

Sean T. Giery

Department of Biology
The Pennsylvania State University
311 Mueller Lab, University Park, PA 16802
(845) 527-4501; stg5207@psu.edu
www.seantgiery.com

Education

- 2016 **Ph.D., Ecology**, *North Carolina State University*, Raleigh, NC.
- 2009 **M.S., Ecology & Conservation**, *University of Hawaii at Manoa*, Honolulu, HI.
- 2002 **B.S., Biology**, *State University of New York College of Environmental Science & Forestry*, Syracuse, NY.

Professional Experience

- 2022–present **Assistant Research Professor**, *The Pennsylvania State University*, State College, PA.
- 2019–2022 **Eberly Research Fellow**, *The Pennsylvania State University*, State College, PA.
- 2017–2019 **Postdoctoral Researcher**, *University of Connecticut*, Storrs, CT.
- 2015–2016 **Climate Science Fellow**, *USGS Southeast Climate Science Center*, Raleigh, NC.
- 2004–2007 **Endangered Species & Wetland Specialist**, *Environmental Resource Specialists*, NY.
- 2002–2004 **Research Assistant**, *Institute of Ecosystem Studies*. Millbrook, NY.

Publications (†undergraduate authors)

- In review* Lapedra, O, N. Morales, L. Yang, D. Fernández-Bellon, **S.T. Giery**, J. Piovia-Scott, T.W. Schoener, J.J. Kolbe, and J.B. Losos. Predator-driven behavioral shifts in a common lizard modify resource flow dynamics from marine to terrestrial ecosystems. *Ecology Letters*. Preprint: <http://doi.org/10.22541/au.167339078.82579426/v1>.
- In review* Kays, R. (and 150 others including **S.T. Giery**). SNAPSHOT USA 2021: A third coordinated national camera trap survey of the United States—first trends. *Ecology*.
- In revision* **Giery, S.T.**, Z. Chejanovski, B.A. Assis, T. Langkilde, and J.J. Kolbe. Evidence for food limitation in urban brown anole populations. *Biology Letters*.
- In revision* Urban M.C., C. Nadeau, and **S.T. Giery**. Mechanistic insights better predict the climate-induced expansion of a top predator. *Ecological Monographs*.
- In revision* Stroud, J.T., **S.T. Giery**, R. Heathcote, O. Ljustina†, S. Tiatragula, V. Vargast, E. Vezzani†, and K.J. Feeley. Character displacement in a ‘natural experiment’: Insights to the elusive early stages of adaptive radiation. *Proceedings of the Royal Society London B*
- In revision* Spence-Beaulieu, M.R., Z.S. Brown, K. Chesnutt, **S.T. Giery**, A.R. Hale, M. Hartzog, A.E. Moyer, B.D. Pluert†, S.G. Prado, J.B. Ristaino, C.H. Saslis-Lagoudakis, T.A. Toennisson, J. Withrow, L.M. Yirka, G. Zilnik, P. Sogaard Jørgensen, and R.R. Dunn. A call to document the benefits from evolutionary thinking. *Bioscience*.
- Accepted* Kolbe, J.J., **S.T. Giery**, O. Lapedra, K. Lyberger, J.N. Pita-Aquino, J.B. Losos, T.W. Schoener, and J Piovia-Scott. Experimentally simulating the evolution-to-ecology connection: divergent predator morphologies alter natural food webs. *Proceedings of the National Academy of Sciences USA*.

