

JAMES T. STROUD

(he/him)

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CURRENT APPOINTMENT

2018 - Present **Postdoctoral Research Associate**. Washington University in St. Louis, USA.
Advisor: Dr. Jonathan B. Losos

EDUCATION

2018 **Ph.D.** Ecology and Evolution. Florida International University, USA.
Advisor: Dr. Kenneth J. Feeley.

2011 **M.Sc. by Research.** Ecology. University of Hull, UK.

2008 **B.Sc. (Hons).** Zoology with Conservation. University of Wales, Bangor, UK.

AWARDS

2022 **Outstanding Postdoc Mentor Award**
Washington University in St. Louis
**One award annually for >800 postdocs*

2021 **Jasper Loftus-Hills Young Investigator Award**
The American Society of Naturalists

2018 **Excellence in Civic Engagement and Community Outreach Medallion of Distinction**
Office of Student Affairs, Florida International University

2018 **Outstanding Academic Achievement**
College of Arts, Sciences & Education (CASE), Florida International University

2017 **Outstanding Graduate Scholar**
Outstanding Student Life Awards, Division of Academic & Student Affairs, Florida International University
**One award annually for ca. 9,000 graduate students*

2017 **Outstanding Graduate Student Manuscript in STEM**
Provost Award, University Graduate School, Florida International University

PUBLICATIONS

Google Scholar citation metrics: >1,390 citations; h-index = 18; i10-index = 24

ResearchGate research interest score: >1,400

Symbols denote †high school, *undergraduate, and §Master's student co-authors

Published manuscripts

57. Miller, A.H., **Stroud, J.T.**^{1,2}, Losos, J.B.^{1,2}. (2022) The ecology and evolution of key innovations.
Trends in Ecology and Evolution (doi: 10.1016/j.tree.2022.09.005)

¹Corresponding author; ²Joint senior author

56. Miller, A.H., **Stroud, J.T.**¹ (2022) Novel tests of the key innovation hypothesis: Adhesive toepads in arboreal lizards. *Systematic Biology*, 71(1): 139-152

¹Corresponding author

55. Sanger, T.J., Harding, L.*, Kyrkos, J.*, Arnaudoff, L.*, Nunez, S.A.*, Lachance, D.*, Dhindsa, S.*, **Stroud, J.T.**, Diaz, R.E., Czesny, B.* (2021) Environmental thermal stress induces neuronal cell death and developmental malformations in reptiles. *Integrative and Comparative Biology*, 3(1): 1-18

• Cover article

54. Kolbe, J.J., *Gilbert, N., **Stroud, J.T.**, Chejanovski, Z.A. (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

53. **Stroud, J.T.** (2021) Island species experience higher niche expansion and lower niche conservatism during invasion. *Proceedings of the National Academy of Sciences*, 118(1): e2018949118

52. Herrmann, N., **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

51. **Stroud, J.T.**, Mothes, C.C., Beckles, W., Heathcote, R.J.P., Donihue, C.M., Losos, J.B. (2020) An extreme cold event leads to community-wide convergence in lower temperature tolerance. *Biology Letters*, 16(1), doi.org/10.1098/rsbl.2020.0625

• Cover article

• *CNN, Smithsonian Magazine, AAAS EurekAlert!, The Weather Channel, Yahoo News, Science Daily, Science News, Phys.org, The Wildlife Society, Miami Herald, Earth.com, and >100 local and regional news stations in USA*

50. Donihue, C.M., Kowaleski, A., Algar, A., Baeckens, S., 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

• Cover article

• *CNN, New York Times, Inside Science, Phy.org, Miami Herald, Smithsonian Magazine, Atlas Obscura, The Weather Channel, Massive Science*
• Commentary: Huey, R.B., and Grant, P.R. (2020) Lizards, toepads, and the ghost of hurricanes past. *Proceedings of the National Academy of Sciences*, doi: 10.1073/pnas.2006297117

49. 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

48. 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., Pfennig, K., Rubinoff, D., Schluter, D., Seehausen, O., Shaw, K., Stacy, E., Stervander, M., **Stroud, J.T.**, Wagner, C., Wogan, G. (2020) Comparing adaptive radiations across space, time, and taxa. *Journal of Heredity*, 111(1): 1-20

