

CURRICULUM VITAE

TIMOTHY JOHN COLSTON

The George Washington University • Department of Biological Sciences
2029 G St NW, Room 302 • Washington, DC 20052 • USA
Tel: 405-550-6641 • Email: tim@maddreptiles.com
Web: maddreptiles.com

EDUCATION

- Ph.D. University of Mississippi, Biology, 2017
The Reptile Gut Microbiome: Its Role in Host Evolution and Community Assembly
Major Professor: Brice Noonan
- M.Sc. University of Oklahoma, Zoology, 2010
Origins of Neotropical Diversity: Lineage Diversification in Tree Boas
Major Professor: Laurie Vitt
- B.S. University of Oklahoma, Zoology, 2007

ACADEMIC POSITIONS

- Present NSF Postdoctoral Researcher, The George Washington University
- 2012 – 2015 Research Affiliate, Zoological Natural History Museum, Addis Ababa, Ethiopia.
- 2011 – 2012 Instructor, Northwest Community College, Oxford, MS.

RESEARCH INTERESTS

- | | |
|--|--|
| Host-microbiome Interactions & Coevolution | Community Assembly |
| Evolution, Ecology and Conservation of | Biogeography of Neotropical Herpetofauna |
| Amphibians and Reptiles | Biogeography of African Herpetofauna |

RESEARCH PUBLICATIONS

(**indicates dissertation chapter)

- **Colston, T. J.**, Noonan, B. P., França, F. G. R., Jackson, C.R. Investigating the influence of the microbiome on host community assembly using snakes and their gut bacteria. (*in prep*).
- **Colston, T. J.**, Noonan, B. P., França, F. G. R., Jackson, C.R. Evolution of the squamate reptile gut microbiome. (*in prep*).
- Noonan, B. P., **Colston, T. J.**, Lemmon, A., Lemmon, E. M., Fisher, B. L. Ant tree of life: the potential and pitfalls of phylogenomic data. (in revision).
15. *Smith, M. L., Noonan, B. P., **Colston, T. J.** The role of climatic and geological events in generating diversity in Ethiopian grass frogs (Genus *Ptychadena*). (accepted in *Royal Society Open Science*). * – undergraduate researcher
14. **Colston, T. J.** (2017) Book Review: Natural History of Neotropical Tree Boas (Genus *Corallus*). —Robert W. Henderson *The Quarterly Review of Biology* 92: 123.
13. **Colston, T. J.** (2017) Gut microbiome transmission in lizards. *Molecular Ecology* 26: 972-974.

12. Ceriaco, L. M. P., Gutierrez, E. E., Dubois, A., †**Colston, T. J.**, *et al.* (2016) Photography-based taxonomy is inadequate, unnecessary, and potentially harmful for biological sciences. *Zootaxa* 4196(3): 435-445. †supporting co-author/signatory.
11. ****Colston, T. J.**, & Jackson, C. R. (2016) Invited Review: microbiome evolution along divergent branches of the vertebrate tree of life: what's known and unknown. *Molecular Ecology* 25: 3776-3800.
10. Gower, D.J., Wade, E.O.Z., Spawls, S., Böhme, W., Buechley, E., Siykes, D., **Colston, T.J.** (2016) A new large species of *Bitis* Gray, 1842 (Serpentes: Viperidae) from the Bale Mountains of Ethiopia. *Zootaxa* 4093(1):041-063.
9. Medina, M.F., Greenbaum, E., Bauer, A., Branch, W., Schmitz, A., Conradie, W., Nagy, Z. T., Hibbitts, T.J., Ernst, R., Portik, D.M., Nielsen, S.V., Kusamba, C., **Colston, T.J.**, Behangana, M. (2016) Phylogeny and systematics of *Panaspis* and *Afroablepharus* skinks (Squamata: Scincidae) in the savannas of sub-Saharan Africa. *Molecular Phylogenetics and Evolution* 100: 409-423.
8. **Colston, T. J.**, Barão-Nóbrega, J.A.L., Manders, R., Lett, A., *Wilmott, J., Cameron, G., *Hunter, S., Radage, A., Littlefair, E., Williams, R.J., Lopez Cen, A., Slater, K. (2015) Amphibians and reptiles of the Calakmul Biosphere Reserve, México with new records. *Check List* 11(5): 1759. * – undergraduate researcher
7. ****Colston, T. J.**, Noonan, B. P., Jackson, C.R. (2015) Phylogenetic analysis of bacterial communities in different regions of the gastrointestinal tract of *Agkistrodon piscivorus*, the cottonmouth snake. *PloS one* 10.6: e0128793.
6. Nielsen, S. V. & **Colston, T. J.** (2014) The phylogenetic position of Ethiopia's sole endemic and biogeographically enigmatic cordylid lizard, *Cordylus rivaie* (Squamata: Cordylidae), and a discussion of its conservation status. *African Journal of Herpetology* 63(2): 166-176.
5. Henderson, R. W., Pauers, M. J., **Colston, T. J.** (2013) On the congruence of morphology, trophic ecology, and phylogeny in Neotropical treeboas (Squamata: Boidae: *Corallus*). *Biological Journal of the Linnean Society*, 109: 466-475.
4. **Colston, T. J.**, Grazziotin, F.G., Shepard, D. B., Vitt, L. J., Coli, G. R., Henderson, R. W., Hedges, S. B., Bonatto, S., Zaher, H., Noonan, B.P., Burbrink, F. T. (2013) Molecular systematics and historical biogeography of tree boas (Genus *Corallus*). *Molecular Phylogenetics & Evolution*, 66(3): 953-959.
3. Schlupp, I., **Colston, T. J.**, Joachim, B., Riesch, R. (2013) Translocation of cave fish (*Poecilia mexicana*) within and between natural habitats. *Environmental Biology of Fishes*, 22(2): 228-233.
2. Riesch, R., **Colston, T. J.**, Joachim, B. L., Schlupp, I. (2011) Natural history and life history of the Grijalva gambusia *Heterophallus milleri* Radda, 1987 (Teleostei: Poeciliidae). *Aqua*, 17(2): 95-102.
1. **Colston, T. J.**, Costa, G. C., Vitt, L. J. (2010) Snake diets and the Deep History Hypothesis. *Biological Journal of the Linnean Society*, 101: 476-486. –undergraduate thesis

