

EDUCATION	University of Florida Doctor of Philosophy, Interdisciplinary Ecology	<i>2019 – 2024</i>
	Eastern Kentucky University Master of Science, Biology	<i>2015 – 2017</i>
	University of Arkansas Bachelor of Science, Biology	<i>2009 – 2014</i>

APPOINTMENTS	Emory University Assistant Professor of Applied Ecology	<i>2026 – ...</i>
	Utah State University Postdoctoral Fellow in Quantitative Ecology	<i>2025 – 2026</i>
	University of Florida Postdoctoral Research Associate	<i>2024 – 2025</i>
	University of Florida Lecturer	<i>2021 – 2023</i>
	University of Florida Doctoral Preeminence Fellow	<i>2019 – 2024</i>
	Memphis Zoo Conservation and Research Technician	<i>2018 – 2019</i>
	Eastern Kentucky University NSF REU Research Coordinator	<i>2017</i>
	Eastern Kentucky University Graduate Teaching Assistant	<i>2015 – 2017</i>
	University of Arkansas Undergraduate Research Assistant	<i>2012 – 2015</i>

PUBLICATIONS 17) [§]Akshay, VA, **JA Baecher**, N Burkett-Cadena, J Thorson, [§]Y Sánchez, [§]Y Tavares, [§]A Bauer, RP Guralnick, LP Campbell. **2026**. *Linking hosts, landscapes, and climate to advance zoonotic arbovirus forecasting. **Scientific Reports** | [CODE](#) [PREPRINT](#) [HTML](#)*

[§]Mentee (co)author

Citations: 393
h-index: 8

16) Oliveira, BF, R Bertrand, ML Pinsky, N Casajus, BW Wolfe, BR Scheffers, F Villalobos, G Grenouillet, G Pecl, I-C Chen, **JA Baecher**, J Sunday, LT Lancaster, M Rubenstein, SE Diamond, SR Weiskopf, J Lenoir, L Comt, JA Lawlor, J Murienne, J Rolland, LM Thompson, NA Moore, RMWJ Bandara. **2026**. *Species range shifts often speed ahead of their climatic niches. **Proceedings of the National Academy of Sciences** | [CODE](#) [PREPRINT](#) [HTML](#)*