• Cover article

• *Journal of Heredity*, 'Most cited' article 2020, 2021, 2022

47. **Stroud, J.T.**, 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
- *Journal of Heredity*, ‘Most discussed’ article 2020, 2021
46. **Stroud, J.T.**, Thompson, M.E. (2019) Looking to the past to understand the future of tropical conservation: The importance of collecting basic data. *Biotropica*, 51(3): 193-199
- **Cover article**
45. **Stroud, J.T.**, Giery, S.T., Outerbridge, M., Feeley, K.J. (2019) Ecological character displacement alters the outcome of priority effects during community assembly. *Ecology*, 100(8): e02727
- **Cover article**
44. **Stroud, J.T.**, *Colom, M., *Ferrer, P., *Palermo, N., *Vargas, V., *Cavallini, M., *Lopez, J., Jones, I. (2019) Behavioral shifts with urbanization may facilitate biological invasion of a widespread lizard. *Urban Ecosystems*, 22(3): 425–434
43. Mothes, C.C., **Stroud, J.T.**, Clements, S.L., 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
42. Perez, T.M., Valverde, O., Bravo, C., Taylor, T.C., Fadrique, B., Hogan, J.A., Pardo, C.J., **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
41. Feeley, K.J., & **Stroud, J.T.** (2017) Where on Earth are the tropics? *Frontiers of Biogeography*, 10.1-2, e38649
40. Sanger, T.J., *Kyrkos, J., *Lachance, D., *Czesny, B., **Stroud, J.T.** (2018) The effects of thermal stress on the early development of the lizard *Anolis sagrei*. *Journal of Experimental Zoology A*, 329(4): 244-251
39. Giery, S.T., *Vezzani, E., 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
38. **Stroud, J.T.**, Giery, S.T., 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
37. Feeley, K.J., **Stroud, J.T.**, Perez, T.M. (2016) Most global reviews of climate change impacts aren't truly global. *Diversity and Distributions*, 23(3): 231-234
36. **Stroud, J. T.**, & Losos, J.B. (2016) Ecological Opportunity and Adaptive Radiation. *Annual Review of Ecology, Evolution & Systematics*, 47: 507-532
- **Provost’s Award for Outstanding Graduate Student Manuscript in STEM**
Florida International University

35. Kolbe, J.J., VanMiddlesworth, P., Battles, A.C., **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
34. **Stroud, J.T.**, Bush, M.R., Ladd, M.C., Nowicki, R.J., Shantz, A.A., and Sweatman, J. (2015) Is a community still a community? Reviewing definitions of key terms in community ecology. *Ecology & Evolution*, 5(21): 4757-4765
33. Gillespie, G.R., Howard, S., **Stroud, J.T.**, Ul-Hassanah, A., Campling, M., Lardner, B., Scroggie, M., Kusriani, M. (2015) Responses of a tropical herpetofauna community to anthropogenic disturbance and natural habitat variation in Sulawesi, Indonesia. *Biological Conservation*, 192(2015): 161-173
32. Rehm, E., Olivas, P., **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
31. **Stroud, J.T.** and Feeley, K.J. (2015) Responsible academia: Optimizing conference locations to minimize greenhouse gas emissions. *Ecography*, 38(4): 402-404
30. Feeley, K.J., Rehm, E., **Stroud, J.T.** (2014) There are many barriers to species migrations. *Frontiers of Biogeography*: 6(2): fb_22006
23. **Stroud, J.T.**, Rehm, E., Ladd, M.C., Olivas, P., Feeley, K.J. (2014) Is conservation money being spent widely? Changing trends in conservation research priorities. *Journal of Nature Conservation*, 22(2014): 471-473

Editorial Experience: Books/Newsletters

24. **Stroud, J.T.**, Geneva, A., Losos, J.B. **Eds.** (2019) *Anolis Newsletter VII*. pp. 1-323. Washington University, St. Louis MO. doi: 10.7936/gj3-h168

