

CURRICULUM VITAE

James T. Stroud

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Current Appointment

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

Education

- 2018 **Ph.D.** Florida International University, USA.
Advisor: Dr. Kenneth J. Feeley.
Dissertation: *Using introduced species of Anolis lizards to test adaptive radiation theory.*
- 2011 **M.Sc. by Research.** University of Hull, UK.
Advisor: Dr. Philip Wheeler
Thesis: *Spatial ecology of the European adder (Vipera berus) in commercial forestry plantations.*
- 2008 **B.Sc. (Hons).** Zoology with Conservation. University of Wales, UK.
Advisor: Dr. Wolfgang Wüster
Honours research thesis: *The effect of habitat disturbance on herpetofaunal community composition in a tropical forest: Sulawesi, Indonesia.*

Peer-reviewed Publications

(symbols denote authors at †high school, *undergraduate, and **Master's students)

- **Stroud, J.T.**, Giery, S.T., Outerbridge, M., Feeley, K.J. (2018) Ecological character displacement alters the outcome of priority effects during community assembly. *Ecology* (in review)
- **Stroud, J.T.**, Colom, M.*, Ferrer, P.*, Palermo, N.*, Vargas, V.*, Cavallini, M.*, Lopez, J.*, Jones, I. (2018) Behavioral shifts with urbanization may facilitate biological invasion of a widespread lizard. *Urban Ecosystems* (in review)
- 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* - in revision
- Mothes, C.C., **Stroud, J.T.**, Clements, S.L., Searcy, C.A. (2018) Evaluating Maxent's ability to accurately predict biotic invasions using South Florida's exotic lizard community. *Journal of Biogeography* (in press)
- 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*, doi:

- **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
- Feeley, K.J., & **Stroud, J.T.** (2017) Where on Earth are the tropics? *Frontiers of Biogeography*, 10.1-2, e38649
- 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
- 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
- **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
- 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
- **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
- **Stroud, J.T.** (2017) Ecological opportunity, competition, and diversity-dependence in macroevolution. *Evolution*, doi: 10.1111/evo.13295
- 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)
- 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
- **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
- 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
- **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

- **Stroud, J. T.**, & Losos, J.B. (2016) Ecological Opportunity and Adaptive Radiation. *Annual Review of Ecology, Evolution & Systematics*, 47: 507-532
- **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
- 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*: doi: 10.1007/s10980-016-0362-1
- Perez, T.M., **Stroud, J.T.**, Feeley, K.J. (2016) Trouble for thermal specialists. *Science*: 351(6280): 1392-1393
- **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*: doi: 10.1002/ece3.1651
- 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 doi: 10.1016/j.biocon.2015.08.034
- 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*, doi: 10.1002/ece3.1645
- **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
- **Stroud, J.T.**, and Feeley, K.J. (2015) Responsible academia: Optimizing conference locations to minimize greenhouse gas emissions. *Ecography*, 38(4): 402-404
- Feeley, K.J., Rehm, E., **Stroud, J.T.** (2014) There are many barriers to species migrations. *Frontiers of Biogeography*: 6(2): fb_22006
- **Stroud, J.T.**, *et al.* (2014) Is conservation money being spent widely? Changing trends in conservation research priorities. *Journal of Nature Conservation*, 22(2014) 471-473

Popular publications and Natural History Notes

- **Stroud, J.T.**, Sanger, T.J. (2018) *Hemidactylus mabouia* (African House Gecko). Predation by *Anolis carolinensis* (American Green Anole). *Herpetological Review*, *in press*
- Simpson, S.E., Giery, S.T., **Stroud, J.T.**, Thawley, C.J. (2018) *Anolis sagrei* (Brown anole). Predation. *Herpetological Review*, *in press*
- Maurer, A., **Stroud, J.T.** (2018) *Anolis wattsi* (Watts' anole). Nocturnal activity. *Herpetological Review*, *in press*
- †Campbell, N., Thawley, C.J., **Stroud, J.T.** (2018) *Anolis cristatellus* (Puerto Rican Crested Anole). Cannibalism. *Herpetological Review*, 49(1): 27-28
- 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

