, J. W., Adams, A. J., Wilson, J. K., Cooke, S. J., Danylchuk, A. J. Quantifying migrant fish-prey connections in marine ecosystems using a resource landscape approach. 9th World Fisheries Congress. Seattle, WA. Mar 3-9.
- 2024 **Griffin, L. P.**, Fordham, G., Curd, G., Narty, C., Rose-Innes, K., Vd Merwe, D., Clark Danylchuk, S., Cooke, S. J., Danylchuk, A. J. Integrating stakeholder engagement for sustainable catch-and-release fisheries: lessons from Alphonse Island, Seychelles. 9th World Fisheries Congress. Seattle, WA. Mar 3-9.
- 2024 **Griffin, L. P.**, Brownscombe, J. W., Cooke, S. J., Adams, A. J., Danylchuk, A. J. The fundamental and applied ecological findings from tracking migratory Atlantic tarpon. FACT Meeting, St. Augustine, FL. Jan 15-18.
- 2023 **Griffin, L. P.**, Fordham, G., Curd, G., Narty, C., Rose-Innes, K., Vd Merwe, D., Clark Danylchuk, S., Cooke, S. J., Danylchuk, A. J. Capacity building in a catch-and-release fishery in the Alphonse Island Group, Seychelles through angler stewardship and scientific knowledge co-production. 10th World Recreational Fishing Conference. Melbourne, Australia. Feb 20-22.
- 2023 **Griffin, L. P.**, Brownscombe, J. W., Cooke, S. J., Adams, A. J., Danylchuk, A. J. Saving the Silver King: using long-term tracking and novel analytics to inform management needs of Atlantic tarpon (*Megalops atlanticus*). 10th World Recreational Fishing Conference. Melbourne, Australia. Feb 20-22.
- 2022 **Griffin, L. P.**, Holder, P. E., Adams, A. J., Danylchuk, A. J., Cooke, S. J., Brownscombe, J. W. Stress, predators, and survival: Exploring permit (*Trachinotus falcatus*) catch-and-release fishing mortality in the Florida Keys. 7th International Science Symposium & Flats Expo. Palm Beach, FL. Nov 4-5.
- 2022 **Griffin, L. P.**, Brownscombe, J. W., Wilson, J. K., Holder, P. E., Filous A., Adams, A. J., Cooke, S. J., Danylchuk, A. J. Crossing the Line: how multi-year trends in the movement patterns of Atlantic tarpon (*Megalops atlanticus*) indicate the need for cooperative management in the Southeastern USA and Gulf of Mexico. 7th International Science Symposium & Flats Expo. Palm Beach, FL. Nov 4-5.
- 2021 **Griffin, L. P.**, Casselberry, G. A., Lowerre-Barbieri, S. K., Acosta, A., Adams, A. J., Cooke, S. J., Filous, A., Friess, C., Guttridge, T. L., Hammerschlag, N., Heim, V., Morley, D., Rider, M. J., Skomal, G. B., Smukall, M. J., Danylchuk, A. J., Brownscombe, J. W. Predator-prey landscapes of large sharks and game fishes in the Florida Keys. 151st American Fisheries Society. Baltimore, MD. Nov 6-10. virtual.