Commentaries, reviews, and letters

27. **Stroud, J.T.** (2017) Ecological opportunity, competition, and diversity-dependence in macroevolution. *Evolution*, doi: 10.1111/evo.13295
26. **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
25. §Tiatragula, S., Murali, G., **Stroud, J.T.** (2017) Different evolutionary dynamics led to the convergence of clinging performance in lizard toepads. *Evolution*, doi:10.1111/evo.13338
24. Perez, T.M., **Stroud, J.T.**, Feeley, K.J. (2016) Thermal trouble in the tropics: Why latitude matters in climate change. *Science*: 351(6280): 1392-1393
29. **Stroud, J.T.** and Feeley, K.J. (2015) A downside of diversity? A response to Gallagher *et al.* *Trends in Ecology and Evolution*, 30(6): 296-297

Natural history and geographic distribution articles

22. Martin, T.E., Gillespie, G.R., Kusurini, M.D., **Stroud, J.T.** (2020) *Xenochrophis trianguligerus* (Sulawesi Triangle Keelback). Diet and feeding behavior. *Herpetological Review*, 51(3): 631-632
21. Maurer, A., **Stroud, J.T.** (2019) *Anolis watsi* (Watts' anole). Nocturnal activity. *Herpetological Review*, 51(1): 119
20. **Stroud, J.T.**, Sanger, T.J. (2019) *Hemidactylus mabouia* (African House Gecko). Predation by *Anolis carolinensis* (American Green Anole). *Herpetological Review*, 51(1): 125
19. Maurer, A.S., Thawley, C.J., Fireman, A.L., Giery, S.T., **Stroud, J.T.** (2018) Nocturnal activity of Antigua lizards under artificial light. *Herpetological Conservation and Biology*, 14(1): 105-110
18. **Stroud, J.T.**, 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
17. Simpson, S.E., Giery, S.T., Stroud, J.T., Thawley, C.J. (2018) *Anolis sagrei* (Brown anole). Predation. *Herpetological Review*, 50(2): 363-4
16. †Campbell, N., Thawley, C.J., Stroud, J.T. (2018) *Anolis cristatellus* (Puerto Rican Crested Anole). Cannibalism. *Herpetological Review*, 49(1): 27-28
15. Giery, S.T., †Donte, R., **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
14. **Stroud, J.T.**, 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
13. 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)
12. Thawley, C.J., **Stroud, J.T.** (2017) *Phelsuma grandis* (Madagascan Giant Day Gecko). Geographic distribution: New record for Miami-Dade County. *Herpetological Review*, 48(4): 812
11. *Ljustina, O., **Stroud, J.T.** (2017) *Anolis carolinensis* (American Green Anole). Kleptothermy. *Herpetological Review*, 48 (2): 434-435
10. **Stroud, J.T.**, Outerbridge, M.E., Giery, S.T. (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
9. **Stroud, J. T.**, & Giery, S.T. (2016) Nesting behavior and egg incubation time of introduced brown basilisks (*Basiliscus vittatus*) in South Florida. *IRCF Reptiles & Amphibians*, 23(2): 104-107
8. *Ljustina O, **Stroud, J.T.** (2016) *Anolis equestris* (Cuban Knight Anole): Novel predator-prey interaction. *Herpetological Review*, 47(3): 459-460
7. *Ljustina O, **Stroud, J.T.** (2016) *Anolis cristatellus* (Puerto Rican Crested Anole): Absent tympanum. *Herpetological Review*, 47(3): 459
6. Martin T, Guillemin M, Eudeline R, Landsmann C, Nivet-Mazerolles V, **Stroud JT.** (2015) Reptiles and Amphibians of Semi deserts, Mountains, and other habitats of South Central Uzbekistan. *Chicago Field Museum of Natural History*

5. **Stroud, J.T.** (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*
4. **Stroud, J.T.** (2013) *Anolis equestris* (Cuban Knight Anole): Exotic intra-guild predation. *Herpetological Review* 44(4): 660-661
3. **Stroud, J.T.**, Beckles, W. (2014) *Anolis cristatellus* (Puerto Rican Crested Anole): Abnormal dewlap color. *Herpetological Review*, 45(4): 693-694
2. **Stroud, J.T.**, and Giery, S. (2013) *Anolis equestris* (Cuban Knight Anole): Nocturnal activity. *Herpetological Review* 44(4): 661
25. **Stroud, J.T.**, and Krysko, K.L. (2013) *Ctenosaura similis* (Gray's Spiny-tailed Iguana): Non-native diet. *Herpetological Review* 44(2):322