- Accepted Zimova, M., B.C. Weeks, D.E. Willard, **S.T. Giery**, V. Jirinec, R.C. Burner, and B.M. Winger. Body size predicts the rate of contemporary morphological change in birds. *Proceedings of the National Academy of Sciences USA*.
- 2023 Reynolds, R.G., and **S.T. Giery**. Amphibians of The Bahamas and Turks & Caicos Islands. in. N. Rios-Lopez and H. Heatwole, eds. The Conservation and Biogeography of Amphibians in the Caribbean. *Amphibian Biology*, Volume 9, Part 5. Pelagic Publishing, Exeter, UK.
- 2022 Evans, A., **S.T. Giery**, M. Zimova, H. Golden, A. Pastore†, C. Nadeau, and M.C. Urban. An Eco-evolutionary perspective on community restoration. *Oikos* e08978. (editor's choice)
- 2022 Chejanovski, Z.A., **S.T. Giery**, and J.J. Kolbe. Effects of urbanization on the trophic niche of a common invasive lizard, *Anolis sagrei*. *Food Webs* e00257.
- 2022 Ingram, T., **S.T. Giery**, and J.B. Losos. Hierarchical partitioning of multiple niche dimensions among ecomorphs, species and sexes in Puerto Rican anoles. *Journal of Zoology* 18(2):127-134.
- 2022 Kays, R. (and 148 others including **S.T. Giery**). SNAPSHOT USA 2020: A second coordinated national camera trap survey of the United States during the COVID-19 Pandemic. *Ecology* e3775.
- 2022 Layman, C.A., O. Patterson Maura, **S.T. Giery**, J.E. Allgeier, and A.L. Rypel. Direct economic inputs from internationally funded science projects to the Abaco Islands, The Bahamas. *Caribbean Journal of Science* 52 (1):16-23. Preprint: *EcoEvoRxiv*: 10.32942/osf.io/87fke.
- 2021 **Giery, S.T.**, Drake D.L., and M.C. Urban. Microgeographic evolution of metabolic physiology in a salamander metapopulation. *Ecology* 102(11):e03488.
- 2021 **Giery, S.T.**, M. Zimova, D.L. Drake, and M.C. Urban. Balancing selection and drift in a polymorphic salamander metapopulation. *Biology Letters* 17(4):20200901.
- 2021 Cove, M. (and 152 others including **S.T. Giery**). SNAPSHOT USA 2019: the first coordinated national camera trap survey of the United States. *Ecology* 102(6):e03353.
- 2020 Urban, M.C., S.Y. Strauss, F. Pelletier, E.P. Palkovacs, M.A. Leibold, A.P. Hendry, L. De Meester, S.M. Carlson, A.L. Angert, and **S.T. Giery**. Evolutionary origins for ecological patterns in space. *Proceedings of the National Academy of Sciences USA* 117(30):17482-17490.
- 2020 Zimova, M., **S.T. Giery**, S. Newey, J. Nowak, M. Spencer, and L.S. Mills. Lack of phenological shift leads to increased camouflage mismatch in mountain hares. *Proceedings of the Royal Society London B* 287:20201786.
- 2020 Layman, C.A., J.E. Allgeier, and **S.T. Giery**. Moving beyond semantics: advancing restoration with food web approaches. *Food Webs* 25:e00175.
- 2019 **Giery, S.T.**, and C.A. Layman. Ecological consequences of sexual selection: An eco-evolutionary perspective. *The Quarterly Review of Biology* 94(1):1-46.
- 2019 Stroud, J.T., **S.T. Giery**, M.O. Outerbridge, and K.J. Feeley. Priority effects influence asymmetrical assembly patterns of novel ecological communities. *Ecology* 100(8):e02727.
- 2019 Maurer, A.S., C. Thawley, A.F. Fireman†, **S.T. Giery**, and J.T. Stroud. Nocturnal activity of Antigua lizards under artificial light. *Herpetological Conservation & Biology* 14(1):105-110.
- 2019 **Giery, S.T.**, and J.T. Stroud. Geographic variation in trophic ecology of the Brown anole (*Anolis sagrei*): species-rich communities are composed of more diverse populations. *Anolis Newsletter VII*, p. 76-100. Eds. Stroud, J.T., Geneva, A.J., Losos, J.B. Washington University, St. Louis MO.