- 2021 **Griffin, L. P.**, Adam, P.A., Fordham, G., Curd, G., McGarigal, C., Narty, C., Nogues, J., Rose-Innes, R., Vd Merwe, D., Clark Danylchuk, S., Cooke, S.J., Danylchuk, A.J. Cooperative monitoring program for a catch-and-release recreational fishery in the Outer Islands of the Seychelles. 151st American Fisheries Society. Baltimore, MD. Nov 6-10. virtual.
- 2021 **Griffin, L. P.**, Casselberry, G. A., Lowerre-Barbieri, S. K., Acosta, A., Adams, A. J., Cooke, S. J., Filous, A., Friess, C., Guttridge, T. L., Hammerschlag, N., Heim, V., Morley, D., Rider, M. J., Skomal, G. B., Smukall, M. J., Danylchuk, A. J., Brownscombe, J. W. Predator-prey landscapes of large sharks and game fishes in the Florida Keys. 7th International Bio-Logging Science Symposium. Oct 18-22. virtual.
- 2021 **Griffin, L.P.**, Adam, P.A., Fordham, G., Curd, G., McGarigal, C., Narty, C., Nogues, J., Rose-Innes, R., Vd Merwe, D., Clark Danylchuk, S., Cooke, S.J., Danylchuk, A.J. To fish or not to fish: giant trevally management informed by stakeholder engagement, post-release activity, and spatial ecology. World Recreational Fishing Conference. Jun 28-30. virtual.
- 2019 **Griffin, L.P.**, Griffin, C. R., Finn, J. T., Prescott, R. L., Faherty, M., Still, B. M., & Danylchuk, A. J. Warming seas increase cold-stunning events for Kemp's ridley sea turtles in the northwest Atlantic. International Sea Turtle Symposium. Charleston, SC. Feb 2-8.
- 2018 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Cooke, S. J., & Danylchuk, A. J. Keeping Up with the Silver King: Connecting the Spatial Ecology of Atlantic Tarpon (*Megalops atlanticus*) To Conservation Strategies. 71 Gulf and Caribbean Fisheries Institute. San Andres, Colombia. Nov 5-9.
- 2018 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Cooke, S. J., & Danylchuk, A. J. Advancing Recreational Fisheries Conservation Through Acoustic Telemetry in Florida and Across the Southeastern USA. Mar Cuba. Havana. Oct 15-19.
- 2018 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Cooke, S. J., & Danylchuk, A. J. Connecting the spatial ecology of Atlantic tarpon and permit to conservation strategies. Bahamas Natural History Conference. Nassau. Mar 19-22.
- 2017 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Cooke, S. J., & Danylchuk, A. J. The Silver King Acoustic Telemetry Network: Tracking Atlantic Tarpon across the Gulf of Mexico and the Western Atlantic. World Recreational Fishing Conference. Victoria, Canada. Jul 16-20.
- 2017 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Boucek, R., Cooke, S. J., & Danylchuk, A. J. Movement Patterns and Connectivity of Atlantic Tarpon in the Gulf of Mexico and Western Atlantic using Acoustic Telemetry. 6th International Bonefish & Tarpon Trust Symposium. Weston, FL. Nov 10-12.
- 2017 **Griffin, L.P.**, Adams, A. J., Brownscombe, J. W., Boucek, R., Cooke, S. J., & Danylchuk, A. J. Movement Patterns and Connectivity of Atlantic Tarpon in the

Gulf of Mexico and Western Atlantic using Acoustic Telemetry. American Fisheries Society. Tampa Bay, FL. Aug 20-24.

- 2015 **Griffin, L. P.**, Brownscombe, J. W., Gagné, T. O., Wilson, A. D. M., & Danylchuk, A. J. Individual-level behavioral responses of immature green turtles to snorkeler disturbance. UMass Intercampus Marine Science Graduate Symposium. Dartmouth, MA. Apr 11.

Poster Presentations

- 2014 **Griffin, L. P.**, Diez, C., Finn J. T., Griffin, C. R., & Danylchuk, A. J. Spatial ecology of immature and subadult green turtles in Culebra, Puerto Rico: Preliminary Results. 34th International Sea Turtle Symposium. New Orleans, LA. Apr 10-17.

Panel Participation

- 2022 Tarpon Expert Panel. 7th International Bonefish & Tarpon Trust Science Symposium & Flats Expo. Palm Beach, FL. Nov 4-5.
- 2021 Application of resource selection functions and acoustic telemetry. Twenty Twenties of Telemetry Panel, 9th Ocean Tracking Symposium. Halifax, Nova Scotia, Canada. Nov15-16. virtual.
- 2017 Tarpon Expert Panel. 6th International Bonefish & Tarpon Trust Symposium. Weston, FL. Nov 10-12.