Non-peer reviewed publications

Stroud, J.T., Geneva, A., 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

*Walker, K., Battles, A.C., **Stroud, J.T.** (2019) Inter-specific predation between two ecologically similar *Anolis* lizards. *In: Anolis Newsletter VII*. p. 296-300. Eds. **Stroud, J.T.**, Geneva, A., Losos, J.B. Washington University, St. Louis MO

Stroud, J.T. (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 MO

Stroud, J.T. (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

Mothes, C.C., **Stroud, J.T.**, Clements, S.L., 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

Mantilla, D.C., Morales, S.D., Parra-Medina, R., **Stroud, J.T.** (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

*Ljustina, O., **Stroud, J.T.** (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

26. Giery, S.T., **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

Popular publications

Stroud, J.T., Setzer, K. (2019) Geckos in the Garden: Florida Reef Gecko (*Sphaerodactylus notatus*). *The Tropical Garden: Magazine of the Fairchild Tropical Botanic Garden*

Stroud, J.T. (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

GRANTS AND FELLOWSHIPS

Fellowships (including *Teaching Assistantships*)

2017	Dissertation Year Fellowship , Florida International University	\$16,600
2015	Dissertation Evidence Acquisition Fellowship , Florida International University	\$8,300
2012	<i>Graduate Teaching Assistantship</i> , Florida International University	\$115,000
2009	<i>Graduate Teaching Assistant Fellowship</i> , University of Hull	~\$24,000 (GBP £16,000)

Research Grants (> \$5,000) | Total: >\$25,000

2016	National Science Foundation (NSF), Doctoral Dissertation Improvement Grant <i>Asymmetric character displacement in evolutionary novel Anolis lizards</i>	\$16,105
2015	Eric Clee Award, Bermuda Zoological Association	\$5,500
2015	Fairchild Tropical Botanic Gardens, Student Research Grant	\$5,000

Smaller Research Grants (< \$5,000) | Total: >\$15,000

2018	American Genetics Association: Travel Award	\$300
2017	American Society of Naturalists: Graduate Student Research Award	\$2,000
2017	American Society of Naturalists: Graduate Student Travel Award	\$500
2016	ASIH Graduate Student Travel Grant	\$600
2016	LACC Tinker Student Research Grant	\$538
2015	Judith Evans Park Student Research Travel Fund	\$1,000
2015	ICAA Research Fellowship	\$2,000
2015	LACC Tinker Student Research Grant	\$2,500
2014	GPSC Student Travel Fund, Florida International University	\$500
2014	Eric Clee Award, Bermuda Zoological Association	\$2,500
2013	FCE/LTER Student Travel Award, National Science Foundation	\$500
2013	GPSC Student Travel Fund, Florida International University	\$500
2013	Florida International University, Biology student travel grant	\$300
2010	Graduate Student Travel Grant, University of Hull, UK	\$350 (GBP 250)
2009	Robert's Fund, University of Hull, UK	\$1,600 (GBP 1000)

Invited working groups

2021-2024	<i>sPriority</i> - German Centre for Integrative Biodiversity Research (iDiv), Halle-Jena-Leipzig, Germany
2019	<i>Advancing field station research in tropical biology</i> - Cocha Cashu Biological Station, Manu National Park, Peru

Selected presentations

(Presenting author: †undergraduate student mentee; *graduate student mentee)

Invited talks and seminars

2022	University of Colorado, Denver, Department of Integrative Biology, Colorado USA
2022	Stanford University, Department of Biology, California USA
2021	Iowa State University, Iowa USA
2021	Austin Peay State University, Tennessee USA
2021	American Society of Naturalists, <u>Jasper Loftus-Hills Young Investigator Awardee</u> , Joint annual meeting of the American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists.

