

Curriculum Vitae and Table of Contents

James T. Stroud, Ph.D.

Assistant Professor
School of Biological Sciences

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James T. Stroud, Ph.D.
Assistant Professor
School of Biological Sciences
Georgia Institute of Technology

I. Earned Degrees

B.Sc. (Hons)	Zoology with Conservation	2005-2008	University of Wales, UK
M.Sc.	Ecology	2009-2011	University of Hull, UK
Ph.D.	Ecology and Evolution	2012-2018	Florida Int. University, USA (advisor: Dr. Kenneth Feeley)

II. Employment History

2023-present	Assistant Professor, School of Biological Sciences
2023-present	Elizabeth Smithgall-Watts Endowed Faculty
2023-present	Affiliate Faculty, Parker H. Petit Institute for Bioengineering and Bioscience
2023-present	Affiliate Faculty, Quantitative BioSciences (QBioS), School of Biological Sciences
2023-present	Affiliate Faculty, Bioinformatics, School of Biological Sciences
2018-2023	Postdoctoral Associate, Washington University in St. Louis (advisor: Dr. Jonathan Losos)

III. Honors and Awards

2026	Bicentenary Medal, Linnean Society of London
2026	Atwood Rising Star in Evolution, University of Toronto
2025	Packard Fellowship in Science and Engineering, David & Lucille Packard Foundation
2025	Maxwell/Hanrahan Award in Field Biology, Maxwell/Hanrahan Foundation
2024	Founder's Prize, British Ecological Society
2024	Early Career Fellow, Ecological Society of America
2024	Elected Fellow (FLS), Linnean Society of London
2022	Outstanding Postdoc Mentor Award, Washington University in St. Louis *One award annually for >800 postdocs
2021	Early Career Investigator Award, The American Society of Naturalists
2018	Excellence in Civic Engagement and Community Outreach Medallion of Distinction, Florida International University
2018	Outstanding Academic Achievement, Florida International University
2017	Outstanding Graduate Scholar, Florida International University *One award annually for >8,000 graduate students
2017	Provost's Outstanding Graduate Student Manuscript in STEM, Florida International University

IV. Research, Scholarship, and Creative Activities

Group website: www.theStroudLab.com

Profiles: [Google Scholar](#), [Orcid](#), [ResearchGate](#), [Web of Science](#), [Scopus](#)

h-index: 29 ; ***i10-index:*** 40 ; ***total citations:*** >3,000 (>2,500 in last 5 years)

**** indicates completed at GT***

^{PD} indicates postdoctoral author

^G indicates graduate student author

^{UG} indicates undergraduate author

^{HS} indicates high school student author

^C indicates corresponding authorship

In ecology and evolution: **first author** generally represents the study lead; **last author** represents the senior advisor of the study; ^C**corresponding author** serves as the main point of contact, taking overall responsibility for the research integrity, communication throughout the publication process, and long-term stewardship of the work.

A. Published Books, Book Chapters, and Edited Volumes

A1. Books

No data.

A2. Refereed Book Chapters

No data.

A3. Edited Volumes

1. Stroud, J.T. ^C, Geneva, A.J., Losos, J.B. Eds. 2019. *Anolis Newsletter VII*. pp. 1-323. Washington University, St. Louis MO.
<https://doi.org/10.7936/gjg3-h168>

B. Refereed Publications and Submitted Articles

B1. Published and Accepted Journal Articles

1. *Burnetti, A.J., Stroud, J.T., Ratcliff, W.C. (2026) Priority effects inhibit the repeated evolution of phototrophy. *npj Complexity*, 3(1), 9
<https://doi.org/10.1038/s44260-026-00069-z>
2. *Stroud, J.T. ^C, **Francisco, E.** ^G, **Cooper, T.L.** ^G, Suh, J.J. (2026) Predation by a non-native Cuban Knight Anole (*Anolis equestris*) of a native Corn Snake (*Pantherophis guttatus*) in Miami, Florida, USA. *IRCF Reptiles & Amphibians*, 33(1): e23091
<https://doi.org/10.17161/randa.v33i1.23091>
3. *Stroud, J.T. ^C, Kolbe, J.J., **Doshna, B.** ^G, Anderson, C.V., French, S.S., Miles, D.B., Zani, P.A., Suh, J.J., Passos, D.C., Roberts, T.J., Whiting, M.J., Aja, M., **Appleton, M.** ^{UG}, **Arnashus, A.** ^{UG}, Arnold, D., Bastiaans, E., Barnett, K., Boronow, K.E., Brisson, J., Calder, D., **Clay, S.** ^{UG}, Connior, M., **Cooper, T.L.** ^G, Castañeda, M.d.R., Dufour, C.M.S., Gamble, T., Geneva, A.J., Gray, L.N., **Griffin, K.** ^{UG}, Hall, J.M., Herrmann, N.C., Hillen, B., **Johnson, L.E.** ^G, Kamath, A., Langkilde, T., Langner, C., Lapiedra, O., Leal, M., Maayan, I., **Miller, A.H.** ^G, Muñoz, M.M., Norval, G., Perkins, S.L., Pike, D.A., Schoener, T.W., Templeton, A.R., **Vazquez, E.** ^{UG}, Walker, A., Losos, J.B. (2025) Pirates of the Caribbean (and elsewhere): Three-Legged Lizards and the Study of Evolutionary Adaptation. *The American Naturalist*, 206(5)
<https://doi.org/10.1086/737525>
4. Michaelides, S.N., Stroud, J.T., Giery, S.T., Smith, B.E., Glor, R.E., Kolbe, J.J. (2025) Invasion histories differ markedly among the four *Anolis* lizard species introduced to Bermuda. *Journal of Herpetology*, 59(2): 19-26
<https://doi.org/10.1670/23-043>
5. *Stroud, J.T., Day, J.J., Castañeda, M. d. R., Martin, C.H. (2025) A global perspective on adaptive radiation: Advances, issues, and future directions. *Evolutionary Journal of the Linnean Society*,