PUBLICATIONS

§Mentee (co)author

Cont'd

- 15) Baecher, JA, §VA Akshay, RP Guralnick, §AM Bauer, §Y Tavares, §Y Sánchez, LP Campbell. **2025**. *Toward ecological forecasting of West Nile virus in Florida: insights from two decades of sentinel chicken monitoring*. *Science of the Total Environment* 1000(2025):180308 | [HTML](#) [PDF](#) [CODE](#) | Press: [FNHM](#) [CBS News](#) [THE MICROBIOLOGIST](#)
- 14) Evans, LJ, JA Baecher, BR Scheffers. **2024**. *Invasion risk posed by the pet trade*. *Frontiers in Ecology and the Environment* | [HTML](#) [PDF](#) [DATA](#) [CODE](#)
- 13) Baecher, JA. **2024**. *The environmental filtering paradigm and non-filtering community assembly processes*. *Journal of Biogeography* 51(11):2109 – 2116 | [HTML](#) [PDF](#)
- 12) Klinges, DH, JA Baecher, JJ Lembrechts, IMD Maclean, J Lenoir, C Greiser, M Ashcroft, LJ Evans, MR Kearney, J Aalto, LC Barrio, P De Frenne, J Guillemot, K Hylander, T Jucker, M Kopecky, M Luoto, M Macek, I Nijs, J Urban, L van den Brink, P Vangansbeke, J Von Oppen, J Wild, J Boike, R Canessa, M Noretto, A Rubtsov, J Sallo-Bravo, BR Scheffers. **2024**. *Proximal microclimate: Moving beyond spatiotemporal scale to improve predicted biological responses*. *Global Ecology and Biogeography* 33(7):e1 – 16 | [HTML](#) [PDF](#) [CODE](#) | [2024 TOP 10 CITED PAPER](#)
- 11) Comte, L, R Bertrand, SE Diamond, LT Lancaster, ML Pinsky, BR Scheffers, JA Baecher, RMWJ Bandara, I-C Chen, JA Lawlor, NA Moore, BR Oliveira, J Murienne, J Rolland, MA Rubenstein, J Sunday, LM Thompson, F Villalobos, SR Weiskopf, J Lenoir. **2024**. *Bringing traits back in the equation: A roadmap to understand species redistribution*. *Global Change Biology* 30:e17271 | [HTML](#) [PDF](#)
- 10) Lawlor, JA, L Comte, G Grenouillet, J Lenoir, JA Baecher, RMWJ Bandara, R Bertrand, I-C Chen, SE Diamond, LT Lancaster, NA Moore, J Murienne, BF Oliveria, GT Pecl, ML Pinsky, J Rolland, MA Rubenstein, BR Scheffers, LM Thompson, B can Amerom, F Villalobos, SR Weiskopf, J Sunday. **2024**. *Mechanisms, detections, and impacts of species redistributions under climate change*. *Nature Reviews Earth & Environment* 5:351 – 368 | [HTML](#) [PDF](#) | Impact Factor: **71.5** | Press: [MSN](#)
- 9) Baecher, JA, SA Johnson, EA Roznik, BR Scheffers. **2023**. *Experimental evaluation of how invasions and climate change interact to alter the vertical assembly of an amphibian community*. *Journal of Animal Ecology* 92(4):875 – 888 | [HTML](#) [PDF](#) [CODE](#) | Press: [NATURE CLIMATE CHANGE](#) [FLORIDA TODAY](#) [USGS](#)
- 8) Basham, EW, JA Baecher, DH Klinges, BR Scheffers. **2022**. *Vertical stratification patterns of tropical forest vertebrates: A meta-analysis*. *Biological Reviews* 98(1):99 – 114 | [HTML](#) [PDF](#) [CODE](#)

PUBLICATIONS

§Mentee (co)author

Cont'd

- 7) Basham, EW, M González-Pinzón, A Romero-Marcucci, N Carl, **JA Baecher**, BR Scheffers. **2022**. *Large, old trees define the vertical, horizontal, and seasonal distributions of a poison frog*. ***Oecologia*** 199:257 – 269 | [HTML](#) [PDF](#) [CODE](#)
- 6) Swartwout, M, PN Vogrinc, **JA Baecher**, CS Kross, JD Willson. **2020**. *Prey size and growth rate do not influence trophic morphology of juvenile water snakes (Nerodia sipedon)*. ***Herpetologica*** 76(1):53 – 60 | [HTML](#) [PDF](#)
- 5) **Baecher, JA**, §E Jones, SC Richter. **2020**. *Tail bifurcation in two species of *Desmognathus* salamander Caudata: Plethodontidae in Southeastern Kentucky, USA*. ***Herpetological Bulletin*** 150:29 – 30 | [HTML](#) [PDF](#)
- 4) Hinkson, KM, **JA Baecher**, S Poo. **2019**. *Cryopreservation and hormonal induction of spermic urine in the smooth-sided toad (*Rhaebo guttatus*)*. ***Cryobiology*** 89:109 – 111 | [HTML](#) [PDF](#) | Press: [THE COMMERCIAL APPEAL](#) [USA TODAY](#)
- 3) **Baecher, JA**, SC Richter. **2018**. *Environmental gradients in an old-growth Appalachian forest predict fine-scale distribution, co-occurrence, and abundance of woodland salamanders*. ***Ecology and Evolution*** 8(24):12940 – 12952 | [HTML](#) [PDF](#) [CODE](#)
- 2) **Baecher, JA**, PH Vogrinc, JC Guzy, CS Kross, JD Willson. **2017**. *Herpetofaunal communities in restored and unrestored remnant tallgrass prairie and associated wetlands in Northwest Arkansas*. ***Wetlands*** 38:157 – 168 | [HTML](#) [PDF](#)
- 1) **Baecher, JA**, PH Vogrinc, JC Guzy, JC Neal, JD Willson. **2014**. *Lithobates areolatus, Predation*. ***Herpetological Review*** 45(4):681 – 682 | [PDF](#)