- 2018 **Giery, S.T.** Evolutionary community ecology: from coexistence to coevolution. Book Review: McPeck, M. 2017. Evolutionary Community Ecology. Princeton University Press. *Ecology* 99(5):1247-1249.
- 2017 **Giery, S.T.**, and C.A. Layman. Dissolved organic carbon and unimodal variation in sexual signal coloration in mosquitofish: a role for light limitation? *Proceedings of the Royal Society London B* 284:20170163.
- 2017 **Giery, S.T.**, E. Vezzanni†, S. Zona, and J.T. Stroud. Frugivory and seed dispersal by the invasive knight anole (*Anolis equestris*) in Florida, USA. *Food Webs* 11:13-16.
- 2017 Rossi, R.E., **S.T. Giery**, E.W. Bonnema†, A.L. Todd†, and C.A. Layman. Characterizing trophic ecology of the checkered puffer (*Sphoeroides testudineus*). *Latin American Journal of Aquatic Research* 45(5):1075-1078.
- 2017 Stroud, J.T., **S.T. Giery**, and M. Outerbridge. Brown anoles (*Anolis sagrei*) on Bermuda: a novel ecological threat to the endangered Bermudian skink. *Biological Invasions* 19(6):1723–1731.
- 2016 Reynolds, R.G., **S.T. Giery**, W.A.M. Jesse†, and Q.N. Quach. A preliminary analysis of road mortality in the Northern Bahamas Boa, *Chilabothrus exsul*. *Caribbean Naturalist* 34:1-9.
- 2015 **Giery, S.T.**, C.A. Layman, and R.B. Langerhans. Anthropogenic ecosystem fragmentation drives shared and unique patterns of sexual signal divergence among three species of Bahamian mosquitofish. *Evolutionary Applications* 8:679-691.
- 2015 **Giery, S.T.**, and C.A. Layman. Interpopulation variation in condition dependent signaling: predator regime affects signal information. *The American Naturalist* 186:187-195.
- 2015 Layman, C.A., **S.T. Giery**, S. Buhler, R. Rossi, T. Penland, M. Henson, A. Bogdanoff, M. Cove, A. Irizarry, C. Schalk, and S. Archer. A primer on the history of food web ecology: fundamental contributions of thirteen researchers. *Food Webs* 4:14-24.
- 2015 Chacin, D.H.†, **S.T. Giery**, L. Yeager, C.A. Layman, and R.B. Langerhans. Does hydrological fragmentation affect coastal bird communities? A study from Abaco Island, The Bahamas. *Wetland Ecology and Management* 23:551–557.
- 2014 Lemoine, N., **S.T. Giery**, and D. Burkepile. Body size and diet constraints on arthropod stoichiometry at local and global scales. *Oecologia* 174:1367-1376.
- 2014 Araújo, M.S., R.B. Langerhans, **S.T. Giery**, and C.A. Layman. Ecosystem fragmentation drives increased diet variation in an endemic live-bearing fish of The Bahamas. *Ecology and Evolution* 4:3298-3308.
- 2014 Gallagher, A.J., D.S. Shiffman, **S.T. Giery**, and N. Hammerschlag. Evolved for extinction? The price of specialization in apex marine predators. *BioScience* 64(7):619-624.
- 2013 **Giery, S.T.**, N.P. Lemoine, C.M. Hammerschlag-Peyer, R.N. Abbey-Lee, and C.A. Layman. Bidirectional trophic linkages couple canopy and understory food webs. *Functional Ecology* 27:1436–1441.
- 2011 Luzar, J.B., K.M. Silvius, H. Overman, **S.T. Giery**, J.M. Read, and J.M.V. Fragoso. Large-scale environmental monitoring by indigenous peoples. *BioScience* 61:771-781.
- 2010 Read, J.M., J.M.V. Fragoso, K.M. Silvius, J. Luzar, H. Overman, A. Cummings, **S.T. Giery**, and L.F. de Oliveira. Space place and hunting patterns among indigenous peoples of the Guyanese Rupununi region. *Journal of Latin American Geography* 9:213-243.
- 2007 **Giery, S.T.**, and R.S. Ostfeld. The role of lizards in the ecology of Lyme disease in two endemic zones of the northeastern United States. *Journal of Parasitology* 93:511-517

Natural History Notes & Short Papers (peer-reviewed)