kzaf009

<https://doi.org/10.1093/evolinnean/kzaf009>

6. *Stroud, J.T.^C, Ratcliff, W.C. (2025) Long-term studies provide unique insights to evolution. *Nature*, 639, 589–601.
<https://doi.org/10.1038/s41586-025-08597-9>
7. *Stroud, J.T.^C, Giery, S.T., Heathcote, R.J.P.^{PD}, Tiatragul, S.^G, Yuan, M.^{PD}, Feeley, K.J., Losos, J.B. (2024) Observing character displacement from process to pattern in a novel vertebrate community. *Nature Communications*, 15:9862
<https://doi.org/10.1038/s41467-024-54302-1>
8. *Hall, J.M., Thawley, C.J., Stroud, J.T.^C (2024). Life history strategies are decoupled from ecomorphological convergence in two *Anolis* lizards. *Biological Journal of the Linnean Society*, 143(2): blae088
<https://doi.org/10.1093/biolinnean/blae088>
9. *Stroud, J.T.^C, Delory, B.M., Barnes, E.M., Chase, J.M., De Meester, L., Dieskau, J.^G, Grainger, T.N., Halliday, F.W., Kardol, P., Knight, T.M., Ladouceur, E., Little, C.J., Roscher, C., Sarneel, J.M., Temperton, V.M., van Steijn, T.^G, Werner, C.M., Wood, C.W., Fukami, T. (2024). Priority effects transcend scales and disciplines in biology. *Trends in Ecology and Evolution*, 39(7): 677-688
<https://doi.org/10.1016/j.tree.2024.02.004>
10. *Stroud, J.T.^C, Moore, M.P., Langerhans, R.M., Losos, J.B. (2023) Fluctuating selection maintains distinct species phenotypes in an ecological community in the wild. *Proceedings of the National Academy of Sciences*, 120(42): e2222071120
<https://doi.org/10.1073/pnas.2222071120>
11. *Moore, M.P., Shaich, J.^{UG}, Stroud, J.T. (2023) Upslope migration is slower in species with high physiological demands. *Nature Climate Change*, 13(2023): 1063-1066
<https://doi.org/10.1038/s41558-023-01794-2>
12. Stroud, J.T.^C, Petherick, A.^G, Krasnoff, B.^{UG}, Walker, K.^{UG}, Suh, J.J., Losos, J.B. (2023) Signal size allometry in *Anolis* lizard dewlaps. *Biology Letters*, 19: 20230160
<https://doi.org/10.1098/rsbl.2023.0160>
13. Miller, A.H.^G, Stroud, J.T.^C, Losos, J.B. (2022) The ecology and evolution of key innovations. *Trends in Ecology and Evolution*, 38(2): 122-131
<https://doi.org/10.1016/j.tree.2022.09.005>
14. Miller, A.H.^G, Stroud, J.T.^C (2022) Novel tests of the key innovation hypothesis: Adhesive toepads in arboreal lizards. *Systematic Biology*, 71(1): 139-152
<https://doi.org/10.1093/sysbio/syab041>
15. Sanger, T.J., Harding, L.^{UG}, Kyrkos, J.^{UG}, Arnaudoff, L.^{UG}, Nunez, S.A.^{UG}, Lachance, D.^{UG}, Dhindsa, S.^{UG}, Stroud, J.T., Diaz, R.E., Czesny, B.^{UG} (2021) Environmental thermal stress induces neuronal cell death and developmental malformations in reptiles. *Integrative and Comparative Biology*, 3(1): 1-18: <https://doi.org/10.1093/iob/obab033>
16. Kolbe, J.J., Gilbert, N.^{UG}, Stroud, J.T., Chejanovski, Z.A.^G (2021) An experimental analysis of perch diameter and substrate preferences of *Anolis* lizards from natural forest and urban habitats. *Journal of Herpetology*, 55(3): 215-221
<https://doi.org/10.1670/0022-1511-55.3.215>
17. Stroud, J.T.^C (2021) Island species experience higher niche expansion and lower niche conservatism during invasion. *Proceedings of the National Academy of Sciences*, 118(1): e2018949118
<https://doi.org/10.1073/pnas.2018949118>

18. **Herrmann, N.**^G, **Stroud, J.T.**, Losos, J.B. (2021) The evolution of 'ecological release' into the 21st century. *Trends in Ecology and Evolution*, 36(3): 206-215
<https://doi.org/10.1016/j.tree.2020.10.019>
19. **Stroud, J.T.**^C, **Mothes, C.C.**^G, **Beckles, W.**^G, Heathcote, R.J.P.^{PD}, Donihue, C.M.^{PD}, Losos, J.B. (2020) An extreme cold event leads to community-wide convergence in lower temperature tolerance. *Biology Letters*, 16(1)
<https://doi.org/10.1098/rsbl.2020.0625>
20. Donihue, C.M.^{PD}, Kowaleski, A., Algar, A., Baeckens, S.^{PD}, Buchkowski, R.W., Fabre, A.-C., Frank, H.K., Geneva, A.J., Mahler, D.L., Reynolds, R.G., **Stroud, J.T.**, Velasco, J.A., Kolbe, J.J., Losos, J.B., Herrel, A. (2020) Extreme climate events shape trait diversity across geographic and phylogenetic scales. *Proceedings of the National Academy of Sciences*, 117(19): 10429-10434
<https://doi.org/10.1073/pnas.2000801117>
21. Hall, J.M., Mitchell, T.S., Thawley, C.J., **Stroud, J.T.**, Warner, D.A. (2020) Adaptive seasonal shift towards investment in fewer, larger offspring: Evidence from field and laboratory studies. *Journal of Animal Ecology*, 89(5): 1242-1253
<https://doi.org/10.1111/1365-2656.13182>
22. Gillespie, R.G., Bennett, G., De Meester, L., Fleischer, R.C., Harmon, L., Hendry, A., Knope, M., Mallet, J., Martin, C., Parent, C., **Patton, A.**^G, Pfennig, K., Rubinoff, D., Schluter, D., Seehausen, O., Shaw, K., Stacy, E., **Stervander, M.**^{PD}, **Stroud, J.T.**, Wagner, C., Wogan, G. (2020) Comparing adaptive radiations across space, time, and taxa. *Journal of Heredity*, 111(1): 1-20
<https://doi.org/10.1093/jhered/esz064>
23. **Stroud, J.T.**^C, Losos, J.B. (2020) Bridging the process-pattern divide to understand the origins and early stages of adaptive radiation: A review of approaches with insights from studies of Anolis lizards. *Journal of Heredity*, 111(1): 33-42
<https://doi.org/10.1093/jhered/esz055>
24. **Stroud, J.T.**^C, Thompson, M.E.^{PD} (2019) Looking to the past to understand the future of tropical conservation: The importance of collecting basic data. *Biotropica*, 51(3): 193-199
<https://doi.org/10.1111/btp.12665>
25. **Stroud, J.T.**^C, **Colom, M.**^{UG}, **Ferrer, P.**^{UG}, **Palermo, N.**^{UG}, **Vargas, V.**^{UG}, **Cavallini, M.**^{UG}, **Lopez, J.**^{UG}, **Jones, I.**^G (2019) Behavioral shifts with urbanization may facilitate biological invasion of a widespread lizard. *Urban Ecosystems*, 22(3): 425–434
<https://doi.org/10.1007/s11252-019-0831-9>
26. **Mothes, C.C.**^G, **Stroud, J.T.**, **Clements, S.L.**^G, Searcy, C.A. (2019) Evaluating Maxent's ability to accurately predict biotic invasions using South Florida's exotic lizard community. *Journal of Biogeography*, 46(2): 432-441
<https://doi.org/10.1111/jbi.13511>
27. **Stroud, J.T.**^C, Giery, S.T.^{PD}, Outerbridge, M., Feeley, K.J. (2019) Ecological character displacement alters the outcome of priority effects during community assembly. *Ecology*, 100(8): e02727
<https://doi.org/10.1002/ecy.2727>
28. **Perez, T.M.**^G, Valverde, O., **Bravo, C.**^G, Taylor, T.C.^{PD}, **Fadrique, B.**^G, **Hogan, J.A.**^G, **Pardo, C.J.**^{UG}, **Stroud, J.T.**, Baraloto, C., Feeley, K.J. (2018) Botanic gardens are an untapped resource for studying the functional ecology of tropical plants. *Philosophical Transactions of the Royal Society B*, 374(1763): 1-9
<https://doi.org/10.1098/rstb.2017.0390>
29. Sanger, T.J., **Kyrkos, J.**^{UG}, **Lachance, D.**^{UG}, **Czesny, B.**^{UG}, **Stroud, J.T.** (2018) The effects of thermal stress on the early development of the lizard *Anolis sagrei*. *Journal of Experimental Zoology*