Forthcoming:

- ...) **Baecher, JA**, D Klinges, LJ Evans, CA Romagosa, R Fletcher, BR Scheffers. ***In revision***. *Isolating what limits the spread of an invasive predator*. ***Journal of Applied Ecology*** | [CODE](#) [PREPRINT](#)
- ...) Thompson, LM, et al., [+21 co-authors including **JA Baecher**]. ***In review***. *The RAD (Resist-Accept-Direct) management of species redistribution under climate change*. ***Frontiers in Ecology and the Environment*** (contact for info)
- ...) Klinges, DH, **JA Baecher**, L. Soifer, BR Scheffers. ***Submitted***. *Land modification defines climate change as experienced by life on earth*. Prepared for ***Nature*** (contact for info)
- ...) Pittman, C, et al., [+12 co-authors including **JA Baecher**]. ***In Prep***. *Connecting living and preserved collections: Standardizing and integrating biological data to cultivate information sharing*. Prepared for ***Biodiversity informatics*** (contact for info)

FUNDING	AWARD	FUND	YEAR
Total ~ \$344k	\$130k	US Geological Survey Climate Adaptation Postdoctoral Fellows	2025
	\$4,000	University of Florida Robin Nadeau Graduate Research Award	2019
	\$195k	University of Florida Doctoral Preeminence Fellowship Award	2019
	\$800	Eastern Kentucky University Dept. Biology Travel Grant	2017
	\$500	Soc. Study Amphibians & Reptiles Grant-in-Aid of Herpetological Research	2016
	\$500	Eastern Kentucky University Dep. Biological Sciences Travel Stipend	2016
	\$500	Eastern Kentucky University Div. Natural Areas Research Grant	2016
	\$1,100	Eastern Kentucky University Marcia Athey Research Grant	2016
	\$700	Soc. Freshwater Science Instars Fellowship	2014
	\$700	Soc. Freshwater Science Instars Fellowship	2013
	\$500	University of Arkansas Dept. Biology Travel Grant	2013
	\$5,000	National Science Foundation Research Experience for Undergraduates	2013
	\$5,000	National Science Foundation Research Experience for Undergraduates	2012

PEER REVIEW *Biological Conservation, Conservation Science and Practice, Ecography, Ecology, Ecology & Evolution, Frontiers in Ecology and Environment, Herpetological Bulletin, Herpetological Conservation Biology, Herpetological Review, Hydrobiologia, Natural Areas Journal, Nature Ecology & Evolution, Oecologia, Scientific Reports, Wildlife Society Bulletin*

Requested = 38
Reviewed = 25

PROFESSIONAL AFFILIATIONS American Society of Ichthyologists and Herpetologists (2014 – 2021); Climate Adaptation Science Center (SE & SW, 2020 – Present); Ecological Society of America (2019 – Present); International Association of Landscape Ecologists (North America, 2020 – Present); Society for the Study of Amphibians And Reptiles (2014 – 2021); Society of Freshwater Ecology (2012 – 2014); Southeast RISSC (2022 – Present); Southeastern Partners in Amphibian and Reptile Conservation (2014 – 2021)

WORKING GROUPS **Bioshifts** (2022 – 2025; Member, Group Leader); **DirtClim** (2021 – Present; Core Team); **Researchr** (2025 – Present; President of Scientific Integrity); **ZooMu Network** (2024 – Present; Member, Group Leader); **USGS Climate Adaptation Science Center** (2021 – 2027; Graduate Research Fellow & Postdoctoral Fellow)