- 2021 University College London, London UK
 2021 Living Earth Collaborative, Washington University, St. Louis, Missouri USA
 2019 Forfar Field Research Station, Andros Island, Bahamas
 2019 University of West Indies, Mona Campus, Kingston, Jamaica
 2019 University of Miami, Florida USA
 2019 University of Missouri, St. Louis (UMSL), St. Louis, Missouri USA
 2019 Bahamas National Trust and Forfar Field Research Station, Andros Island, Bahamas
 2019 National Great Rivers Research and Education Center, East Alton, Illinois USA
 2019 Washington University, St. Louis, Missouri USA
 2018 American Genetics Association (AGA) President's Symposium,
"Origins of Adaptive Radiation"
 2016 Ecological Society of America, Fort Lauderdale, Florida, USA
"New Frontiers in Conservation Ecology of Tropical Amphibians and Reptiles"
 2016 Joint Meeting of Ichthyology and Herpetology, New Orleans, Louisiana, USA
"Social behavior in reptiles: Secretive does not mean asocial"
 2013 Florida International University's ESA SEEDS Chapter, *"How to apply to graduate school"*
 2010 Reptile and Amphibian Working Group (RAWG) Conference on Venomous Reptiles,
 Zoological Society of London, UK

Contributed talks

- 2021 *Society for the Study of Evolution International Conference (virtual)
"Why are arboreal lizards a tropical phenomenon?"
 2021 *Society for the Study of Evolution International Conference (virtual)
"Novel Tests of the Key Innovation Hypothesis: Adhesive Toepads in Arboreal Lizards"
 2017 Society for the Study of Evolution International Conference, Portland, Oregon USA: *"Character displacement in evolutionary-novel Anolis lizards"*
 2016 Ecological Society of America, Fort Lauderdale, Florida, USA
 2014 Joint Meeting of Ichthyology and Herpetology, Chattanooga, Tennessee, USA
 • *Nominated for Stoye Award for Best Student Presentation*
 2014 Annual Biology Graduate Symposium, Florida International University, USA
 2013 Joint Meeting of Ichthyology and Herpetology, University of New Mexico, USA
 • *Nominated for Stoye Award for Best Student Presentation*
 2013 Annual Biology Graduate Symposium, Florida International University, USA
 2011 Amphibian and Reptile Group (ARG) National Conference, University of Greenwich, UK
 2009 Postgraduate Research Conference, University of Hull UK

Poster Presentations

- 2016 † Florida International University Biology Graduate Symposium, Miami FL, USA
 2016 † Florida International University Biology Graduate Symposium, Miami FL, USA
 2015 Ecological Society of America (ESA) Annual Meeting, Baltimore, USA
 2015 † FIU Undergraduate Research Conference, Florida International University, USA
 2015 † Florida International University Biology Graduate Symposium, Miami FL, USA
 2015 † Florida International University Biology Graduate Symposium, Miami FL, USA
 2014 † McNair Undergraduate Research Conference, Florida International University, USA
 2013 † International Biogeography Society Conference, Florida International University, USA
 2011 British Ecological Society Annual Symposium – *'Forests and Global Change'*, University of Cambridge
 2010 British Ecological Society Annual Meeting, University of Leeds, UK

Selected Media Coverage

- 2021 *Adhesive toepads and the evolution of arboreality in lizards*
ScienceDaily : Phys.org : Newswise : ScienceNewsNet : Futurity : SverigeRadio (Swedish)
St. Louis Public Radio (live interview with graduate student mentee Aryeh Miller)
- 2020 *Thermal physiological responses of tropical lizards to an extreme cold event*
CNN : WUSTL Newsroom : Science Daily : AAAS EurekAlert! : The Weather Channel : Yahoo
News : Phys.org : Earth.com : Science News
- 2020 *Evolutionary effects of hurricanes on Anolis lizards*
NY Times : CNN : AAAS EurekAlert! : Inside Science : Phys.org : Miami Herald : Smithsonian
Magazine : WUSTL Newsroom : WPEC : Atlas Obscura : The Weather Channel : Massive Science
- 2016 “Tropical species are especially vulnerable to climate change”, Phys.org 25/03/2016
- 2015 “Invasive Cuban Lizard Settling Down in Bermuda”, Discovery News 11/12/2015
- 2015 “Invasive Cuban Brown Anole Found on Bermuda Island”, Reptiles Magazine 10/12/2015
- 2015 “New species of lizard found on island”, The Royal Gazette, Bermuda 24/09/2015
- 2012 “Snakes alive! Why the adder is retreating from Yorkshire’s woods”, Yorkshire Post, UK
- 2012 “Snake study sheds light on health of forests”, Whitby Gazette, UK 17/06/2012
- 2012 “Snake-friendly corridors introduced on North York Moors”, York Press, UK 05/06/2012
- 2012 “Reptile expert aims to boost adder population”, Northern Echo, UK 05/06/2012
- 2012 “Brighter future for snake thanks to James’s research”, Scarborough Evening News, UK 12/06/2012
- 2012 “Wildlife routes through North Yorkshire forests could help rare adder”, Real Whitby, UK
- 2012 “Adders need corridors through the woods”, Wildlife Extra, UK – 01/06/2012