- 4, 329(4): 244-251
<https://doi.org/10.1002/jez.2185>
30. **Stroud, J.T.**^C, Richardson, A.J., Sim, J., Airnes, A., Stritch, J.M. (2018) Venturing into the Southern Hemisphere: First record of *Anolis sagrei* on Ascension Island in the mid-Atlantic. *IRCF Reptiles & Amphibians*, 25(3): 220-222
<https://doi.org/10.17161/randa.v25i3.14316>
 31. **Maurer, A.S.**^G, Thawley, C.J.^{PD}, Fireman, A.L., Giery, S.T.^{PD}, **Stroud, J.T.** (2018) Nocturnal activity of Antiguan lizards under artificial light. *Herpetological Conservation and Biology*, 14(1): 105-110
http://www.herpconbio.org/Volume_14/Issue_1/Maurer_etal_2019.pdf
 32. **Giery, S.T.**^G, **Vezzani, E.**^{UG}, Zona, S., **Stroud, J.T.** (2017) Frugivory and seed dispersal by the invasive knight anole (*Anolis equestris*) in Florida, USA. *Food Webs*, 11: 13-16
<https://doi.org/10.1016/j.fooweb.2017.05.003>
 33. Feeley, K.J., **Stroud, J.T.** (2017) Where on Earth are the tropics? *Frontiers of Biogeography*, 10.1-2, e38649
<https://doi.org/10.21425/F5FBG38649>
 34. **Stroud, J.T.**, **Giery, S.T.**^G, Outerbridge, M.E. (2017) Establishment of *Anolis sagrei* on Bermuda represents a novel ecological threat to Critically Endangered Bermuda skinks (*Plestiodon longirostris*). *Biological Invasions*, 19: 1723-1731
<https://doi.org/10.1007/s10530-017-1389-1>
 35. **Stroud, J.T.**, Feeley, K.J. (2017) Neglect of the tropics is widespread in ecology and evolution. *Trends in Ecology and Evolution*, 32(9): 626-629
<https://doi.org/10.1016/j.tree.2017.06.006>
 36. Giery, S.T., **Donte, R.**^{HS}, **Stroud, J.T.** (2017) A review of the current distribution of eastern narrow-mouthed frogs in the Greater Caribbean, with a first record from Abaco Island, The Bahamas. *IRCF Reptiles & Amphibians*, 24(2): 139-141
<https://doi.org/10.17161/randa.v24i2.14170>
 37. **Stroud, J.T.**^C, Alexander, P., Powell, I.V., Krysko, K.L. (2017) First Record of a Polychrotid Lizard, The Many-colored Bush Anole (*Polychrus marmoratus*), in Florida, USA. *IRCF Reptiles & Amphibians*, 24(2): 148-149
<https://doi.org/10.17161/randa.v24i2.14173>
 38. **Tiatragula, S.**^G, **Murali, G.**^G, **Stroud, J.T.**^C (2017) Different evolutionary dynamics led to the convergence of clinging performance in lizard toepads. *Evolution*, doi:10.1111/evo.13338
<https://doi.org/10.1111/evo.13338>
 39. **Stroud, J.T.**^C (2017) Ecological opportunity, competition, and diversity-dependence in macroevolution. *Evolution*, doi: 10.1111/evo.13295
<https://doi.org/10.1111/evo.13295>
 40. Martin, T.E., Guilleman, M., Nivet-Mazerolles, V., Landsmann, C., Dubos, J., Eudeline, R., **Stroud, J.T.** (2017) The herpetofauna of central Uzbekistan. *Amphibian & Reptile Conservation*, 11(1): 93-107 (e140)
<https://biostor.org/reference/286363>
 41. **Perez, T.M.**^G, **Stroud, J.T.**, Feeley, K.J. (2016) Thermal trouble in the tropics: Why latitude matters in climate change. *Science*: 351(6280): 1392-1393
<https://doi.org/10.1126/science.aaf3343>

42. Feeley, K.J., Stroud, J.T., **Perez, T.M.** ^G (2016) Most global reviews of climate change impacts aren't truly global. *Diversity and Distributions*, 23(3): 231-234
<https://doi.org/10.1111/ddi.12517>
43. Stroud, J. T.^C, Losos, J.B. (2016) Ecological Opportunity and Adaptive Radiation. *Annual Review of Ecology, Evolution & Systematics*, 47: 507-532
<https://doi.org/10.1146/annurev-ecolsys-121415-032254>
44. Kolbe, J.J., VanMiddlesworth, P., **Battles, A.C.** ^G, Stroud, J.T., Buffum, B., Forman, R.T.T., Losos, J.B. (2016) Determinants of spread in an urban landscape by an introduced lizard. *Landscape Ecology*, 31(8): 1795-1813
<https://doi.org/10.1007/s10980-016-0362-1>
45. Stroud, J.T.^C, Outerbridge, M.E., **Giery, S.T.** ^G (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. *IRCF Reptiles & Amphibians*, 23(3): 188-190
<https://doi.org/10.17161/randa.v23i3.14134>
46. Stroud, J. T.^C, **Giery, S.T.** ^G (2016) Nesting behavior and egg incubation time of introduced brown basilisks (*Basiliscus vittatus*) in South Florida. *IRCF Reptiles & Amphibians*, 23(2): 104-107
<https://doi.org/10.17161/randa.v23i2.14116>
47. Stroud, J.T., **Bush, M.R.** ^G, **Ladd, M.C.** ^G, **Nowicki, R.J.** ^G, **Shantz, A.A.** ^G, **Sweatman, J.** ^G (2015) Is a community still a community? Reviewing definitions of key terms in community ecology. *Ecology & Evolution*, 5(21): 4757-4765
<https://doi.org/10.1002/ece3.1651>
48. Stroud, J.T., and Feeley, K.J. (2015) A downside of diversity? *Trends in Ecology and Evolution*, 30(6): 296-297
<https://doi.org/10.1016/j.tree.2015.02.005>
49. Gillespie, G.R., Howard, S., Stroud, J.T., Ul-Hassanah, A., Campling, M., Lardner, B., Scroggie, M., Kusrini, M. (2015) Responses of a tropical herpetofauna community to anthropogenic disturbance and natural habitat variation in Sulawesi, Indonesia. *Biological Conservation*, 192(2015): 161-173
<https://doi.org/10.1016/j.biocon.2015.08.034>
50. **Rehm, E.** ^G, Olivas, P. ^{PD}, Stroud, J.T., Feeley, K.J. (2015) Losing your edge: climate change and the conservation value of range-edge populations. *Ecology & Evolution*, 5(19): 4315-4326
<https://doi.org/10.1002/ece3.1645>
51. Stroud, J.T.^C, Feeley, K.J. (2015) Responsible academia: Optimizing conference locations to minimize greenhouse gas emissions. *Ecography*, 38(4): 402-404
<https://doi.org/10.1111/ecog.01366>
52. Feeley, K.J., **Rehm, E.** ^G, Stroud, J.T. (2014) There are many barriers to species migrations. *Frontiers of Biogeography*: 6(2): fb_22006
<https://doi.org/10.21425/F5FBG22006>
53. Stroud, J.T.^C, **Rehm, E.** ^G, **Ladd, M.C.** ^G, Olivas, P. ^{PD}, Feeley, K.J. (2014) Is conservation money being spent widely? Changing trends in conservation research priorities. *Journal of Nature Conservation*, 22(2014): 471-473
<https://doi.org/10.1016/j.jnc.2014.05.003>

B2. Conference Presentations with Proceedings (Refereed)

54. **Burnetti, A.J.** ^{PD}, **Stroud, J.T.**, Ratcliff, W.C. (2026) The Emergence of Phototrophy Reveals the Importance of Priority Effects in Evolutionary Innovation. *The Astrobiology Science Conference (AbSciCon)* 2026: 307-03
55. **Griffin, K.G.** ^{UG}, Stroud, J.T. (2026) Testing a core assumption of natural selection: Do individuals match behavior to phenotype? *Integrative and Comparative Biology* 66, 111-112
56. **Griffin, K.G.** ^{UG}, Stroud, J.T. (2026) Examining whether individual ecomorphs arise through phenotype-environment matching in Anoles. *Integrative and Comparative Biology* 66, 111-112
57. **Appleton, M.** ^{UG}, **G Bumbray** ^{HS}, **N Cepeda** ^{HS}, **R Moreno** ^{HS}, **A Barrantes** ^{HS}, Stroud, J.T. (2026) At what spatial scale can top-down effects be detected? A field test with lizards and leaf herbivory. *Integrative and Comparative Biology* 66, 16-16
58. Stroud, J.T. (2026) A multi-species field study of Arnold's morphology-performance-fitness paradigm. *Integrative and Comparative Biology* 66, 276-276
59. **Griffin, K.G.** ^{UG}, Stroud, J.T. (2025) Micro-environmental correlates of species distributions within an island lizard community. *Integrative and Comparative Biology* 65, 191-191
60. **Weigman, T.** ^{UG}, Stroud, J.T. (2025) Lightweight Wearable Accelerometer for Real-Time Monitoring of Animal Movement. *Integrative and Comparative Biology* 65, 556-556
61. **Lee, H.** ^{UG}, Stroud, J.T. (2025) Differences in form-function relationships between the sexes: A test using Anolis lizards. *Integrative and Comparative Biology* 65, 291-291
62. **Wynn, L.** ^{UG}, Stroud, J.T. (2025) Estimating a multi-species sprinting performance landscape in an Anolis lizard community. *Integrative and Comparative Biology* 65, 575-576
63. **Vazquez, E.** ^{UG}, Stroud, J.T. (2025) Searching for biting performance peaks on a multi-species form-function landscape. *Integrative and Comparative Biology* 65, 537-537
64. **Appleton, M.** ^{UG}, Stroud, J.T. (2025) Spatial relationships between insect prey and *Anolis* lizards in an island community. *Integrative and Comparative Biology* 65, 19-19

B3. Other Refereed Material

No data.