- 2021 Devos, T.B., and **S.T. Giery**. Establishment of the invasive Brahminy Blind Snake (*Indotyphlops braminus*) on Abaco Island, The Bahamas, with notes on potential niche overlap with a native blind snake. *Reptiles & Amphibians, Conservation and Natural History* 28(3):555-557.
- 2019 **Giery, S.T.**, Pita-Aquino, J.N., Kolbe, J. and J. Piovio-Scott. Mourning Geckos (*Lepidodactylus lugubris*) established on Abaco Island, The Bahamas. *Reptiles & Amphibians, Conservation and Natural History* 26(2):161-162.
- 2019 Simpson, S., Stroud, J.T., **Giery S.T.**, and C.J. Thawley. *Anolis sagrei* (Brown Anole). Predation. *Herpetological Review* 50(2):362-363
- 2017 **Giery, S.T.**, D. Richard†, and J.T. Stroud. Introduction of eastern narrow-mouthed frog to Abaco Island, The Bahamas, and notes on their current distribution in the Greater Caribbean. *Reptiles & Amphibians, Conservation and Natural History* 24(2):139-141.
- 2016 Stroud, J.T., M. Outerbridge, and **S.T. Giery**. 2016. First specimen of an American Green Anole (*Anolis carolinensis*) on the oceanic island of Bermuda, with a review of the species' current global distribution. *Reptiles & Amphibians, Conservation and Natural History* 23(3):188-190.
- 2016 Stroud, J.T., and **S.T. Giery**. Nesting behavior of introduced brown basilisks (*Basiliscus vittatus*) in South Florida. *Reptiles & Amphibians, Conservation and Natural History* 23(2):104–107.
- 2013 Stroud, J.T., and **S.T. Giery**. *Anolis equestris* (Cuban Knight Anole). Nocturnal activity. *Herpetological Review* 44(4): 660-661.
- 2012 **Giery, S.T.** First records of the red corn snake (*Pantherophis guttata*) from Abaco Island, The Bahamas, and notes their current distribution in the greater Caribbean region. *Reptiles & Amphibians, Conservation and Natural History* 20(1):36-39.

Late-stage manuscripts available upon request

Giery, S.T., A. Battles, Z.A. Chejanovski, C.M. Donihue, A.J. Geneva, E. Henry, A. Herrel, T. Ingram, M.A. Johnson, O. Lapiedra, J. Piovio-Scott, B.J. Putman, E. Rehm, R.G. Reynolds, M.E. Thompson, J.J. Kolbe, J.N. Pita-Aquino, J.T. Stroud, D. Bock. Niche parameter covariance: a study of breadth–position scaling.

Giery, S.T., Piovio-Scott J., J.J. Kolbe, O. Lapiedra, J.B. Losos, and T.W. Schoener. Isolated populations face increased extinction risk during catastrophic disturbances.

Giery, S.T., and J.D. Davenport. Ecosystem impacts of color polymorphism in spotted salamanders.

Grants and Fellowships (Awarded \$654,822, including \$344,500 from NSF)

- 2022 **National Science Foundation**, *Grants for Rapid Response Research (RAPID)*, \$199,654. Genomic and phenotypic responses to hurricane-mediated selection in an invasive lizard: does epistasis constrain evolution? (PI).
- 2022 **National Geographic Society**, *Explorer Grant – Level 1*, not funded, \$20,000, Does local adaptation influence the effectiveness of predator reintroductions? (PI)
- 2020 **National Science Foundation**, *Grants for Rapid Response Research (RAPID)*, \$128,766. How does hurricane-induced selection on predator behavior and morphology influence ecological recovery from hurricane disturbance? (co-PI).

- 2020 **United States Geological Survey, Southeast Climate Adaptation Science Center, not funded, \$265,984.** Predicting the interactive effects of invasive predators and future climate change on endangered insects. (co-PI).
- 2019 **Eberly Research Fellowship, Pennsylvania State University, Department of Biology \$250,000.** Ecological consequences of evolving fitness. (Fellowship)
- 2017 **Center for Environmental Science & Engineering, University of Connecticut \$7,000.** Does nutrient limitation regulate the strength of predation-prey relationships? (PI)
- 2015 **United States Geological Survey, Southeast Climate Science Center \$12,000.** Global Change Fellowship. (Fellowship)
- 2015 **Bermuda Department of Conservation, Bermuda Zoological Society \$3,000.** Ecological overlap between invasive brown anoles (*Anolis sagrei*) and Bermuda skinks. (co-PI)
- 2014 **Bermuda Department of Conservation, Bermuda Zoological Society \$3,000.** Mapping the distribution of invasive brown anoles (*Anolis sagrei*) on Bermuda. (co-PI)
- 2014 **National Science Foundation, Doctoral Dissertation Improvement Grant \$16,322.** Divergent sexual selection and behavioral isolation due to anthropogenic ecosystem fragmentation. (unofficial PI)
- 2014 **NCSU CNR & CALS Cross-College Enrichment Program, not funded, \$150,000.** Sustainable land use in an increasingly urbanized world. (unofficial co-PI)
- 2012 **American Society of Ichthyologists and Herpetologists, Raney Award \$1,000.** Effects of fragmentation-mediated predator extirpation on sexual selection in Bahamian mosquitofish. (PI)
- 2012 **Florida International University, Dissertation Evidence Acquisition Grant \$8,500.** Effects of fragmentation-mediated predator extirpation on sexual selection in Bahamian mosquitofish. (PI)
- 2011 **Florida International University, SEEDS Grant \$25,000.** Evolutionary change in Bahamian mosquitofish: anthropogenic drivers of divergent selection environments. (unofficial PI)