Selected Media Commentary

- 2022 “Temperatures — and iguanas — set to plunge this weekend in Florida” by Jacob Feuerstein and Kasha Patel
Washington Post, 01/28/2022
- 2022 “Why Do Lizards Do Pushups? 7 Strange Facts You Didn't Know About the Reptiles” by Tom Fish
Newsweek, 02/18/22
- 2020 “Snake venom evolved in fits and spurts” by Amy McDermott
Proceedings of the National Academy of Sciences (PNAS Blog), 05/15/2020

TEACHING

I have assisted and delivered a range of Environmental Science and Ecology courses during my postgraduate studies. This experience has covered theoretical and practical aspects with very strong field-based components, involving both undergraduate and postgraduate students and is summarized below:

Florida International University, Department of Biological Sciences.

2012-2018

- **QBIC (Quantifying Biology in the Classroom)**
Advanced Ecology Course administrator and coordinator (Advanced undergraduate students): 2 semesters
- **QBIC Advanced Ecology Teaching Assistant**: 1 semester
- **Ecology Lab, Course administrator and coordinator**: 4 semesters
- **Ecology Lab, Teaching Assistant** (All undergraduate levels): 6 semesters

University of Hull (UK), Centre for Environmental and Marine Sciences.

2009-2011

- **Animal Behaviour** (Level 3 - Senior): *2 semesters*
- **Upland Ecology** (Level 3 - Senior): *1 semester*
- **Aquatic Zoology** (Level 2 - Sophomore): *1 semester*
- **Remote Sensing and GIS** (Level 2 - Sophomore): *1 semester*
- **Conservation Biology** (Level 2 - Sophomore): *2 semesters*

DIVERSITY, EQUITY, AND INCLUSION (DEI) PROFESSIONAL TRAINING

Diversity, Equity, and Inclusion (DEI) in Teaching and Mentorship

Washington University in St. Louis, 2018-present (Postdoc)

- **Diversity & Inclusion 4.0: Action**, Office of Postdoctoral Affairs
- **Diversity & Inclusion 3.0: Commitment**, Office of Postdoctoral Affairs
- **(2022 updated) Diversity & Inclusion 2.0: Implicit Bias**, Office of Postdoctoral Affairs
- **(2022 updated) Diversity & Inclusion 1.0: Awareness**, Office of Postdoctoral Affairs
- **Mentorship Training Program**, Center for the Improvement of Mentored Experience in Research (CIMER)
 - 1.1 Maintaining Effective Communication
 - 1.2 Aligning Expectations
 - 2.1 Addressing Equity and Inclusion
 - 2.2 Cultivating Ethical Behavior
 - 3.1 Self-Efficacy
 - 3.2 Fostering Independence and Promoting Professional Development
 - 4.1 Work Life Integration & Articulating your Mentoring Philosophy
- **Teaching to a Diverse Student Population**, The Teaching Center
- **Providing Verbal Feedback**, The Teaching Center
- **Increasing Student Participation**, The Teaching Center
- **(2018) Diversity & Inclusion 2.0: Implicit Bias**, Office of Postdoctoral Affairs
- **(2018) Diversity & Inclusion 1.0: Awareness**, Office of Postdoctoral Affairs

Florida International University, 2016-2018 (PhD Student)

- **Certificate in University Teaching and Learning**, *Center for the Advancement of Teaching*
 - Syllabus and Course Design
 - Assessing Student Learning
 - Culturally-Responsive Teaching