Workshops Organized

- 2022 Acoustic telemetry: a rapidly emerging tool for marine conservation and management. Workshop (3 hour) at University of Seychelles. Co-organized with Danylchuk A. J.

CAMPUS TALKS

- 2019 **Griffin, L.P.**, Griffin, C. R., Finn, J. T., Prescott, R. L., Faherty, M., Still, B. M., & Danylchuk, A. J. Warming seas increase cold-stunning events for Kemp's ridley sea turtles in the northwest Atlantic. UMass, Environmental Conservation Symposium. Amherst. Jan 24-25.
- 2015 **Griffin, L. P.**, Brownscombe, J. W., Gagné, T. O., Wilson, A. D. M., & Danylchuk, A. J. Individual-level behavioral responses of immature green turtles to snorkeler disturbance. UMass Life Sciences Graduate Research Symposium. Amherst, MA. Nov 20.

TEACHING EXPERIENCE

University of Massachusetts Amherst, Teaching Assistant

Introduction to Environmental Science 101 (spring 2014/2015/2016)

Fisheries Ecology & Conservation (spring 2015/2016)

Fish Ecology (spring 2014)
Evolution and Conservation (spring 2014)
Sustainable Aquaculture (spring 2014)

Cape Eleuthera Institute, Eleuthera, Bahamas, High School Instructor

Introduction and principles of coastal ecology (summer 2011/2012/2013)

STUDENT SUPERVISION

Mentor (B.S.), (two students) “Promoting Knowledge Transfer in Recreational Fishing through Digital Medium,” UMass Amherst, 2023.

Committee (M.S.), “Evaluating regulation adherence from whale shark (*Rhincodon typus*) ecotourism ventures via drones,” UMass Amherst, 2023-present.

Committee (M.S.), “Catch-and-release handling and post-release mortality assessment of striped bass (*Morone saxatilis*),” UMass Amherst, 2023-present.

Mentor (B.S.), “Evaluating potential habituation behaviors of recreational sport fish using telemetry,” UMass Amherst, 2023.

Committee (Ph.D.), “Using Single Species Studies to Provide Support for Ecosystem Based Management: An Example From Hogfish (*Lachnolaimus maximus*) in the Florida Keys, USA,” UMass Amherst, 2021-present.

Mentor, Focus: Sea turtle cold-stunning events. Hampton Bays High School 2020-present.

Mentor (Ph.D.), “Habitat selection for multiple shark species surrounding Bimini Island, The Bahamas,” Florida International University, 2020-2021.

Committee (M.S.). “Evaluating the Use of Acoustic Telemetry for Tracking Fine-scale Movement Patterns of Permit (*Trachinotus falcatus*),” UMass Amherst, 2019-2022.

Mentor (B.S.), “Evaluating thermal preferences of Atlantic tarpon (*Megalops atlanticus*),” Georgetown University, 2021.

Mentor (B.S.), “Capturing and tagging great hammerheads (*Sphyrna mokarran*)” UMass Amherst, 2021.

Mentor (B.S.), “Evaluating migratory patterns of Atlantic tarpon (*Megalops atlanticus*),” UMass Amherst, 2018.

Mentor (B.S.), (four students) “Evaluating regulation adherence from whale shark (*Rhincodon typus*) ecotourism ventures via drones,” UMass Amherst, 2017.

Mentor (B.S.), “Collecting acoustic telemetry data,” UMass Amherst, 2016.

RESEARCH EXPERIENCE

2016-2019 Graduate Research Assistant for Dr. Andy Danylchuk, UMass Amherst
Coordinated and led Atlantic tarpon acoustic telemetry research project across Gulf of Mexico and Eastern Seaboard.

2011-2013 Research Assistant, Cape Eleuthera Institute, The Bahamas

Coordinated juvenile bonefish collection and processing.