Invited Seminars

- 2022 **Appalachian State University, Boone, NC.**
Understanding the causes and consequences of phenotypic diversification
- 2022 **Michigan State University, East Lansing, MI.**
Understanding the causes and consequences of phenotypic diversification
- 2021 **University of Wisconsin, Eau Claire, Eau Claire, WI.**
Exploring eco-evolutionary dynamics in nature
- 2020 **The Pennsylvania State University, State College, PA.**
Eco-evolutionary dynamics of sexual selection
- 2019 **The Pennsylvania State University, State College, PA.**
Understanding the causes of phenotypic diversification.
- 2019 **Southeastern Missouri State University, Cape Girardeau, MO.**
From carbon to competition: Understanding the causes of phenotypic diversity.
- 2018 **Brown University, Providence, RI.**
Ecological interference and niche variation in a generalist lizard, *Anolis sagrei*.

- 2017 **McGill University, Redpath Museum, Montreal, Quebec.**
Eco-evolutionary dynamics of sexual selection.
- 2017 **University of Connecticut, Storrs, CT.**
Evolutionary ecology of sexual selected traits: evaluating the effects of predators.
- 2016 **Center for Marine Sciences and Technology (CMAST), Beaufort, NC.**
The evolutionary ecology of communication: sexual signal variation in Bahamian mosquitofish.
- 2015 **Eastern Carolina University, Greenville, NC.**
Evolutionary ecology of sexual communication in Bahamian mosquitofish.
- 2014 **State University of New York at Oneonta, Oneonta, NY.**
Evolutionary ecology of sexual communication in Bahamian mosquitofish.

Conference Presentations

- 2022 **Society for the Study of Evolution, Cleveland, OH.**
Balancing selection and drift in a polymorphic salamander metapopulation.
- 2022 **Abaco Science Alliance Conference, Marsh Harbour, The Bahamas.**
Evolutionary effects of Hurricane Dorian.
- 2020 **American Society of Naturalist, Asilomar, CA.**
Geographic variation in trophic ecology of the Brown anole (Anolis sagrei): Are species-rich communities are composed of more diverse populations?
- 2018 **Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY.**
Interpopulation variation in metabolic rate of Spotted Salamander Larvae: evidence of microgeographic adaptation.
- 2018 **Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY.**
Geographic niche variation in Anolis sagrei: evidence for niche compression.
- 2018 **Anolis Symposium VII. South Miami, FL.**
Geographic niche variation in Anolis sagrei: evidence for niche compression.
- 2017 **Society for the Study of Evolution, Portland, OR.**
Ecological consequences of sexually selected traits: populations to ecosystems.
- 2017 **Society for the Study of Evolution, Portland, OR.**
Evolutionary ecology of sexual communication in mosquitofish.
- 2016 **Bahamas Natural History Conference, Nassau, The Bahamas.**
Interpopulation variation in a colorful sexual signal: the role of predators and water color.
- 2015 **Ecological Society of America, Baltimore, MD.**
Anthropogenic fragmentation drives shared and unique divergence in a sexual signal among three species of Bahamian mosquitofish.
- 2015 **North Carolina State University Graduate Zoology Symposium, Raleigh, NC.**
Anthropogenic fragmentation drives shared and unique divergence in a sexual signal among three species of Bahamian mosquitofish.
- 2014 **Ecological Society of America, Sacramento, CA.**
Diverse trophic linkages generated by a lizard community couples canopy and understory food webs.
- 2014 **Society for the Study of Evolution, Raleigh, NC.**
The evolutionary ecology of sexual communication: predation costs and signal reliability.