- **Stroud, J.T.**, Reeves, L. (2017) Rarest mosquito in the USA discovered at Fairchild Tropical Botanical Gardens. *The Tropical Garden* (in press)
- Ljustina, O., **Stroud, J.T.** (2017) *Anolis carolinensis* (American Green Anole). Kleptothermy. *Herpetological Review*, 48 (2): 434-435
- Ljustina O*, **Stroud J.T.** (2016) *Anolis equestris* (Cuban Knight Anole): Novel predator-prey interaction. *Herpetological Review*, 47(3): 459-460
- Ljustina O*, **Stroud J.T.** (2016) *Anolis cristatellus* (Puerto Rican Crested Anole): Absent tympanum. *Herpetological Review*, 47(3): 459
- Martin T, 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*
- **Stroud, J.T.** (2015) Reptiles y amphibios de Amacayacu parque Nacional, Amazonas – Colombia (Reptiles and amphibians of Amacayacu National Park, Amazonas – Colombia). *Chicago Field Museum of Natural History*
- **Stroud, J.T.** (2015) The lost lizard: Fairchild’s anole. *The Tropical Garden*
- **Stroud, J.T.** (2014) An introduction to the lizards of Fairchild Tropical Botanical Gardens. *The Tropical Garden* 69(1): 28-29
- **Stroud, J.T.** (2013) *Anolis equestris* (Cuban Knight Anole): Exotic intra-guild predation. *Herpetological Review* 44(4): 660-661
- **Stroud, J.T.**, and Beckles, W. (2014) *Anolis cristatellus* (Puerto Rican Crested Anole): Abnormal dewlap color. *Herpetological Review*, 45(4): 693-694
- **Stroud, J.T.**, and Giery, S. (2013) *Anolis equestris* (Cuban Knight Anole): Nocturnal activity. *Herpetological Review* 44(4): 661
- **Stroud, J.T.**, and Krysko, K.L. (2013) *Ctenosaura similis* (Gray’s Spiny-tailed Iguana): Non-native diet. *Herpetological Review* 44(2):322

Awards, Grants, and Fellowships

Awards & Fellowships (including Teaching Assistantships)

- **2018** FIU Excellence in Civic Engagement Medallion of Distinction
- **2018** FIU College of Arts, Sciences & Education (CASE) Outstanding Academic Achievement
- **2017** FIU Student Life Awards: Outstanding Graduate Scholar
- **2017** FIU Provost Award for Outstanding Graduate Student Manuscript in STEM
- **2017** FIU Dissertation Year Fellowship \$16,600
- **2015** FIU Dissertation Evidence Acquisition Fellowship \$8,300
- **2012-** *Graduate Teaching Assistantship*, Florida International University \$115,000
- **2009-11** *Graduate Teaching Assistant Fellowship*, University of Hull ~\$24,000
(GBP £16,000)

Research Grants (> \$5,000)

Total: >\$25,000

- **2016** NSF, Doctoral Dissertation Improvement Grant (DDIG):
Asymmetric character displacement in evolutionary novel Anolis lizards \$16,105
- **2015** Eric Clee Award, Bermuda Zoological Association \$5,000
- **2015** Fairchild Tropical Botanical Garden, Student Research Grant \$5,000

Smaller Research Grants (< \$5,000)

Total: >\$15,000

- **2018** American Genetics Association: Student Travel Award \$300
- **2017** American Naturalist Society: Graduate Student Research Award \$2,000
- **2017** American Naturalist Society: 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)

Selected presentations (*as presenting author, † undergraduate presenting author)

Invited talks

- **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*"
- **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

- **2017*** Society for the Study of Evolution International Conference, Portland, Oregon USA: "*Character displacement in evolutionary-novel Anolis lizards*"
- **2016*** Joint Meeting of Ichthyology and Herpetology, New Orleans, Louisiana, USA
Invited symposium: "*Social behaviour in reptiles: Secretive does not mean asocial*"
- **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