PROFESSIONAL SERVICE

To University

Justice, Equity, Diversity, Inclusion, Accessibility, post-doctorate representative, 2023-present.
Quantitative Science Group, 2023-present.
Departmental Mentoring Program, 2023-present.

Peer Review

Guest Editor. Special issue: “Innovation in recreational fisheries research, community participation and management,” *Fisheries Management and Ecology*, 2023.

Endangered Species Research, Environmental Biology of Fishes, Hydrobiologia, ICES Journal of Marine Science, Journal of Experimental Marine Biology and Ecology, Journal of Fish Biology, Marine Ecology Progress Series, Methods in Ecology and Evolution, PloS one, Review in Fish Biology and Fisheries, Southeastern Naturalist, Transactions of American Fisheries Society.

Grant Reviews

Icelandic Research Fund.
Ocean Tracking Network Loan Program & Deployment Committee.
Oregon Sea Grant Program.

RELEVANT TRAINING

Mindfulness-Based Strength Practice program, UMass Amherst, fall 2023.
Inclusive Teaching: Supporting All Students in the College Classroom. UMass Amherst, fall 2023.
Diversity/Inclusion/Pedagogy Seminar, UMass Amherst, spring 2020.
Introduction to Regression Models with Spatial Correlation using R-INLA. Highland Statistics Ltd. One-week intensive course, Alberta, Canada, winter 2018.
PADI Advanced Open Water Diver – SCUBA, 2013.

PROFESSIONAL AFFILIATIONS

Ocean Tracking Network Deployment Review Committee
Keep Fish Wet Science Advisor
American Fisheries Society
Gulf and Caribbean Fisheries Institute
International Sea Turtle Society
That’s Life Science Blog

PUBLIC SCHOLARSHIP

Talks

- 2023 Unraveling the migratory mystery of the Atlantic tarpon: a call for conservation. FishBase Symposium, Swedish Museum of Natural History. Stockholm, Sweden. Oct 16.
- 2021 Tracking tarpon for conservation. Bonefish & Tarpon Trust, Ocean Reef, Key Largo, Florida.
- 2019 Giant trevally spatial ecology and conservation on Alphonse. Alphonse Island Lodge, Seychelles.
- 2018 Tarpon movements and conservation in Southwest Florida. Tampa Bay, Florida.
- 2018 Bonefish & Tarpon Trust acoustic telemetry tarpon tagging project. Bonefish Bonnies, Ocean Reef, Key Largo, Florida.
- 2017 What we know about tarpon in Georgia. Cabin Bluff, Woodbine, Georgia.
- 2015 Chasing recreational fish for conservation. Williston Northampton H.S., Massachusetts.

Writing

- 2022 Milkfish Myth Busted: we busted the myth that milkfish don't produce lactic acid as the reason why they fight for so long. *Keep Fish Wet blog*. By Danylchuk, A.J., **Griffin, L.G.**, Cooke, S.J., Lawrence, M., Danylchuk, S.C. <https://www.keepfishwet.org/keepemwet-news-1/2022/milkfish>
- 2021 Enter the Giant. *The Bonefish & Tarpon Trust Journal*. By **Griffin, L.G.**, Danylchuk, A.J., Cooke, S.J.
- 2021 Love on the Rocks: Spawning Permit Deserve a Break in Florida. The Drake Magazine. By **Griffin, L.G.** and Brownscombe, J.B.
- 2020 All Hail the Silver. *Texas Fish and Game Magazine*. By **Griffin, L.G.** & Danylchuk, A.J.
- 2017 Filling the Gap: Using Acoustic Telemetry Networks to Track the Movement Patterns of Atlantic Tarpon in the Gulf of Mexico and Western Atlantic. *Bonefish & Tarpon Trust Journal*. By **Griffin, L. G.** & Danylchuk, A. J. <https://www.bonefishtarpontrust.org/blog/2017-10-31-filling-gap-using-acoustic-telemetry-networks-track-movement-patterns-atlantic/>
- 2017 Tracking the lost years – where do baby sea turtles grow? *Life Sciences Blog*. By **Griffin, L. G.**, <http://thatlifesci.com/2017-05-04-Tracking-the-lost-years-LGriffin/>
- 2016 Focusing the lens: tracking movements of permit and tarpon in the keys and beyond. *Moldy Chum*. By **Griffin, L. G.**, Brownscombe, J. W., Danylchuk, A.J. <http://www.moldychum.com/focusing-lens-tracking-movements-permit-tarpon-keys-beyond/>
- 2016 Fishing Towards Conservation. *Life Sciences Blog*. By **Griffin, L. G.** <http://thatlifesci.com/2016-06-30-Fishing-Towards-Conservation-LGriffin/>