PRESENTATIONS

†Mentee presenter

Cont'd

- 40) Baecher, JA. **2026**. *Ecology of rapid change: From behavior to movements to range dynamics*. **Emory University**. Atlanta, GA | [Slides](#)
- 39) Baecher, JA. **2025**. *Spatial structures for ecological models: A tutorial for point-referenced data*. **Utah State University**. (Hybrid) | [Slides](#) [Online Resource](#)
- 38) Baecher, JA. **2025**. *Shifting frontiers: Understanding species abundance range-shifts for informed conservation strategies*. **Pacific Flyway Partners**. (Hybrid) | [Slides](#)
- 37) Baecher, JA. **2024**. *Influence of global change on species' behavior, movement, and ranges*. **SNRE Seminar Series**. Gainesville, FL | [Flyer](#)
- 36) BR Scheffers, JA Baecher, ... **2024**. *The pet trade and a comprehensive approach to assessing invasive species risk*. **Southeastern Climate Adaptation Science Center Webinar**. (Virtual)
- 35) Baecher, JA, L Evans, BR Scheffers. **2024**. *Toward knowledge co-Production in invasion species modeling: Developing novel interactive expert-elicitation software*. **Invasive Species Research institute Conference**. Gainesville, FL | [Slides](#)
- 34) Evans, L, JA Baecher, BR Scheffers. **2024**. *An integrated approach for robust invasive species risk assessments*. **Invasive Species Research Institute**. Gainesville, FL
- 33) Baecher, JA, D Klinges, L Evans, BR Scheffers. **2023**. *Informing species range-Shifts with global connectivity*. **Species on the Move**. Ft Myers, FL | [Slides](#)
- 32) Scheffers, BR, JA Baecher, EW Basham. **2023**. *Vertical collapse in assemblage complexity due to shifts in climate and novel biotic interactions*. **Species On the Move**. Ft. Myers, FL
- 31) Evans, L, JA Baecher, BR Scheffers. **2023**. *Invasion risk posed by the pet trade*. **Species on the Move**. Ft. Myers, FL
- 30) Klinges, DH, J Lembrechts, IMD Maclean, JA Baecher, J Lenoir, BR Scheffers. **2023**. *Climate variability and change across scales using a novel global microclimate database*. **Species on the Move**. Ft. Myers, FL
- 29) Evans, L, BR Scheffers, JA Baecher. **2022**. *Invasion risk posed by the pet trade*. **North American Invasive Species Management Association Annual Conference**. Ft. Myers, FL
- 28) Klinges, DH, JA Baecher, J Lembrechts, IMD Maclean, BR Scheffers. **2022**. *Climate variability and change across scales using a novel global microclimate database*. **Microclimate Ecology and Biogeography Conference**. Antwerp, Belgium
- 27) Baecher, JA, BR Scheffers. **2022**. *Informing species range-shifts with preliminary global connectivity*. **BIOSHIFTS working group**. Montpellier, France | [Slides](#)
- 26) Baecher, JA, L Evans, BR Scheffers. **2022**. *Predicting the spread of invasive Burmese Pythons in Florida*. **SERISCC Network Webinar**. (Virtual) | [Slides](#) [Video](#)
- 25) Khazan, E ... JA Baecher. **2022**. *Deconstructing functional diversity to better conservation research and applications using a case study of Colombian butterflies*. **Annual Meeting of the Association for Tropical Biology And Conservation**. Cartagena, Columbia