FELLOWSHIPS, GRANTS & AWARDS

FELLOWSHIPS

- 2016 U.M. Graduate School Dissertation Fellowship [\$16,787.00]
2012–2013 J. William Fulbright Student Fellowship [\$26,009.60]

RESEARCH GRANTS

- 2015 NSF Doctoral Dissertation Improvement Grant [DEB 1501711; \$18,419.00]
2015 Society for Integrative & Comparative Biology, GIAR [\$820.00]
2011–2014 Graduate Student Summer Research Grant, Graduate College, University of Mississippi [4x; \$12,000.00 total]
2013 Graduate Student Council Research Grant, University of Mississippi [\$944.00]
2013 Linnean Society Grants in Systematics [£1140 (\$1,857.00)]
2013 Percy Sladen Memorial Fund [£600 (\$907.00)]
2012 T.H. Roosevelt Memorial Grant, American Museum of Natural History [\$2,000.00]
2009–2010 Loren G. Hill Zoology Excellence Fund [3x; \$900.00 total]
2009 GSS Research Grant, University of Oklahoma [\$287.31]
2009 Robberson Research Grant, Graduate College, University of Oklahoma [\$500.00]
2009 Graduate Student Research and Activity Grant, University of Oklahoma [\$707.61]

TRAVEL GRANTS & AWARDS

- 2015 SSAR Student Travel Award [\$500.00]
2011 American Society of Naturalist's Student Travel Award [\$500.00]
2011 Orianne Society Student Travel Grant [\$100.00]
2009 GSS Conference and Creative Exhibition Grant, University of Oklahoma [\$250.01]
2010 T.H. Lee Williams International Travel Scholarship [\$1,800.00]
2010 College of Arts and Sciences Excellence in Research Travel Scholarship [\$750.00]

AWARDS & SCHOLARSHIPS

- 2017 SSE Hamilton Award Finalist [\$500.00]
2017 U.M. Graduate School Class Marshal (*selected for excellence in research*)
2014 University of Mississippi 3 Minute Thesis (*on campus finalist*)
2009 Robert E. and Mary B. Sturgis Scholarship, College of Arts and Sciences, University of Oklahoma [\$1,200.00]
2009 Zoology Department Graduate Teaching Assistant Award [\$500.00]

TEACHING EXPERIENCE

INSTRUCTOR

- 2016 BISC 301: Evolution (Guest Lecturer), Department of Biology, University of Mississippi, Oxford, MS.
2012 BIOL 132: Human Anatomy & Physiology II, NW Community College, Oxford, MS.
2012 BIOL 102: Introductory Biology II, NW Community College, Oxford, MS.
2011 BIOL 101: Introductory Biology I, NW Community College, Oxford, MS.
2011 BIOL 131: Human Anatomy & Physiology I, NW Community College, Oxford, MS.
2010 Field Herpetology, Sam Noble Oklahoma Museum of Natural History, Norman, OK.
—*Teaching Teachers Programs in Science* in collaboration with Norman Public Schools.