- 2014 **Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN.**
Interpopulation variation in condition dependent signaling: predation regime affects signal information.
- 2015 **Abaco Science Alliance Conference, Marsh Harbour, The Bahamas.**
Evolutionary ecology of sexual communication in Bahamian mosquitofish.
- 2015 **Abaco Science Alliance Conference, Marsh Harbour, The Bahamas.**
Characterizing the trophic ecology of an intertidal consumer: the checkered pufferfish.
- 2014 **Bahamas Natural History Conference, Nassau, The Bahamas.**
Interpopulation variation in condition dependent signaling: predation cost affects signal reliability.
- 2014 **Keck Center for Behavioral Biology, Raleigh, NC.**
Interpopulation variation in condition dependent signaling: predation regime affects signal information.
- 2013 **Florida International University Graduate Student Symposium, Miami, FL.**
Tidal creek fragmentation and fin coloration in the Bahamas mosquitofish.
- 2012 **Ecological Society of America, Portland, OR.**
Cross-habitat trophic coupling by arboreal predators: Allochthonous flows follow diverse routes between distinct food webs.
- 2012 **Abaco Science Alliance Conference, Marsh Harbour, The Bahamas.**
Tidal creek fragmentation and fin coloration in the Bahamas mosquitofish.
- 2011 **Society for Study of Evolution, Norman, OK.**
Effects of anthropogenic estuarine fragmentation on a colorful sexual trait in Bahamas mosquitofish (*Gambusia* spp.).
- 2011 **American Society of Ichthyologists and Herpetologists, Minneapolis, MN.**
Effects of anthropogenic estuarine fragmentation on a colorful sexual trait in Bahamas mosquitofish (*Gambusia* spp.).
- 2006 **Northeastern Natural History Conference, Albany, NY.**
Life history of the fence lizard (*Sceloporus undulatus*) in New York State.
- 2005 **Black Rock Forest Consortium Research Symposium, Cornwall, NY.**
The role of lizards in Lyme disease ecology: tick burdens, reservoir competence and population density.
- 2005 **Ecological Society of America, Montreal, Canada.**
The role of lizards in Lyme disease ecology: tick burdens, reservoir competence and population density.
- 2004 **Institute of Ecosystem Studies, Millbrook, NY.**
The role of lizards in Lyme disease ecology: tick burdens, reservoir competence and population density.

Teaching

- 2023 **BIO 5205: Current Topics: Evolutionary Ecology, Appalachian State University.** Adjunct Instructor of record for 3-credit graduate course. 1 semester.
- 2017 **BIO 181: General Biology Lab, North Carolina State University.** Instructor for in-person and online components for biology majors. 1 semester.
- 2016 **BIO 106: General Biology Lab, North Carolina State University.** Instructor for in-person and online components. For non-biology majors. 1 semester.

- 2015 **AEC 593: Food Web Ecology, Graduate Seminar, North Carolina State University.** Co-instructor for graduate-level seminar. 1 semester.
- 2013-2014 **BIO 360: Ecology Lab, North Carolina State University.** Instructor for field-intensive lab for bio majors. 4 semesters.
- 2011 **PBO 570: Isotope Ecology, Graduate Seminar, Florida International University.** Co-instructor for graduate-level seminar and practicum. 1 semester.
- 2009-2012 **PBO 480: Ecology Lab, Florida International University.** Instructor for field-intensive lab for bio majors. Redesigned and adapted multiple lab exercises to suit campus features. 9 semesters.

Professional Development

- 2022 **Inclusive Teaching: Supporting All Students in the College Classroom,** edx Center for Teaching & Learning, Columbia University.
- 2021 **Course in College Teaching,** Schreyer Institute for Teaching Excellence, The Pennsylvania State University.
- 2020 **Understanding Diversity and Inclusion,** Future Learn, Purdue University.
- 2015 **Introduction to Structured Decision Making (ALC3171),** US Fish and Wildlife Service, National Conservation Training Center, Shepherdstown, West Virginia.