B4. Submitted Journal Articles

65. **Stroud, J.T.** ^C, Freeman, B.G. (in review). Ecological release from predators, not competitors, drives the island syndrome in Caribbean *Anolis* lizards. *Nature*
66. Chia, W.C. ^G, Jahanshahi, I. ^G, Loh, L.Y. ^G, Zheng, A. ^G, Verma, N. ^G, Musmann, S., Shi, B. ^G, **Stroud, J.T.** ^C (in review) LizardLens: A Two-Stage Deep Learning Pipeline for Detecting and Classifying Similar Species in Visually Complex Environments. *Ecology and Evolution*
 bioRxiv link: <https://doi.org/10.64898/2026.06.10.731342>
67. Quintana, M. ^G, Loh, L.Y. ^G, Parikh, A. ^G, Suh, J.J., Chavez, V. ^G, Porto, A., Shi, B. ^G, Stroud, J.T. ^C (in review) AutoMorph: A generalizable machine learning framework for automated anatomical landmark detection in digital images. *Ecology and Evolution*
 bioRxiv link: <https://doi.org/10.64898/2026.06.10.731351>
68. Hagood, J. ^G, Yang, F. ^G, Motiwale, S. ^G, Shi, B. ^G, Cannon, J.B., Stroud, J.T. ^C (in review) PyTLidar: A Python Package for Tree QSM Modeling from Terrestrial Lidar Data. *Journal of Open Source*

Software

Preprint: <https://doi.org/10.32942/X2XP99>

C. Other Publications and Creative Products

69. Stroud, J.T.^C, Losos, J.B. (2025) “3-legged lizards can thrive against all odds, challenging assumptions about how evolution works in the wild”. *The Conversation*, <https://theconversation.com/3-legged-lizards-can-thrive-against-all-odds-challenging-assumptions-about-how-evolution-works-in-the-wild-262467>
***12,000 reads since 10/13/2025**
70. Stroud, J.T.^C (2025) “What the secret lives of lizards tell us about evolution”. *The Washington Post* online 3/23/25; in print 3/25/23
<https://www.washingtonpost.com/science/2025/03/23/anoles-lizard-island-evolution-traits/>
***11,105 reads in the first 24 hours online; print readership of ca. 100,000**
71. Stroud, J.T.^C (2025) “Amid a tropical paradise known as 'Lizard Island,' researchers are cracking open evolution's black box – scientist at work”. *The Conversation*, <https://theconversation.com/amid-a-tropical-paradise-known-as-lizard-island-researchers-are-cracking-open-evolutions-black-box-scientist-at-work-246474>
***>10,000 reads since 3/25/2025**
72. Moore, M.P., Stroud, J.T. (2023) Climate change is already forcing lizards, insects and other species to evolve – and most can’t keep up. *The Conversation*, <https://theconversation.com/climate-change-is-already-forcing-lizards-insects-and-other-species-to-evolve-and-most-cant-keep-up-215222>
***>15,000 reads since 11/21/2023**
73. Martin, T.E.^{PD}, Gillespie, G.R., Kusrini, M.D., Stroud, J.T. (2020) *Xenochrophis trianguligerus* (Sulawesi Triangle Keelback). Diet and feeding behavior. *Herpetological Review*, 51(3): 631-632
74. Stroud, J.T.^C, Geneva, A.^{PD}, Losos, J.B. (2019) Preface: An Update on Anole Biology. In: *Anolis Newsletter VII*. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
75. Walker, K.^{UG}, Battles, A.C.^G, Stroud, J.T.^C (2019) Inter-specific predation between two eco-morphologically similar *Anolis* lizards. In: *Anolis Newsletter VII*. p. 296-300. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
76. Stroud, J.T.^C (2019) Using introduced anoles as natural experiments in ecology and evolution. In: *Anolis Newsletter VII*. p. 242-260. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis
77. Stroud, J.T.^C (2019) Thoughts on the ecology and evolution of anoles; insights from 5 years of meandering strolls. In: *Anolis Newsletter VII*. p. 261-274. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
78. Mothes, C.C.^G, Stroud, J.T., Clements, S.L.^G, Searcy, C.A. (2019) Prediction the invasion dynamics of anoles (and other lizards) using ecological niche modeling. In: *Anolis Newsletter VII*. p. 194-205. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
79. Mantilla, D.C.^G, Morales, S.D., Parra-Medina, R., Stroud, J.T.^C (2019) Histopathology of large epidermal cysts on the invasive Puerto Rican Crested Anole (*Anolis cristatellus*) in Miami, Florida USA. In: *Anolis Newsletter VII*. p. 154-157. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO

80. **Ljustina, O.** ^{UG}, **Stroud, J.T.** ^C (2019) Little evidence for size-structured habitat use in a diverse *Anolis* community. In: *Anolis Newsletter VII*. p. 136-143. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
81. Giery, S.T. ^{PD}, **Stroud, J.T.** (2019) Geographic variation in trophic ecology of the Brown anole (*Anolis sagrei*): species-rich communities are composed of more diverse populations. In: *Anolis Newsletter VII*. p. 76-100. Eds. Stroud, J.T., Geneva, A., Losos, J.B. Washington University, St. Louis MO
82. **Stroud, J.T.** ^C, Setzer, K. (2019) Geckos in the Garden: Florida Reef Gecko (*Sphaerodactylus notatus*). *The Tropical Garden: Magazine of the Fairchild Tropical Botanic Garden*
83. **Maurer, A.** ^G, **Stroud, J.T.** (2019) *Anolis wattsi* (Watts' anole). Nocturnal activity. *Herpetological Review*, 51(1): 119
84. **Stroud, J.T.** ^C, Sanger, T.J. (2019) *Hemidactylus mabouia* (African House Gecko). Predation by *Anolis carolinensis* (American Green Anole). *Herpetological Review*, 51(1): 125
85. Simpson, S.E., Giery, S.T. ^{PD}, **Stroud, J.T.**, Thawley, C.J. ^{PD} (2018) *Anolis sagrei* (Brown anole). Predation. *Herpetological Review*, 50(2): 363-4
86. **Campbell, N.** ^{HS}, Thawley, C.J. ^{PD}, **Stroud, J.T.** ^C (2018) *Anolis cristatellus* (Puerto Rican Crested Anole). Cannibalism. *Herpetological Review*, 49(1): 27-28
87. Thawley, C.J. ^{PD}, **Stroud, J.T.** (2017) *Phelsuma grandis* (Madagascan Giant Day Gecko). Geographic distribution: New record for Miami-Dade County. *Herpetological Review*, 48(4): 812
88. **Ljustina, O.** ^{UG}, **Stroud, J.T.** ^C (2017) *Anolis carolinensis* (American Green Anole). Kleptothermy. *Herpetological Review*, 48 (2): 434-435
89. **Ljustina, O.** ^{UG}, **Stroud, J.T.** ^C (2016) *Anolis equestris* (Cuban Knight Anole): Novel predator-prey interaction. *Herpetological Review*, 47(3): 459-460
90. **Ljustina, O.** ^{UG}, **Stroud, J.T.** ^C (2016) *Anolis cristatellus* (Puerto Rican Crested Anole): Absent tympanum. *Herpetological Review*, 47(3): 459
91. Martin, T. ^{PD}, Guillemin, M., Eudeline, R., Landsmann, C., Nivet-Mazerolles, V., **Stroud, J.T.** (2015) Reptiles and Amphibians of Semi deserts, Mountains, and other habitats of South Central Uzbekistan. *Chicago Field Museum of Natural History*
92. **Stroud, J.T.** ^C (2015) Reptiles y anfibios de Amacayacu parque Nacional, Amazonas – Colombia (Reptiles and amphibians of Amacayacu National Park, Amazonas – Colombia). *Chicago Field Museum of Natural History*
93. **Stroud, J.T.** ^C (2013) *Anolis equestris* (Cuban Knight Anole): Exotic intra-guild predation. *Herpetological Review* 44(4): 660-661
94. **Stroud, J.T.** ^C, **Beckles, W.** ^G (2014) *Anolis cristatellus* (Puerto Rican Crested Anole): Abnormal dewlap color. *Herpetological Review*, 45(4): 693-694
95. **Stroud, J.T.** ^C (2014) An introduction to the lizards of Fairchild Tropical Botanical Gardens. *The Tropical Garden: Magazine of the Fairchild Tropical Botanic Garden*, 69(1): 28-29
96. **Stroud, J.T.** ^C, **Giery, S.T.** ^G (2013) *Anolis equestris* (Cuban Knight Anole): Nocturnal activity. *Herpetological Review* 44(4): 661
97. **Stroud, J.T.** ^C, Krysko, K.L. (2013) *Ctenosaura similis* (Gray's Spiny-tailed Iguana): Non-native diet. *Herpetological Review* 44(2):322