PRESENTATIONS

†Mentee presenter

Cont'd

- 24) Baecher, JA, ... BR Scheffers. **2022**. *Modeling spread of invasive Burmese Pythons: Integrating thermoregulation, behavior, and mortality*. **Annual Meeting of the International Association of Landscape Ecologists**. (Virtual) | [Slides](#) [Video](#)
- 23) Evans, L, Br Scheffers, JA Baecher. **2022**. *Invasion risk posed by the pet trade. Collaborative to Combat the Illegal Trade in Turtles*. (Virtual)
- 22) Basham, EW, M González-Pinzón, A Romero-Marcucci, ..., JA Baecher, BR Scheffers. **2021**. *Large, old trees define the vertical, horizontal, and seasonal distributions of a poison frog*. **International Canopy Science Conference**. (Virtual)
- 21) Basham, Ew, M González-Pinzón, A Romero-Marcucci, N Carl, JA Baecher, BR Scheffers. **2021**. *Large, old trees define the vertical, horizontal, and seasonal distributions of a poison frog*. **Annual Meeting of the Ecological Society of America**. (Virtual)
- 20) Basham, EW, JA Baecher, BR Scheffers. **2021**. *Large, old trees define the vertical, horizontal, and seasonal distributions of a poison frog*. **European Meeting of Students in Evolutionary Biology**. (Virtual)
- 19) †Jones, E, Ja Baecher, M James, A Braccia, Sc Richter. **2019**. *Influence of salamanders on leaf litter decomposition in Appalachian headwater streams*. **Annual Meeting of the Association of Southeastern Biologists**. Memphis, TN
- 18) Hinkson, KM, JA Baecher, S Poo. **2019**. *Cryopreservation And hormonal induction of spermic urine in the Smooth-Sided Toad (Rhaebo Guttatus)*. **Annual Meeting of the Association of Southeastern Biologists**. Memphis, TN
- 17) Baecher, JA, SB Reichling. **2018**. *Current status of the Louisiana Pinesnake captive breeding program at the Memphis Zoo*. **USFWS Working Group Meeting**. Shreveport, LA
- 16) †Jones, E, JA Baecher, M James, A Braccia, SC Richter. **2018**. *Influence of salamanders on leaf litter decomposition in Appalachian headwater streams*. **Kentucky Academy of Science**. Bowling Green, KY
- 15) Gross, Ba, Z Patton, JA Baecher. **2018**. *Evaluation of American Alligator nuisance management and human-alligator conflict*. **25th Annual Crocodile Specialist Group**. Sante Fe, Argentina
- 14) Baecher, JA, SC Richter. **2018**. *Natural gradients influence the fine-scale distribution and abundance of salamanders in an old growth Appalachian forest*. **Joint Meeting of Ichthyology and Herpetology**. Rochester, NY
- 13) †Grap, P, S Harrel, ... JA Baecher. **2018**. *Habitat And community differences in the historic and current range of the Buck Darter (Etheostoma Nebra)*. **Annual Meeting of the Association of Southeastern Biologists**. Myrtle Beach, SC
- 12) †Peters, J, J Koslow, JA Baecher. **2018**. *Influences on the presence of invasive plant species within old growth forest of Lilley Cornett Woods*. **Annual Meeting of the Association of Southeastern Biologists**. Myrtle Beach, SC
- 11) Baecher, JA, SC Richter. **2017**. *Natural environmental gradients influence the fine-scale distribution and abundance of terrestrial salamanders in*