TEACHING ASSISTANT (# of semesters)

- 2010–2016 Department of Biology, University of Mississippi, Oxford, MS.
 - BISC 333 Microbiology (1), BISC 331 Comparative Vertebrate Anatomy (4), BISC 323 Biology of Invasive Species (1).

- 2008–2009 Department of Zoology, University of Oklahoma, Norman, OK.
- BIOL 2234 Human Physiology (1), BIOL 2255 Human Anatomy– cadaver course (2) BIOL 4653 Parasitology (1).
- 2007 Department of Zoology, University of Oklahoma, Norman, OK. [undergraduate TA]
- G4083 Herpetology (1).

OTHER EXPERIENCE

- 2014–present **Contributing Personnel, Gene flow and riverine barriers in the Guiana Shield: a multitaxon test across the Oyapock River (MUsTARd). PI: Antoine Fouquet.** – Assist in generating and analyzing RAD-seq data for a CEBA funded project investigating the role of rivers as barriers to gene flow in the Guiana Shield (CEBA, ref. ANR-10-LABX-25-01, 19,800€).
- 2011–2014 **Graduate Research Assistant, University of Mississippi, Biology Department. Supervisor: Brice Noonan** – Research assistant on NSF funded project investigating patterns of diversification and biogeography of Malagasy ants using NGS technologies (DEB award #1120867).

COLLECTIONS EXPERIENCE

- December 2016 – May 2017 **Graduate Curatorial Research Assistant**, University of Mississippi, Department of Biology Herbarium. Supervisor: Lucile McCook – Responsible for catalog quality control and geo-referencing botanical collections.
- August 2015 – December 2015 **Graduate Curatorial Research Assistant**, University of Mississippi, Department of Biology Museum Collections – Supervised specimen preparation of Ornithology, Herpetology and Mammalogy museum specimens.
- October 2012 – December 2015 **Research Affiliate**, Department of Zoology and Museum of Natural History, Addis Ababa University, Arat Kilo, Addis Ababa, Ethiopia.
- August 1, 2009 – July 31, 2010 **Graduate Research Assistant**, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK. Supervisors: Jan Caldwell & Laurie Vitt – Herpetology collection research assistant. Assist in day-to-day activities including specimen preparation, maintenance, identification and loan requests.
- January 2008 – May 2008 **Graduate Curatorial Assistant**, Division of Herpetology, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK. Supervisor: Laurie Vitt – responsible for assisting in collections-based research.
- February 2006 – December 2007 **Undergraduate Collections Volunteer**, Division of Herpetology, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK. Supervisors: Jan Caldwell & Laurie Vitt.

SPECIAL TRAINING

Qiagen BioRobot Universal System Training
Quant Studio 6 Real Time PCR Training
MOTHUR Workshop, Detroit, MI, USA

Bodega Applied Phylogenetics Workshop,
Bodega Bay, CA, USA
SSI Certified Open Water Diver

PROFESSIONAL MEMBERSHIPS

American Society of Naturalists
Partners in Amphibian & Reptile
Conservation
Society for the Study of Amphibians &
Reptiles

Society for the Study of Evolution
Society for Integrative & Comparative
Biology
Society of Systematic Biologists
Systematics Association

PROFESSIONAL SERVICE

Peer Reviewer (No. Manuscripts) for *Acta Ethologica* (1), *Biological Journal of the Linnean Society* (3), *BMC Evolutionary Biology* (1), *Check List* (2), *Herpetological Review* (1), *Integrative and Comparative Biology* (1), *Journal of Zoo Biology* (1), *Molecular Ecology* (5), *Molecular Phylogenetics and Evolution* (1), *Nature Conservation* (1), *South American Journal of Herpetology* (1) & *The Southwestern Naturalist* (1)

2017–present **Assistant Editor**, *Herpetological Conservation Biology*

2017–present **Member** of IUCN Boa and Python Specialist Group

2011–2017 **External Grant Reviewer** for Conservation Leadership Programme: Partnership between Birdlife International, Conservation International, Fauna & Flora International and Wildlife Conservation Society.

2016 **Panel Member**, SSAR graduate student workshop on grant writing and funding opportunities. Joint Meetings of Ichthyologists & Herpetologists, New Orleans, LA, USA

2015–2016 **BGSA Student Representative** (*faculty liaison*), University of Mississippi

2015–2016 **BGSA Treasurer**, University of Mississippi

2015–2016 **Reviewer** for Herpetologists' League EE Williams Research Grant

2014–2016 **Graduate Student Council Representative** (*Biology Senator*), University of Mississippi

2014 **Contributor** to IUCN's Chameleon Specialist Group, Horn of Africa

2012–2016 **Member** of the University of Mississippi IACUC panel responsible for consultation and training of field and laboratory methods pertaining to handling venomous reptiles.

2010 **Session Moderator** (Biogeography) 2010 Joint Annual Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists Portland, Oregon, USA.