D. Presentations

Invited presentations at conferences, meetings and workshops:

1. Society for Integrative and Comparative Biology	2026
2. British Ecological Society	2024
3. Third Joint Congress on Evolutionary Biology	2024
4. Evolution	2021
5. American Society of Naturalists, Early Career Investigator Award talk	2021
6. American Genetics Association President's Symposium <i>"Origins of Adaptive Radiation"</i>	2018
7. Evolution	2017
8. Ecological Society of America <i>"New Frontiers in Conservation Ecology of Tropical Reptiles and Amphibians"</i>	2016
9. Ecological Society of America	2016
10. Joint Meeting of Ichthyology and Herpetology <i>"Social behavior in reptiles: Secretive does not mean asocial"</i>	2016
11. Joint Meeting of Ichthyology and Herpetology	2014
12. Joint Meeting of Ichthyology and Herpetology	2013
13. Amphibian and Reptile Group (ARG) National Conference	2011
14. Reptile and Amphibian Working Group (RAWG) Conference on Venomous Reptiles, Zoological Society of London, UK	2010
15. Postgraduate Research Conference, University of Hull	2009

Invited presentations at universities & institutes:

1. David & Lucile Packard Foundation (upcoming)	2026
2. Tennessee Tech University (upcoming)	2026
3. University of Toronto, Canada	2026
4. University of North Carolina, Wilmington	2025
5. University of Georgia	2025
6. University of Florida, Bob Holt seminar series	2025
7. Institute for Matter and Systems, Georgia Tech	2024
8. Kennesaw State University	2024
9. Florida Museum of Natural History, University of Florida	2024
10. Southeast Regional Invasive Species & Climate Change (SE RISCC)	2023
11. University of British Columbia	2023
12. Georgia Institute of Technology	2023
13. University of Colorado, Denver	2022
14. Stanford University	2022
15. Iowa State University	2021
16. Austin Peay State University	2021
17. University College London	2021
18. Living Earth Collaborative, Washington University in St. Louis	2021
19. Forfar Field Research Station	2019
20. University of West Indies, Mona	2019
21. University of Miami	2019
22. University of Missouri, St. Louis	2019
23. National Great Rivers Research and Education Center	2019

E. Grants and Contracts**E1. As Principal Investigator**Currently funded:**Total awarded funding as Lead PI since starting at Georgia Tech = \$1,337,600**

Title:	Using ultra-light wearable sensors to study animal behavior
Agency:	Georgia Institute of Technology
Total Amount:	\$96,800
Role:	PI
Collaborators:	Freeman (BioSci), Weigl (BioSci)
Contract Period:	Awarded 7/22/2026
PI's Share:	100%

Title:	Acclimation and Adaptation: Rapid Physiological Responses to the Climate Crisis
Agency:	Simon's Foundation: Graduate Fellowship in Ecology and Evolution
Total Amount:	\$265,800
Role:	PI
Collaborators:	None
Contract Period:	Awarded 6/30/2026
PI's Share:	100%

Title:	Revealing Evolution's Hidden Pathways: How Behavior Shapes Natural Selection
Agency:	David and Lucille Packard Foundation, Fellowship for Science and Engineering
Total Amount:	\$875,000
Role:	PI
Collaborators:	None
Contract Period:	Awarded 9/17/2025
PI's Share:	100%

Title:	Award in Field Biology
Agency:	Maxwell/Hanrahan Foundation
Total Amount:	\$100,000
Role:	PI
Collaborators:	None
Contract Period:	Awarded 6/10/2025
PI's Share:	100%

Previous funding:

Title:	Asymmetric character displacement in evolutionary novel <i>Anolis</i> lizards
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Agency:	NSF DEB (Division of Environmental Biology)
Total Amount:	\$16,105
Role:	PI
Collaborators:	None
Contract Period:	2016-2018
PI's Share:	100%

Title:	Investigating the threat of invasive brown anoles (<i>Anolis sagrei</i>) on endangered Bermuda skinks (<i>Plestiodon longirostris</i>)
Agency:	Eric Clee Award, Bermuda Government
Total Amount:	\$5,500
Role:	PI
Collaborators:	None
Contract Period:	2015
PI's Share:	100%

E2. As Co-Principal Investigator

Previous funding:

Title:	Climate solutions in the most biodiverse regions on Earth: testing whether warming temperatures have set in motion an “escalator to survival” in tropical rainforests
Agency:	Climate Change Solutions SEEDS funding
Total Amount:	\$15,000
Role:	Co-PI
Collaborators:	Freeman (Bio, PI), Bhamla (Chem Engineering), Aghazadeh (ECE)
Contract Period:	6/2024-6/2025
Co-PI's Share:	25%

Title:	Identifying and amplifying Georgia Tech's research strengths in conserving Georgia's biodiversity in the face of rapid global change
Agency:	Georgia Tech Sustainability Next Research seed grant
Total Amount:	\$20,000
Role:	Co-PI
Collaborators:	McGuire (Bio, PI), Freeman (Bio), Bhamla (Chem Engineering)
Contract Period:	2024-2025
Co-PI's Share:	25%

E3. As Senior Personnel or Contributor

None.

E4. Pending Proposals

As PI:

Title:	*Title TBD*
Agency:	Alfred P. Sloan Foundation
Total Amount:	\$75,000
Role:	PI
Collaborators:	None
Contract Period:	In Review. Submitted 09/15/2026
PI's Share:	100%

Title:	CAREER: A comprehensive investigation into the dynamics of natural selection in the wild.
Agency:	NSF DEB (Division of Environmental Biology)
Total Amount:	\$1,286,545
Role:	PI
Collaborators:	None
Contract Period:	Declined.
PI's Share:	100%

As Co-PI:

Title:	Collaborative Research: Avatar-Bot: High-Performance Legged Robots for Low-Gravity Extraterrestrial Missions.
Agency:	NSF FRR (Foundational Research in Robotics)
Total Amount:	\$717,182
Role:	PI
Collaborators:	None
Contract Period:	In Review. Submitted 05/13/2026.
PI's Share:	\$105,306

Title:	Collaborative Research: Scaling Laws and Forbidden Forms: Physical Principles Governing Locomotory Diversity
Agency:	NSF PoLS (Physics of Living Systems)
Total Amount:	\$589,785
Role:	PI
Collaborators:	None
Contract Period:	Declined.
PI's Share:	\$294,047