PRESENTATIONS

†Mentee presenter

Cont'd

- an old growth Appalachian forest. University of Kentucky Center for Ecology, Evolution And Behavior.* Lexington, KY
- 10) †Grap, P, S Harrel, D Black, **JA Baecher**. **2017**. *Habitat and community differences in the historic And current range of the Buck Darter (Etheostoma Nebra).* **Southeastern Fisheries Council Annual Meeting.** Chattanooga, TN
 - 9) **Baecher, JA**, SC Richter. **2017**. *Modeling occupancy and abundance of terrestrial salamanders across natural environmental gradients in old growth forest.* **Southeastern PARC Annual Meeting.** Little Rock, AR
 - 8) Swartwout, M, P Vogrinc, **JA Baecher**, CS Kross, JD Willson. **2016**. *Growth and phenotypic plasticity of Nerodia Sipedon in response to feeding frequency and prey size.* **Joint Meeting of Ichthyology and Herpetology.** New Orleans, LA
 - 7) **Baecher, JA**, P Vongrinc, JD Willson. **2016**. *Herpetofauna of degraded and restored remnant Tallgrass Prairie.* **Joint Meeting of Ichthyology and Herpetology.** New Orleans, LA
 - 6) **Baecher, JA**, DR Leasure, D Lynch, DD Magoulick. **2013**. *Impact of anthropogenic land use and hydrologic disturbance on crayfish assemblages.* **Joint Meeting of Aquatic Sciences.** Portland, OR
 - 5) **Baecher, JA**, DRLeasure, D Lynch, DD Magoulick. **2013**. *Impact of anthropogenic land use and hydrologic disturbance on crayfish assemblages.* **Ecosystem Services Research Symposium.** Fayetteville, AR
 - 4) **Baecher, JA**, DR Leasure, D Lynch, DD Magoulick. **2013**. *Impact of anthropogenic land use and hydrologic disturbance on crayfish assemblages.* **Annual Meeting of the American Fisheries Society.** Little Rock, AR
 - 3) **Baecher, JA**, J Ortega, SJ Beaupré. **2013**. *Use of stable isotope analysis for determining the diet breadth of the Western Cottonmouth (Agkistrodon Piscivorous).* **Society for Freshwater Science Annual Meeting.** Jacksonville, FL
 - 2) **Baecher, JA**, J Ortega, SJ Beaupré. **2013**. *Use of stable isotope analysis for determining the diet breadth of the Western Cottonmouth (Agkistrodon Piscivorous).* **Arkansas Water Resource Conference.** Jacksonville, FL
 - 1) **Baecher, JA**, J Ortega, SJ Beaupré. **2012**. *Use of stable isotope analysis for determining the diet breadth of the Western Cottonmouth (Agkistrodon Piscivorous).* **Ecosystem Services Research Symposium.** Fayetteville, AR

WORKSHOPS

- 3) Fletcher, RJ, **JA Baecher**, M Lezzi, A Marx. **2023**. Application of connectivity modeling to Identify and predict movement and range redistribution. **Species on the Move.** Bonita Springs, FL | [Slides](#)
- 2) **Baecher, JA**, L Evans, BR Scheffers. **2022**. Expert elicitation of key invasive species habitat requirements, prevalence, and life history attributes. **Austin Cary Forest.** Gainesville, FL | [Slides](#)
- 1) Fletcher, RJ, **JA Baecher**, M Lezzi, A Marx. **2021**. Expanding the scope of connectivity modeling with Markov chains: Perspectives and applications in R. **International Association of Landscape Ecologists – Annual Meeting** (Virtual) | [Video](#)

TEACHING

Instructor of Record:

University of Florida | School of Natural Resources and Environment
Environmental Science Lab *Fall 2022 & 2023*

Teaching Assistant:

Eastern Kentucky University | Department of Biology
Human Anatomy and Physiology Lab *Spring & Fall 2015 – 2017*

Guest instruction:

Utah State University | Department of Wildlands Resources
Landscape Ecology *Fall 2025*

University of Florida | Department of Biology
Community Science for Ecologists *Spring 2025*

University of Florida | School of Natural Resources and Environment
Environmental Science *Spring & Fall 2023 – 2025*

University of Florida | Department of Wildlife Ecology and Conservation
Ecology of Climate Change *Spring 2023*

University of Florida | Department of Wildlife Ecology and Conservation
Wildlife of Florida *Spring 2020 – 2023*

Rhodes College | Department of Biology
Vertebrate Biology *Spring 2023*

Eastern Kentucky University | Department of Biology
Applied Learning in Biology *Spring 2016*