MENTORSHIP AND STUDENT SUPERVISION

*students with whom I have published peer-reviewed research

†students who have presented this research at a conference

°students of underrepresented minorities

Bachelor of Sciences, Honors (BSc Hons) Dissertation research: Sulawesi, Indonesia

- **Alice McPherson** Queens University Belfast, UK 2014
- **Biff Houlston** Bath Spa University, UK 2014
- **Daniel Aindow** University of York, UK 2011
- **Cormac Price** Trinity College Dublin, Republic of Ireland 2011

- **Leanne Fitzgerald** Trinity College Dublin, Republic of Ireland 2011
- **Jamie Mitchell** Sparsholt College, UK 2008
- **Timothy Moxon** University of Southampton, UK 2008

Bachelor of Sciences, Honors (BSc Hons) Dissertation research: Miami, FL USA

- **Enrico Vezzani*** University of Modena, Italy 2016

Master of Sciences (MSc) Thesis research: Miami, FL USA and Exeter, UK

- **Chrissy Miller** University of Exeter, UK 2015-16
- **Sophie Pardeux** University of Exeter, UK 2015-16

Undergraduate research assistants

- **Sam Clay** University of Miami, Miami FL, USA 2022-present
- **Benjamin Krasnoff** Washington University, St. Louis MO, USA 2019-22
- °**Kamau Walker*** Yale University, New Haven CT, USA 2018-22
- °**Saransh Gothi** Washington University, St. Louis MO, USA 2018-19
- °**Martina Cavallini*** Florida International University, Miami FL, USA 2018-19
- °**Jesus Lopez*** Florida International University, Miami FL, USA 2018-19
- °**Ebony Escobar** Florida International University, Miami FL, USA 2016-17
- °**Veronica Vargas*** Florida International University, Miami FL, USA 2014-18
- °**Oliver Ljustina*†** Florida International University, Miami FL, USA 2013-16
- °**Marie Colom*†** Florida International University, Miami FL, USA 2013-16
- °**Pedro Ferrer*** Florida International University, Miami FL, USA 2013-15
- °**Nick Palermo*** Florida International University, Miami FL, USA 2013-15

Graduate Student Mentorship

Graduate student mentor committee 2013-18 (Florida International University), responsible for providing mentorship to the following graduate students (supervisor included):

Matthew Holden (Advisor: Dr. Maureen Donnelley)	Martina Hilbrand (Advisor: Dr. John Withey)
Emily Brantner (Advisor: Dr. John Withey)	Shelby Servais (Advisor: Dr. John Kominowski)
Sean Charles (Advisor: Dr. John Kominowski)	Timothy Perez (Advisor: Dr. Kenneth Feeley)
Belen Fadrique (Advisor: Dr. Kenneth Feeley)	

SERVICE AND OUTREACH

Professional Service

Journal Reviewer (30 journals)

<i>Amphibia-Reptilia</i>	<i>Austral Ecology</i>	<i>Biological Conservation</i>
<i>Biological Invasions</i>	<i>Biological Journal of the Linnean Society</i>	<i>Biology Letters</i>
<i>Current Zoology</i>	<i>Diversity and Distributions</i>	<i>Ecography</i>
<i>Ecology and Evolution</i>	<i>Ecology Letters</i>	<i>Evolution</i>
<i>Evolution Letters</i>	<i>Evolutionary Ecology</i>	<i>Functional Ecology</i>
<i>Global Change Biology</i>	<i>Herpetological Conservation and Biology</i>	<i>Journal of Animal Ecology</i>

<i>Journal of Biogeography</i>	<i>Journal of Ecology and the Natural Environment</i>	<i>Journal of Natural History</i>
<i>Journal of Thermal Biology</i>	<i>Journal of Urban Ecology</i>	<i>Journal of Zoology</i>
<i>Nature Climate Change</i>	<i>Proceedings of the Royal Society B</i>	<i>The American Naturalist</i>
<i>The Herpetological Journal</i>	<i>Zoological Journal of the Linnean Society</i>	
<i>Proceedings of the Biological Society of Washington</i>		

Society Memberships and Service

Current member: American Society of Naturalists (ASN).