Title:	Collaborative Research: Testing if hypoxia is a physiological barrier to the upslope migration of a flying insect
Agency:	NSF IOS (Integrative Organismal Systems)
Total Amount:	\$1,306,454
Role:	PI

Collaborators:	None
Contract Period:	Declined.
PI's Share:	\$682,428

V. Education

A. Courses Taught

Fall 2026	BIOS 4460-D Communicating Biological Research	14 students
Spring 2026	BIOS 2300 Intro to Ecology	75 students
Fall 2025	BIOS 2300 Intro to Ecology	141 students
Fall 2025	BIOS 4460-D Communicating Biological Research	11 students
Spring 2025	BIOS 4460-B Communicating Biological Research	16 students
Spring 2025	BIOS 4460-C Communicating Biological Research	16 students

B. Individual Student Guidance

*students who have published Stroud Lab research (lead or co-author)

†students who have presented Stroud Lab research at an international conference

B1. Ph.D. students

Stroud Lab PhD students

1. Samuel Clay	Biology	Fall 2026 commencement
2. Emma Glenn	Biology	Fall 2025-present
3. Taylor Cooper*†	Bioinformatics	Fall 2024-present

Rotation PhD students

4. Marissa Douglas	QBios	Spring 2026
5. Elena Meigs	QBios	Spring 2025
6. Haowen He	QBios	Fall 2024
7. Ben Doshna*	QBios	Spring 2024

B2. M.S. students

Before joining Georgia Tech, I co-supervised two MSc students from the UK (University of Exeter); one of which completed a PhD after.

At Georgia Tech, I have had 32 Master's students rotate in my lab or otherwise conduct Stroud Lab research as part of their Master's degree course.

School of Biological Sciences

1. Matthew Anderson	Biology (non-thesis)	Fall 2025 (present)
2. Sydney Marks	Biology (non-thesis)	Spring 2024

School of Computer Science (OMSCS students)

Project: LizardMorph: Automated morphometric landmarking of biological images

3. Ayush Parikh	Summer 2024-Fall 2024
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- | | |
|-----------------------|---------------------|
| 4. Mercedes Quintana* | Fall 2024-present |
| 5. Le Lang Loh* | Spring 2025-present |
| 6. Travis Taylor | Fall 2025 |
| 7. Junling Zhuang | Fall 2025 |
| 8. Dylan Herbig | Fall 2025 |
| 9. Ashna Upadhyay | Fall 2025 |

Project: Automated landmarking of 3D models generated from CT scans

- | | |
|--------------------|-----------------------|
| 10. Philip Woolley | Fall 2024-Spring 2025 |
|--------------------|-----------------------|

Project: Integrating radiograph landmarking into DeepLabCut processing of animal videos

- | | |
|--------------------------------|-----------------------|
| 11. Junsoo Park | Summer 2024 |
| 12. Ruiqing Wang | Fall 2025 |
| 13. Taran Lau | Spring 2025 |
| 14. Guru Raj Vaishnav Akuthota | Spring 2025 |
| 15. Aleksandr Spiridinov | Spring 2025-present |
| 16. Louis DiMuro | Fall 2025-Spring 2026 |
| 17. Frank Hoffman | Fall 2025-Spring 2026 |

Project: Developing fine scale Tree QSM models for Terrestrial LIDAR point cloud data

- | | |
|--------------------------------------|-------------------------|
| 18. Luis Valentin Rodriguez Gonzalez | Fall 2025 |
| 19. Ali Sean Khan | Spring 2025-present |
| 20. Alex Hinds | Spring 2025-present |
| 21. Avish Parmar | Spring 2025-present |
| 22. John Hagood* | Spring 2025-Spring 2026 |
| 23. Fan Yang* | Spring 2025-Spring 2026 |

Project: A cascading deep learning framework for small object detection in images

- | | |
|---------------------|--------------------------|
| 24. Wen Ha Chia | Spring 2025-Summer 2026 |
| 25. Ilia Jahanshahi | Spring 2025- Summer 2026 |
| 26. Anqi Zhang | Spring 2025- Summer 2026 |
| 27. Niral Verma | Spring 2025 |
| 28. Shuyu Tian | Spring 2025 |
| 29. Ming Zhong | Spring 2025 |
| 30. Jacob Dallaire | Fall 2024 |

Project: 'lande': An R package for analyzing and visualizing natural selection

- | | |
|---------------------------|-------------------|
| 31. Vanessa (Wenxia) Zhou | Fall 2025-present |
| 32. Tadeas Lobreis | Fall 2025 |

B3. Undergraduate Students

Before joining Georgia Tech, I mentored 11 undergraduates from USA, 1 undergraduate from Italy, and 7 from the UK.

At Georgia Tech, I have mentored 29 undergraduates, of which 24 are Georgia Tech students.

*undergraduates who have published Stroud Lab research (lead or co-author)

†undergraduates who have presented Stroud Lab research at an international conference

STSenior Research Thesis in Stroud Lab

^{FR}Conducted off-campus field research with Stroud Lab

1. Jessica Vu	Spring 2024
2. Jiyeon Maeng	Spring 2024
3. Abhijat Chauhan	Spring 2024
4. Neha Srinivasa	Spring 2024
5. Abigail Carlsen	Spring 2024
6. Ayushi Rajpoot	Spring 2024
7. Timothy Weigman ^{†FR}	Spring 2024-Fall 2024
8. Elijah Vazquez* ^{†ST, FR}	Spring 2024-Spring 2025
9. Gabriel Anderson	Spring 2024
10. Jenasis Campbell	Spring 2024
11. Kathleen Griffin* ^{†ST, FR}	Spring 2024- Spring 2026
12. Miles Appleton* ^{†ST, FR}	Spring 2024-Spring 2026
13. Brynne Hobart	Fall 2024-present
14. Larkin Wynne ^{†ST, FR}	Fall 2024- Spring 2026
15. Haelin Lee ^{†FR}	Fall 2024-present
16. Ashlyn Willis ^{FR}	Spring 2025-present
17. Loan (Rita) Tran ^{FR}	Fall 2025-present
18. Evan Peak	Fall 2025-Spring 2026
19. Elle Garman ^{FR}	Fall 2025-present

1 student (Miles Appleton) has received a UROP/PURA award; 2 students (Miles Appleton & Kathleen Griffin) have UROP/PURA awards under review for Spring 2025.

I also co-advised, with Dr. Michael West (School of Electrical Computing and Engineering [ECE]), an undergraduate Capstone Senior Design Team, who designed and engineered a wearable accelerometer for biological field studies (students were either ECE, Mechanical Engineering, or Computer Science):

20. Samanta Rosa Dockey	Fall 2024
21. Kevin Garza	Fall 2024
22. Ian Mitchell Bugbee	Fall 2024
23. Rachel Leigh Burrell	Fall 2024
24. Jacob David Peterson	Fall 2024

Additionally, I have also advised five non-Georgia Tech undergraduates:

25. Daniel Xingxuan Shi	Cornell University	Fall 2023-Fall 2024
26. Samuel Clay* ^{FR}	University of Miami	Fall 2023-Fall 2024
27. Jonathan Asher ^{FR}	University of Miami	Summer 2024
28. Abigal Arnashus* ^{FR}	University of Miami	Summer 2024
29. Alex Nuñez ^{FR}	Rutgers University, Camden	Summer 2024

B4. Service on Thesis Committees

Sidharth Srinivasan	PhD student, QBiod	2026-present (Freeman Lab)
Pranav Gokhale	PhD student, Biology	2025-present (Freeman Lab)

Breanna Shi	PhD student, Bioinformatics	2024-present (McGrath Lab)
Andrew Robertson	PhD student, Biology	2023-present (Goodisman Lab)
Katherine Slenker	PhD student, Biology	2023-present (McGuire Lab)

B5. Mentorship of Postdoctoral Fellows and Visiting Scholars

No data.