2016 Why We Should Care About Sea Turtles: When a Sea Turtle Balanced Earth. *Life Sciences Blog*, By **Griffin, L. G.** <http://thatslifesci.com/2016-04-26-when-a-sea-turtle-balanced-earth-lgriffin/>

MEDIA COVERAGE

- 2023 On the Trail of the Silver King: Researchers At UMass Amherst Reveal Unprecedented Look at Tarpon Migration. *UMass Amherst Press Release*. By Daegan Miller. <https://www.umass.edu/news/article/trail-silver-king-researchers-umass-amherst-reveal-unprecedented-look-tarpon-migration>
- 2023 Hammerhead Sharks Versus Tarpon. *Sport Fishing Magazine*. By Sam Hudson. <https://www.sportfishingmag.com/game-fish/hammerhead-sharks-versus-tarpon/>
- 2023 You are What You Eat. *The Bonefish & Tarpon Trust Journal*. By Chris Santella. <https://www.bonefishtarpontrust.org/bonefish-tarpon-journal-fall-2023/>
- 2023 Sea turtle strandings on the US east coast have increased. *New Scientist*. By Corryn Wetzel. <https://www.newscientist.com/article/2361145-sea-turtle-strandings-on-the-us-east-coast-have-increased-dramatically/>
- 2023 The Pogy Problem. *The Bonefish & Tarpon Trust Journal*. By T. Edward Nickens. <https://www.bonefishtarpontrust.org/bonefish-tarpon-journal-spring-2023/>
- 2022 Warmer currents may lead sea turtles to danger in Cape Cod Bay. *WBUR Boston's NPR News Station*. By Paula Moura. <https://www.wbur.org/news/2022/11/29/sea-turtles-trapped-cape-cod-due-to-climate-change>
- 2022 Cracking the Tarpon Code. *Bonefish & Tarpon Trust*. By T. Edward Nickens.
- 2022 Tarpon research on Fox13, Mark Wilson's "Mak'n Waves" Special. https://www.youtube.com/watch?time_continue=14&v=fOsX5p7Kb-0&feature=emb_logo
- 2021 *A Perfect Planet*, episode: "Humans." presented by David Attenborough. References our Griffin et al. 2019, PloS one study, Co-author Bob Prescott featured.
- 2021 Creatures of Habit. *Bonefish & Tarpon Trust*. By Monte Burke. <https://issuu.com/bonetarpontrust/docs/fall-2021/s/14298537>
- 2021 What's on the Line: Atlantic tarpon, the "Silver King," Interview for *CoastalReview.org*. By Robert Michelson. <https://coastalreview.org/2021/07/whats-on-the-line-atlantic-tarpon-the-silver-king/>
- 2020 Giant Trevally Research and Conservation at the Alphonse Group. *The Seychelles Nation* newspaper. By Gail Fordham. <https://www.nation.sc/articles/6655/giant-trevally-research-and-conservation-at-the-alphonse-group>
- 2020 Bonefish & Tarpon Trust's Tag Tarpon: Multi-Year Study Aims to Better Understand Tarpon Movement and Habitat use. *The Virginia Sportsman*