Professional Service

- Reviewer *Proceedings of the Royal Society B, Current Zoology, Food Webs, National Science Foundation, The American Naturalist, Oecologia, Oikos, BMC Ecology, PLoS One, Functional Ecology, Behavioral Ecology, Behavioral Ecology and Sociobiology, Acta Oecologia, EcoHealth, Ecology and Evolution, Evolutionary Ecology, Frontiers in Ecology and Evolution, Freshwater Science, Global Change Ecology, Ichthyology & Herpetology, International Conservation of Reptiles and Amphibians, Latin American Journal of Aquatic Research, Methods in Ecology and Evolution, Zoology, Urban Ecosystems. PeerJ*
- Editor *Frontiers in Ecology and Evolution: Populations, Communities, & Ecosystems (since 2022)*
Food Webs (since 2017)

Collaborative Working Groups

- 2022-present Group leader: Biodiversity & Eco-Evolutionary working group. Hurricane Ecosystem Response Synthesis Network (*NSF-funded: Research Coordination Network*)

Outreach

- 2014-2021 **Anole Annals,** Contributing author for Anole-focused research summaries.
- 2012-2018 **Abaco Scientist,** Contributing author for Bahamas-focused research summaries.
- 2017 **BioBlitz, Greenwich, Connecticut**
Greenwich Point Park, Herpetology & Mammal teams.
- 2015 **Forest Heights Academy, Marsh Harbour, The Bahamas.**
Sexual Selection.
- 2014 **Wake County Science Fair, Raleigh, North Carolina.**

- 2013 **Friends of the Environment**, *Marsh Harbour, The Bahamas*.
Summer Course: Bats, Birds, and Blueholes, <http://www.friendsoftheenvironment.org>.
- 2012 **Miami-Dade Science Fair**, *North Miami, Florida*.
- 2011 **Forest Heights Academy**, *Marsh Harbour, The Bahamas*.
Evolution in Action.

Media & Press Coverage

- 2021 **WTAJ**, *Penn State biologist participates in first national mammal survey*.
<https://www.werecentralpa.com/news/local-news/national-mammal-survey/>
- 2021 **Penn State News**, *Snapshot USA: First-ever nationwide mammal survey now published*.
<https://science.psu.edu/news/Giery6-2021>
- 2021 **Wildlife News**, *Salamander egg color reveals evolutionary forces at play*,
<https://wildlife.org/salamander-egg-color-reveals-evolutionary-forces-at-play/>
- 2021 **Penn State News**, *Dueling evolutionary forces drive rapid evolution of salamander coloration*,
<https://science.psu.edu/news/Giery4-2021>
- 2021 **Eberly Science Journal**: *Modifying the Mosaic: A Penn State postdoc explores patterns in animal traits across a landscape and how they might adapt to change*.
<https://science.psu.edu/science-journal/winter-2021/modifying-mosaic>
- 2020 **BBC**, *Climate change: Scottish mountain hares are becoming more exposed*,
<https://www.bbc.co.uk/newsround/55345462>
- 2020 **Sky News**, *Climate change: Mountain hares 'losing winter camouflage' due to more snowless days*, <https://news.sky.com/story/climate-change-mountain-hares-losing-camouflage-due-to-more-snowless-days-12164411>
- 2020 **CTV News**, *Why only some mountain hares are changing their camouflage schedules*,
<https://www.ctvnews.ca/climate-and-environment/why-only-some-mountain-hares-are-changing-their-camouflage-schedules-1.5253067>
- 2020 **Penn State News**, *Less snowy winters produce camouflage mismatch in mountain hares*,
<https://news.psu.edu/story/642282/2020/12/16/research/less-snowy-winters-produce-camouflage-mismatch-mountain-hares>
- 2020 **University of Michigan News**, *Increased camouflage mismatch in mountain hares*,
<https://seas.umich.edu/news/increased-camouflage-mismatch-mountain-hares>
- 2020 **Southeast Climate Adaptation Science Center**, *Former Global Change Fellows Investigate Discrepancies in Mountain Hare Camouflage* <https://secasc.ncsu.edu/2021/01/04/former-global-change-fellows-investigate-discrepancies-in-mountain-hare-camouflage/>
- 2020 **Wildlife News**, *Snapshot USA seeks biologists to aid national mammal survey*.
<https://wildlife.org/snapshot-usa-seeks-biologists-to-aid-national-mammal-survey/>
- 2020 **The Conversation**, *Evolution on the smallest of scales smooths out the patchwork patterns of where plants and animals live*, <https://theconversation.com/evolution-on-the-smallest-of-scales-smooths-out-the-patchwork-patterns-of-where-plants-and-animals-live-144532>.
- 2017 **The Royal Gazette**, *Fears over lizard arrival*,
<http://mobile.royalgazette.com/news/article/20170928/fears-over-lizard-arrival&template=mobileart>.
- 2015 **The Royal Gazette**, *New species of lizard found on Island*,
<http://www.royalgazette.com/article/20150924/NEWS07/150929861>.