B6. Mentorship of High School Students

I have also mentored four High School students in collaboration with the Fairchild Tropical Botanic Garden's high school research internship (Miami-Dade County, Florida):

1. Anabelle Barrantes ^{FR}	11 th Grade, BioTECH @ Richmond Heights	Summer 2025
2. Georgia Bumbray ^{FR}	10 th Grade, BioTECH @ Richmond Heights	Summer 2025
3. Noah Souljah Cepeda ^{FR}	11 th Grade, BioTECH @ Richmond Heights	Summer 2025
4. Renzo Moreno ^{FR}	11 th Grade, Coral Reef High School	Summer 2025

C. Educational Innovations and Other Contributions

I invented *LizardLens*, an app for automated species identification of *Anolis* lizards in Florida, designed to be used by middle school science students. *LizardLens* is a two-stage deep learning pipeline that first detects individual anoles with a fine-tuned YOLOv8x model, then crops and classifies each one with a Swin Transformer, trained on 10,000 verified iNaturalist photographs spanning five Florida anole species. Splitting detection from classification let each stage specialize, and the pipeline reached 83.0% top-1 accuracy and an F1-score of 0.890, beating the best single-stage YOLO model by 10.5 to 13.2% across every metric. I built it to turn species identification, ordinarily a barrier for non-expert users like middle school students, into the entry point for scientific participation: deployed as a web app, *LizardLens* gives middle schoolers in the *Lizards on the Loose* program immediate, probability-ranked predictions for five species (some of which look extremely similar!) instead of a guess, and lets them correct bounding boxes by hand when the model gets it wrong. That correction step is the education: each validated prediction becomes a real iNaturalist observation, so students are producing usable biodiversity data rather than practicing on a simulation of it.

Chia, W.C., Jahanshahi, I., Loh, L.Y., Zheng, A., Verma, N., Musmann, S., Shi, B., Stroud, J.T. (*in review*) LizardLens: A Two-Stage Deep Learning Pipeline for Detecting and Classifying Similar Species in Visually Complex Environments. *Ecology and Evolution*
 bioRxiv link: <https://doi.org/10.64898/2026.06.10.731342>

VI. Service

A. Professional Contributions

Editorial boards

I recently served a Guest Editor for the inaugural issue of the *Evolutionary Journal of the Linnean Society*, “A Global Perspective on Adaptive Radiation”, in which I was the Handling Editor for six manuscripts (five published, one rejected). I have also served as a Guest Editor for *The Southeastern Naturalist*.

Paper review

I generally receive 10-30 review requests per year, of which I typically review 30-50% of papers. Throughout my career, I have reviewed for 50 journals, including:

Nature Climate Change, Global Change Biology, Ecological Monographs, Current Biology, Ecology Letters, Proceedings of the National Academy of Sciences, Systematic Biology, Diversity and Distributions, Molecular Ecology, Evolution Letters, Functional Ecology, Ecography, Biological Conservation, Proceedings of the Royal Society B, Journal of Animal Ecology, Biodiversity and Conservation, Evolution, The American Naturalist, Journal of Biogeography, Heredity, Oikos, Biological Invasions, Zoological Journal of the Linnean Society, Biological Journal of the Linnean Society, Journal of Zoology, Animal Behaviour, Physiological and Biochemical Zoology, Austral Ecology, Evolutionary Ecology, Journal of Thermal Biology, PeerJ, Ecology and Evolution, FACETS, Herpetologica, Herpetozoa, Current Herpetology, Herpetology Notes, The Herpetological Journal, Herpetological Conservation & Biology, Journal of Natural History, Current Zoology, Journal of Ecology & the Natural Environment, The Southeastern Naturalist, Proceedings of the Biological Society of Washington, Evolutionary Journal of the Linnean Society, Amphibia-Reptilia, Journal of Urban Ecology, Cold Spring Harbor Laboratory Press, Journal of Natural History, Current Zoology, Herpetological Conservation & Biology, The Southeastern Naturalist, and Proceedings of the Biological Society of Washington.

Grant review

In 2025, I reviewed a grant proposal for the Norwegian Academy of Science. I was asked to review grants from The Leverhulme Trust and Israel Science Foundation but declined due to availability.

B. Public and Community Service

Community Science and Middle School Student Scientists

Founder and lead coordinator of “*Lizards on the Loose*”, a community science project supported by the Fairchild Challenge (the educational department of the Fairchild Tropical Botanic Garden in Miami, Florida), a national award-winning community science and outreach education program which annually engages >70,000 K-12 students (>90% of which are underrepresented minorities) and teachers from >250 schools in south Florida. Each year, typically >3,000 middle school students from 30-60 south Florida middle schools contribute to the *Lizards on the Loose* project, which has resulted in >10,000 *iNaturalist* verified species identification records (www.inaturalist.com).



Stroud (center) with Stroud Lab members (left, center right, right) during an education event with

Carrollton Middle School in Coral Gables, Florida, in October 2025.

Elementary and Middle School science book

Lizards on the Loose is now one of the largest middle school science projects in the world and features heavily in a book to be published in late 2022, "The Lizard Scientists: Studying Evolution in Action" (Publisher: HMH Books for Young Readers).

<https://www.juniorlibraryguild.com/the-lizard-scientists-studying-evolution-9780358381402j>

Community science events in South Florida

- An introduction to the ecology and evolution of Miami lizards 2025
(60 middle school students from Carrollton School of the Sacred Heart, including 8 teachers)
- An introduction to R for High School students 2025
- An introduction to the lizards of Fairchild Garden 2024
(40 elementary school students from 5 schools, including 10 teachers)
- An introduction to the lizards of Fairchild Garden 2022
(10 high school student interns)
- The Fairchild Challenge Teacher's Forum 2022
(18 schools; 26 teachers)
- Fairchild Challenge Middle and High School Launch Brunch 2021
(114 schools; 132 teachers; 2021-2022)
- An introduction to *Lizards on the Loose* and using iNaturalist 2020
(Zoom seminars with Middle Schools during COVID pandemic)
- Exploring environmental careers workshop: High school students 2020
(5 schools; 66 students)
- Fairchild Challenge Middle School students annual award ceremony 2019
(Students and Teachers from >60 schools)
- "*Lizards on the Loose*" judging panel: Middle School students 2019
- Fairchild Challenge Middle and High School Launch Brunch 2019
(118 schools; 146 teachers)
- Exploring environmental careers workshop: High school students 2019
(5 schools; 70 students)
- Fairchild Challenge Middle School students annual award ceremony 2018
(Students and Teachers from >60 schools)
- "*Lizards on the Loose*" judging panel: Middle School students 2018
- Fairchild Challenge Middle and High School Launch Brunch 2018
(112 schools; 130 teachers)
- Exploring the nocturnal biodiversity of Fairchild Gardens 2018
(30 high school students)
- Exploring environmental careers workshop: High school students 2018
(5 schools; 35 students)
- Fairchild Challenge Middle School students annual award ceremony 2017
(Students and Teachers from >60 schools)
- "*Lizards on the Loose*" judging panel: Middle School students 2017
- Fairchild Challenge Middle and High School Launch Brunch 2017
(112 schools; 132 teachers)
- Exploring the nocturnal biodiversity of Fairchild Gardens 2017
(25 high school students)
- Exploring environmental careers workshop: High school students 2017
(5 schools; 48 students)

- Fairchild Challenge Middle School students annual award ceremony (Students and Teachers from >60 schools)	2016
- "Lizards on the Loose" judging panel: Middle School students	2016
- Fairchild Challenge Middle and High School Launch Brunch Starter event (100 schools; 107 teachers; 2016-2017)	2016
- "Lizards on the Loose" judging panel: Middle School students	2015
- Fairchild Challenge Middle and High School Challenge Starter event (96 schools; 101 teachers)	2015
- "Lizards on the Loose" judging panel: Middle School students	2014
- Fairchild Challenge Middle and High School Challenge Starter event (70 schools; 85 teachers)	2014
- How I got into grad school: High school students (26 high school students)	2013

Press coverage (*of published work since joining Georgia Tech, 2023*)