- Magazine*, By Joe Shields.
<https://thevirginiasportsman.com/2019/bonefishandtarpontrust>
- 2020 Trouble with Tarpon. *Early Riser Coffee Roasters*.
https://www.youtube.com/watch?v=HRsea2j2AFE&feature=youtu.be&fbclid=IwAR1cEAvoDBgiRmHAWWD2NvPFLmhy9JQqlYygS7vJscqb5F2b_lrpy-eRHq8
- 2019 Changing Seas Bring ‘Turtle Stranding Season’ to Cape Cod. *New York Times*.
 By Kendra Pierre-Louis. <https://www.nytimes.com/2019/12/19/climate/climate-change-cold-turtles.html>
- 2019 Once Upon a Tide. *The Drake Magazine*. By Ryan Brod.
<https://www.drakemag.com/back-issues/2019/spring/2026-once-upon-a-tide.html>
- 2019 New study says climate change may lead to thousands of turtle stranding on Cape Cod. *Boston Globe*. By Sabrina Schnur.
<https://www.bostonglobe.com/metro/2019/01/31/new-study-says-climate-change-may-lead-thousands-turtle-strandings-cape/TpYc02psQAyCHuhdvysbwO/story.html>
- 2019 Study: waters could mean more turtle stranding on Cape Cod. *Cape Cod Times*.
 By Doug Fraser. <https://www.capecodtimes.com/news/20190201/study-warmer-waters-could-mean-more-turtle-strandings-on-cape-cod>
- 2019 Why Do ‘Cold-Shocked’ Sea Turtles Keep Washing Up Onto Cape Cod?
Smithsonian Magazine. By Brigit Katz. <https://www.smithsonianmag.com/smart-news/why-do-cold-shocked-sea-turtles-keep-washing-cape-cod-180973749/>
- 2019 Conservation Researchers Investigate Factors in ‘Alarming’ Rate of Cold-Stranded Sea Turtles in Cape Cod Bay. *The University of Massachusetts News*.
<https://www.umass.edu/newsoffice/article/umass-amherst-conservation-researchers>
- 2019 Why are so many sea turtles being stranded in Cape Cod. *Wildlife Society*. By Dana Kobilinsky. <https://wildlife.org/why-are-so-many-sea-turtles-being-stranded-in-cape-cod/>
- 2019 Climate change, warming oceans and an iconic, endangered sea turtle. *Texas Climate News*. By Melissa Gaskill. <http://texasclimatenews.org/?p=16075>
- 2019 Warming oceans cast a chill over New England’s sea turtles. *Massive Science*. By Anna Robuck. <https://massivesci.com/articles/sea-turtles-maine-climate-change-cape-cod-global-warming/>
- 2019 New England seeing a huge spike in beached sea turtles. *APNews*. By Michael Casey. <https://www.apnews.com/63f5d64ad7c04a81b18fe91de1c5d91b>
- 2019 Global warming increases cold stun in sea turtles. *Ocean Bites*. By Samantha Setta. <https://oceanbites.org/global-warming-increases-cold-stun-in-sea-turtles/>
- 2019 Conserving the Flats with BTT: Tarpon Catch and Release. Silver Kings, *Discovery Channel*. <https://silverkings.com/episodes/conserving-the-flats-with-btt-tarpon-catch-release/>

- 2019 Conserving the Flats with BTT: Ethical Fishing. Silver Kings, *Discovery Channel*. <https://silverkings.com/series/conserving-the-flats-with-btt/>
- 2018 Fishing the Flats for Science, Season 10 Episode 4. Video media: *Changing Seas TV Show*. <https://www.changingseas.tv/season-10/1004/>
- 2018 The DrakeCast Episode #36 – Tarpon. Audio podcast: *The Drake*. <https://www.drakemag.com/drakecast/1948-the-drakecast-fly-fishing-podcast-36-tarpon-btt-danylchuck-mcduffie.html>