- 2015 **Reptiles Magazine**, *Invasive Cuban Brown Anole Found on Bermuda*, <http://www.reptilesmagazine.com/invasive-cuban-brown-anole-found-on-bermuda-island-trending/>.
- 2015 **FIU News**, *Invasive lizard takes up residence in Bermuda*, <https://news.fiu.edu/2015/12/invasive-lizard-takes-up-residence-in-bermuda/94984>
- 2014 **Conservation Magazine**, *Hammerhead Sharks' Unique Traits May Doom Them*, <http://www.conservationmagazine.org/2014/06/hammerhead-sharks-unique-traits-may-doom-them/>.
- 2014 **Oceana**, *Hammerhead Shark Management Should Reflect Unique Evolutionary Traits, Scientists Say*, <http://usa.oceana.org/blog/hammerhead-shark-management-should-reflect-unique-evolutionary-traits-scientists-say>.
- 2011 **Stanford News**, *Gathering Data in The Amazon Basin*, <http://news.stanford.edu/news/2011/october/videos/991.html>.
- 2011 **Stanford News**, *Can indigenous peoples be relied on to gather reliable environmental data that meet the standards of science?* <http://news.stanford.edu/news/2011/october/amazon-indigenous-technicians-111311.html>.

Mentoring (Undergraduate Co-authors[†])

- 2022-present **Charlotte Frost**, *University of Rhode Island*, Undergraduate Research Assistant
- 2021-present **Reese Sloan**, *Appalachian State University*, M.S. committee member
- 2020-present **Braulio Assis**, *The Pennsylvania State University*, Postdoctoral Associate, The Pennsylvania State University
- 2017-2019 **Amanda Pastore[†]**, *University of Connecticut*, McNair Scholar
Currently: Graduate Student, University of Connecticut
- 2017-2019 **Julia Kendzierski**, *University of Connecticut*, Research Assistant
Currently: Connecticut Department of Energy and Environmental Protection
- 2014-2016 **Jillian Tucker**, *North Carolina State University*, Undergraduate Intern
Currently: Field Technician, The Jumbo Bay Hawksbill Turtle Project.
- 2016 **Donte Richard[†]**, *Forest Heights Academy*, High School Intern
Currently: Senior, Michigan State University.
- 2016 **Billy Moore**, *University of Florida*, Lab Volunteer
Currently: M.S. student, Virginia Tech.
- 2014-2105 **Olivia Phillips**, *North Carolina State University*, Undergraduate Intern
Currently: Ph.D. Student, Virginia Institute of Marine Science.
- 2013-2015 **Allison Todd[†]**, *North Carolina State University*, Undergraduate Intern
Currently: Caretaker, North Carolina Zoo.
- 2015 **Rikki Bonema[†]**, *North Carolina State University*, Undergraduate Intern
Currently: Ph.D. Student, Florida International University.
- 2015 **Brooke Blosser**, *North Carolina State University*, Undergraduate Intern
Currently: Junior, Research Assistant, North Carolina State University.
- 2015 **Cameron Luck**, *North Carolina State University*, Undergraduate Intern
Currently: Graduated and went west.
- 2011-2012 **Tricia Callahan**, *Florida International University*, Undergraduate Intern
Currently: Biologist, Ecology and Environment, Inc.

- 2011 **Alcindor (AJ) McIntosh Jr.**, *Abaco Central High*, High School Intern
Currently: Conservation Educator, Baker's Bay Golf and Ocean Club.
- 2010-2011 **Dr. Dinorah Chacin†**, *Florida International University*, Undergraduate Intern & REU
Currently: Marine Scientist, NOAA.