Media Coverage

- **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** 05/06/2012
- **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** 03/06/2012
- **2012** “Adders need corridors through the woods”, **Wildlife Extra, UK** – 01/06/2012

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 summarised below:

Centre for Environmental and Marine Sciences, University of Hull. 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*
- **SCUBA Dive Training**: *6 semesters*

Department of Biological Sciences, Florida International University. 2012-Present:

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

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, Honours (BSc Hons) Dissertation research: Sulawesi, Indonesia

- **Alice McPherson** (2014; Queens University Belfast, UK)
- **Biff Houlston** (2014; Bath Spa University, UK)
- **Daniel Aindow** (2011; University of York, UK)
- **Cormac Price** (2011; Trinity College Dublin, Republic of Ireland)
- **Leanne Fitzgerald** (2011; Trinity College Dublin, Republic of Ireland)
- **Jamie Mitchell** (2008; Sparsholt College, UK)
- **Timothy Moxon** (2008; University of Southampton, UK)

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

- **Enrico Vezzani*** (2016; University of Modena, Italy)

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

- **Chrissy Miller** (2015; University of Exeter, UK)
- **Sophie Pardeux** (2015; University of Exeter, UK)

Undergraduate research assistants

- °**Saransh Gothi*** (2018; Washington University, St. Louis MO, USA)
- °**Kamau Walker*** (2018; Yale University, New Haven CT, USA)
- °**Ebony Escobar** (2016-2017; Florida International University, Miami FL, USA)
- °**Veronica Vargas*** (2014-present; Florida International University, Miami FL, USA)
- °**Oliver Ljustina***† (2013-2016; Florida International University, Miami FL, USA)
- °**Marie Colom***† (2013-16; Florida International University, Miami FL, USA)
- °**Nick Palermo*** (2013-2015; Florida International University, Miami FL, USA)

Service and Outreach

- **Journal Reviewer (18 journals):** *Ecology Letters, Proceedings for the Royal Society B, Biological Journal of the Linnean Society, Zoological Journal of the Linnean Society, Evolutionary Ecology, Ecology and Evolution, Journal of Zoology, Austral Ecology, Diversity and Distributions, Ecography, Biological Conservation, Global Change Biology, Herpetological Conservation and Biology, Current Zoology, The Herpetological Journal, Amphibia-Reptilia, Journal of Ecology and the Natural Environment, Journal of Natural History.*
- Current member of the American Naturalist Society (ASN), American Genetics Association (AGA), American Society for Herpetology and Ichthyology (ASIH). Past or ephemeral member of International Biogeographical Society (IBS), Society for the Study of Evolution (SSE), Ecological Society of America (ESA), 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).
- Founder and first Chairman of the Bangor University Herpetological Society, University of Wales, Bangor UK – the first such institutional society in the UK
- Graduate student mentor committee 2013-17 (Florida International University)
- Graduate student mentor for the following 7 graduate students (supervisor included): Matthew Holden (Dr. Maureen Donnelley), Martina Hilbrand (Dr. John Withey), Emily Brantner (Dr. John Withey), Shelby Servais (Dr. John Kominowski), Sean Charles (Dr. John Kominowski), Timothy Perez (Dr. Kenneth Feely), Belen Fadrique (Dr. Kenneth Feeley).

Outreach

- Organizer of an outreach activity via the Fairchild Challenge (organised by Fairchild Tropical Botanical Gardens) focussing on *Anolis* lizards in the greater Miami area. The program currently engages >200,000 K-12 students and teachers from South Florida annually. As of April 2015 we have had 33 schools participate resulting in independent ecological surveys by 571 students over the entire Greater Miami region.
- Active contributor to online climate change research blog *Upwithclimate*
- Active contributor to online NSF-funded LTER Florida Coastal Everglades (FCE) group blog – *Wading Through Research*
- Active contributor to online research blog *Anole Annals* which aims to provide scientific commentary to the public and mainstream media, Google rating: 5