Past or ephemeral member: International Biogeographical Society (IBS), American Society for Herpetology and Ichthyology (ASIH), Society for the Study of Evolution (SSE), Ecological Society of America (ESA), American Genetics Association (AGA), British Ecological Society (BES), Zoological Society of London (ZSL), International Herpetological Society (IHS), British Herpetological Society (BHS), Society for the Study of Amphibians and Reptiles (SSAR).

2018: Chair and organizer of the *Anolis Symposium VII* at Fairchild Tropical Botanic Gardens in Miami, Florida USA. Over 70 *Anolis* scientists from all over the world attended and presented 35 research talks. As a result of this symposium, I was the Lead Editor of the *Anolis Newsletter VII* – a 323-page collection of 48 *Anolis* research papers.

2005-2008: Founding Chairman of the Bangor University Herpetological Society, University of Wales, Bangor UK – the first such institutional society in the UK. The BUHS has had >2,000 academic members since founding, inspiring a new wave of British herpetologists.

Educational Outreach and Community Science

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, a national award-winning community science and outreach education program which annually engages >200,000 K-12 students (>90% of which are underrepresented minorities) and teachers from >250 schools in south Florida.

Each year, >3,000 middle school students from 35 south Florida middle schools contribute to the *Lizards on the Loose* project, resulting in >10,000 *iNaturalist* verified species identification records (www.inaturalist.com). The 2022-2023 project is forecast to be our largest participation to date.

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).

Fairchild Challenge community science events

- 2022 An introduction to the lizards of Fairchild Garden (10 high school student interns)
- 2022 The Fairchild Challenge Teacher’s Forum (18 schools; 26 teachers)
- 2021 Fairchild Challenge Middle and High School Launch Brunch (114 schools; 132 teachers; 2021-2022)
- 2020 An introduction to *Lizards on the Loose* and using *iNaturalist* (Zoom seminars with Middle Schools during COVID pandemic)
- 2020 Exploring environmental careers workshop: High school students (5 schools; 66 students)
- 2019 “*Lizards on the Loose*” judging panel: Middle School students
- 2019 Fairchild Challenge Middle and High School Launch Brunch (118 schools; 146 teachers; 2019-2020)

- 2019 Exploring environmental careers workshop: High school students (5 schools; 70 students)
- 2018 “*Lizards on the Loose*” judging panel: Middle School students
- 2018 Fairchild Challenge Middle and High School Launch Brunch (112 schools; 130 teachers; 2017-2018)
- 2018 Exploring the nocturnal biodiversity of Fairchild Gardens (30 high school students)
- 2018 Exploring environmental careers workshop: High school students (5 schools; 35 students)
- 2017 “*Lizards on the Loose*” judging panel: Middle School students
- 2017 Fairchild Challenge Middle and High School Launch Brunch (112 schools; 132 teachers; 2017-2018)
- 2017 Exploring the nocturnal biodiversity of Fairchild Gardens (
- 2017 Exploring environmental careers workshop: High school students (5 schools; 48 students)
- 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)
- 2015 “*Lizards on the Loose*” judging panel: Middle School students
- 2015 Fairchild Challenge Middle and High School Challenge Starter event (96 schools; 101 teachers; 2015-2016)
- 2014 “*Lizards on the Loose*” judging panel: Middle School students
- 2014 Fairchild Challenge Middle and High School Challenge Starter event (70 schools; 85 teachers; 2014-2015)
- 2013 How I got into grad school: High school students (26 high school students)

Social Media and Science Communication

Personal research website – www.jamesTstroud.com – has received 50,000+ unique visits to date (averaging ca. 3,000 unique visits/month). Twitter account (@jamesTstroud) has ca. 2,000 followers; tweets over the past 12 months have resulted in >500,000 impressions (i.e. the cumulative number of times my tweets have been viewed on other people’s Twitter timelines).

***Anole Annals* blog**

Active contributor to online NSF-funded research blog *Anole Annals* (www.AnoleAnnals.com). My 50+ posts provide scientific commentary about the biology, ecology, evolution, behavior, and natural history of *Anolis* lizards (anoles) to the public and mainstream media. Google rating: 5

I am also the Social Media Editor for the *Anole Annals* blog, responsible for dissemination of all anole-related content to a twitter audience of >1,500 scientists and hobbyists, resulting in >20,000 impressions over the past 12 months.

PROFESSIONAL REFERENCES

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