Radford University | Department of Biology
Appalachian Herpetology *Spring 2016*

Eastern Kentucky University | Department of Biology
Herpetology *Spring 2016*

University of Arkansas | Department of Biology
Herpetology *Spring 2014*

MENTORING

University of Arkansas *2011 – 2015*
 Mycala Coleman^ψ

^φ*published*
^ψ*conference*
^Ω*BS thesis*
^{MS}*sought MS*
^{PhD}*sought PhD*

Eastern Kentucky University *2015 – 2017*
 Alex Gibson, Emily Jones^{φ|ψ|MS} (MS), Sarah Ashbrook^{ψ|MS}, Peyton Blair^ψ,
 Peter Grap^{ψ|MS}, Kelley Hofer^ψ, Myesha James^ψ, Jacob Peters^{ψ|MS|PhD},
 Julia Portmann^{ψ|MS|PhD}, Jocelyn Stalker^{φ|ψ|MS}

Rhodes College *2018 – 2019*
 Madeline Estes^{ψ|Ω|MS}

University of Florida *2019 – 2025*
 Brittany Arthur, Noah Bowen^{MS}, Sierra Scauzillo^{ψ|Ω}, V Anand Akshay^{φ|ψ}
 (Phd), Amy Bauer^{φ|ψ} (PhD), Yasmin Tavares^{φ|ψ|PhD} (MS), Yesenia
 Sanchez^{φ|ψ}

Utah State University *2025 – Present*
 Jack Rasmussen (PhD)

SELECT	ACTIVITY	EVENT	# REACHED	YEAR
OUTREACH	Guest teacher	Holt Middle School, AR	~30	2013
EDUCATION	Clean-up	Lake Fayetteville, AR	~30	2013
	Science judge	NWA STEM Fair, AR	~50	2013
<u>See all</u>	Guest teacher	Model Elementary, AR	~15	2015
	Tabling outreach	EKU Career Fair, KY	~150	2016
Events = 26	Community Science	Water Quality, KY	~30	2016
Attendees = ~1.4k	Conservation Education	Memphis Zoo, TN	~300	2018

PUBLIC RESOURCES	DESCRIPTION	LINK	YEAR
	<i>Mixed Effects Models in R</i>	🔗	2025
	<i>Spatial Structures in Ecological Models</i>	🔗	2025
	<i>Intro to R Coding (Part 1): The basics</i>	🔗	2022
	<i>Intro to R Coding (Part 2): Advanced</i>	🔗	2022
	<i>Machine learning the “Tidy” way</i>	🔗	2021
	<i>Linear regression with gradient decent</i>	🔗	2021
	<i>Mapping ecological flow in R</i>	🔗	2020
	<i>Empirical Dynamic Models for forecasting</i>	🔗	2016

NON-FUNDED GRANTS	USD	FUND	DECISION	YEAR
	\$235k	NSF: PFRB	“Meritorious”	2024
	\$235k	NSF: PFRB	“Highly Meritorious”	2023
	\$25k	The Wilderness Society: Gloria Barron	Declined	2021
	\$3,500	AMNAT: Roosevelt Grant	Declined	2020
	\$4,000	Foundation Conserv. Salamanders	Declined	2020
	\$60k	Disney Conservation Fund	Inquiry Declined	2019
	\$10k	NPS: Tanner Memorial Fellowship	Inquiry Declined	2019

PROFESSIONAL REFERENCES			
	Robert Guralnick, PhD		2019 – Present
	Curator of Biodiversity Informatics Florida Natural History Museum		
	(352) 273-1980	robgur@gmail.com	webpage
Since PhD	Brett Scheffers, PhD		2019 – Present
	Associate Professor Dept of Wildlife Ecology, University of Florida		
	Director Florida Climate Institute, University of Florida		
	(352) 846-0570	brett.scheffers@ufl.edu	webpage
	Lindsay Campbell, PhD		2024 – Present
	Assistant Professor Florida Medical Entomology Lab, University of Florida		
	(772) 226-6666	lcampbell2@ufl.edu	webpage
	TJ Clark-Wolf, PhD		2025 – Present
	Assistant Professor Dept of Wildland Resources, Utah State University		
		t.j.clark-wolf@usu.edu	webpage
	Erica Stuber, PhD		2025 – Present
	Associate Professor USGS Coop Research Unit, Utah State University		
		erica.stuber@usu.edu	webpage