High impact media

2025 **New York Times** (>11.9 million global readership) gave our research the front page of their print newspaper: [‘Pirate Lizards’ Can Get Around on 3 Legs](#)

2025 **South Florida Sun Sentinel** (>750,000 weekly readership) gave our research the front page of their print newspaper: [The Lizard Wars of South Florida Help Reveal How Evolution Works](#)

2024 **Quanta magazine** (>2 million unique page views per month) highlighted our lab’s research in a long-form article (2024): [Evolution: Fast or Slow? Lizards Help Resolve a Paradox](#)

2024 **Scientific American** (>9 million global readership) ran a short story on our lab’s PNAS 2023 paper: [‘Living Fossil’ Lizards Are Constantly Evolving—You Just Can’t See It](#)

2023 **South Florida Sun Sentinel** (750,000 weekly readership) wrote a story on our lab’s research which they used as the in-print cover story: [How South Florida Are Reshaping Darwin’s Theory of Evolution](#)

Typical media features:

Stroud and Ratcliff 2025 Nature

- [Nature's time machine: How long-term studies unlock evolution's secrets](#): Phys.org
- [Long-Term Studies Unlock Evolution's Secrets](#): Mirage News
- [Amid a tropical paradise known as ‘Lizard Island,’ researchers are cracking open evolution’s black box – scientist at work](#): Houston Chronicle
- [Amid a tropical paradise known as ‘Lizard Island,’ researchers are cracking open evolution’s black box – scientist at work](#): SFGate
- [Amid a tropical paradise known as ‘Lizard Island,’ researchers are cracking open evolution’s black box – scientist at work](#): The Conversation

- [Amid a tropical paradise known as 'Lizard Island,' researchers are cracking open evolution's black box – scientist at work](#): Shelton Herald
- [Amid a tropical paradise known as 'Lizard Island,' researchers are cracking open evolution's black box – scientist at work](#): Seattle Post-Intelligencer
- [Evolution in Real Time on Lizard Island](#): Anole Annals
- [Как долгосрочные исследования раскрывают секреты эволюции](#): AB-News Russia
- [From The Georgia Institute of Technology: “Nature’s Time Machine – How Long-Term Studies Unlock Evolution’s Secrets”](#): Science Springs
- [Cracking Open Evolution’s Black Box on 'Lizard Island'](#): Atlas Obscura

Stroud et al. 2024 Nature Communications

- [Scientists witness evolution in action when two lizard species meet for the first time](#): Phys.org
- [Lizards' First Meeting Shows Evolution in Action](#): Mirage News
- [Lizard meet-up shows evolution in action](#): Futurity
- [Evolution witnessed in real-time as lizard species collide](#): New Atlas
- [Ciência e Espaço Cientistas observam evolução, em tempo real, de duas espécies de lagartos](#): Olhar Digital
- [“Evolution in Real Time” \(Yeah, Right\)](#): Evolution News & Science Today
- [Research on the Lizards Wars of South Florida](#): Anole Annals
- [Evolution witnessed in real-time as lizard species collide](#): Gizmag Emerging Technology Magazine
- [When Two Lizards Meet for the First Time, Scientists Witness Evolution in Action](#): Anole Annals
- [Evolution in Real Time on Lizard Island](#): Anole Annals
- [Cracking Open Evolution’s Black Box on 'Lizard Island'](#): Atlas Obscura

Stroud et al. 2023 PNAS

10/09/2023 ScienceDaily Long-term lizard study challenges the rules of evolutionary biology
<https://www.sciencedaily.com/releases/2023/10/231009191625.htm>

10/09/2023 Newswise Long-term lizard study challenges the rules of evolutionary biology
<https://www.newswise.com/articles/long-term-lizard-study-challenges-the-rules-of-evolutionary-biology?sc=rsla>

- 10/09/2023 Bioengineer Long-term lizard study challenges the rules of evolutionary biology
<https://bioengineer.org/long-term-lizard-study-challenges-the-rules-of-evolutionary-biology/>
- 10/09/2023 ScienMag No lizard is an island <https://scienmag.com/no-lizard-is-an-island/>
- 10/09/2023 Earth dot com Coexisting lizards challenge what we know about natural selection
<https://www.earth.com/news/coexisting-lizards-challenge-what-we-know-about-natural-selection/>
- 10/09/2023 Phys dot org Long-term lizard study challenges the rules of evolutionary biology
<https://phys.org/news/2023-10-long-term-lizard-evolutionary-biology.html>
- 10/10/2023 VerveTimes Challenging The Principles Of Evolutionary Biology: Insights From A Long-Term Lizard Study
<https://vervetimes.com/challenging-the-principles-of-evolutionary-biology-insights-from-a-long-term-lizard-study/>
- 10/10/2023 RawNews Darwin's Dilemma: "Paradox of Stasis" Lizard Study Challenges the Rules of Evolutionary Biology
<https://rawnews.com/darwins-dilemma-paradox-of-stasis-lizard-study-challenges-the-rules-of-evolutionary-biology/>
- 10/10/2023 MirageNews Lizard Study Challenges Evolutionary Biology Rules
<https://www.miragenews.com/lizard-study-challenges-evolutionary-biology-1100069/>
- 10/11/2023 ZAO Life Sciences Measuring the Long-Term Survival of Lizards in the Wild
<https://www.azolifesciences.com/news/20231011/Measuring-the-Long-Term-Survival-of-Lizards-in-the-Wild.aspx>
- 10/14/2023 SciTechDaily Natural Selection Surprises: Evolutionary Lessons From the Wild Lizards of Florida
<https://scitechdaily.com/natural-selection-surprises-evolutionary-lessons-from-the-wild-lizards-of-florida/>

Stories on which I was a Scientific Advisor

- 10/16/2023 Science News Explores Godzilla's atomic breath
<https://www.snexplores.org/article/godzilla-radiation-atomic-breath>
- 8/19/2023 SunSentinel As pythons thrive by the thousands, here's how snake hunts factor into the battle
<https://www.sun-sentinel.com/2023/08/19/as-pythons-thrive-by-the-thousands-heres-how-snake-hunts-factor-into-the-battle/>
- 1/5/2024 The Daily Mail Cannibal tree frogs are invading the US: Human hand-sized amphibians from Cuba have been spotted in Georgia - and officials urge residents to 'kill them' on the spot
<https://www.dailymail.co.uk/sciencetech/article-12930761/cannibal-tree-frog-cuba-invading-georgia.html>
- 9/9/24 Live Science How fast does evolution happen? <https://www.livescience.com/planet-earth/evolution/how-fast-does-evolution-happen>
- 9/16/2024 Live Science Which animals are evolving fastest?
<https://www.livescience.com/planet-earth/evolution/which-animals-are-evolving-fastest>

Media from Collaborative Research

- [Bees and other flying insects at greater risk of extinction as they migrate to higher elevations in changing climate](#): Phys.org
- [Overnight News Digest: “Humanity has opened the gates of hell”](#): Daily Kos
- [As insects flee warming for higher ground, new Colorado research shows the ones with wings struggle to make the escape](#): Colorado Public Radio
- [Overnight News Digest: We did it! Humanity 55% likely to cross 1.5°C of warming this year!](#): Daily Kos
- [Opinion: Protecting Colorado bee and pollinators starts with fighting climate change](#): nation.lk
- [Rising Temperatures Delay Insect Migration to Cooler Heights](#): Mirage News
- [Lizards, fish and other species are evolving with climate change, but not fast enough](#): The Conversation
- [Lizards, fish and other species are evolving with climate change, but not fast enough](#): Yahoo! News
- [Skeptical Science New Research for Week #37 2023](#): Skeptical Science
- [Climate change is already forcing lizards, insects and other species to evolve – and most can’t keep up](#): Environewsbits

C. Institute Contributions

Committee Member: School of Biological Sciences Strategic Hiring Committee	2026
Committee Member: Chair of Biological Sciences Search Committee	2025
Committee Member: Integrative Physiology Search Committee	2025