2010 **ZAGS Student Representative** (*faculty liaison*), University of Oklahoma

2010 **ZAGS Student Representative** (*graduate selections committee*), University of Oklahoma

OTHER SYNERGISTIC ACTIVITIES

Outreach—Whenever possible I strive seek out opportunities to engage the public and participate in promoting science education. I have been interviewed about my own research on television and internet news outlets such as “Outdoor Oklahoma” – a nature documentary program produced by a PBS affiliate and “Ole Miss News.” Throughout my tenure at the University of Oklahoma I was an active member of the Herpetology Department at the Sam Noble Museum where I helped to organize and participated in numerous museum outreach events including “Frog Night” and “Museum After Hours” events where the collections were open to the public. Often I was tasked with designing posters, education and promotional materials related to the events and I participated in the design of several museum displays. During public events I was often in charge of the live animal displays and interacting with museum patrons to answer questions they had about the herpetofauna. More recently I have been a volunteer judge for the Oxford School District science fair numerous times. As part of my biodiversity research in Ethiopia and Guyana I have had the opportunity to share my results in both academic and public venues, often writing popular articles for travel websites and appearing on Guyanese television.

International Collaborations—International collaboration is the foundation for much of my research program. Beginning in my undergraduate studies and continued throughout my graduate training I have established international collaborations with researchers and universities in Brazil, Ethiopia, French Guiana, Guyana, Mexico and the United Kingdom. Much of my research has included biogeographic studies of Neotropical herpetofauna and I have more recently laid the foundation for international collaborative work focusing on the biogeography of herpetofauna in the Horn of Africa.

Involving Undergraduates in Research—I have mentored several undergraduate researchers in the Noonan Lab and one of my mentees has gone on to a Ph.D. program in Ecology, Evolution and Organismal Biology. Ms. Megan Smith (Barksdale Honors Student and Taylor Medal awardee) gained extensive experience in DNA extraction, sequencing, and next generation library preparation and was awarded both a NSF REU and the prestigious NSF GRFP under my tutelage. Megan has moved on and has taken her GRFP with her to Bryan Carstens’ lab at Ohio State University where she began her Ph.D. studies in the fall of 2015. Megan analyzed data she generated on Ethiopian amphibian diversification patterns using samples I collected during my tenure as a Fulbright Student Scholar in Ethiopia, presented her results at two international meetings (Evolution 2014, SSAR 2015) and has recently submitted this manuscript for publication.

My research role in Operation Wallacea’s Mexico Project has involved supervision of 3 British undergraduate thesis students. Two of my thesis students have gone on to graduate studies in Biology and all 3 are in various stages of preparing their theses for publication in peer-reviewed journals. Undergraduate student volunteers are an integral part of my data collection in Brazil, Guyana, Ethiopia and Mexico.

PRESENTATIONS

INVITED

- 2017 Louisiana State University Natural Science Museum, Baton Rouge, LA.
- 2016 Guyanan EPA & WWF Guyana (also televised locally) Georgetown, Guyana.
- 2015 Biology Seminar, University of Mississippi.
- 2015 Austin Herpetological Society, Austin TX USA.
- 2014 University of Mississippi Graduate College
- 2012 Biology Seminar, University of Mississippi.
- 2012 University of Mississippi Honors College.
- 2010 Museum Seminar, Sam Noble Museum & OU Zoology Department.
- 2010 University of Oklahoma, Undergraduate Zoology Association.
- 2010 University of Oklahoma, Zoology Department eco-munch series.
- 2010 III Annual Biology of Vipers Conference (**plenary lecture**). Pisa, Italy
- 2010 University of Oklahoma Darwinathon. Norman, OK.
- 2009 Oklahoma City Herpetological Society, Oklahoma City Zoo.
- 2008 Oklahoma City Herpetological Society, Oklahoma City Zoo.

CONFERENCE PRESENTATIONS

- 2016 **Colston T.J.**, Noonan, B.P., Jackson, C.R. The Evolution of Squamate Reptile Gut Microbiomes. Joint Meetings of Ichthyologists & Herpetologists, New Orleans, LA, USA.
- 2014 **Colston, T. J.**, Noonan, B.P., Jackson, C.R. Phylogenetic Analysis of Bacterial Communities in Different Regions of the Gastrointestinal Tract of *Agkistrodon piscivorus*, the Cottonmouth Snake. Biology of the Pitvipers 2, Tulsa, Ok, USA.
- 2013 **Colston, T. J.**, Jackson, C.R., Noonan, B.P. Snake Gut Microbial Communities: Ecological and Evolutionary Implications. Joint Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists, Snowbird, Utah, USA.
- 2010 **Colston, T. J.** Biogeography and Phylogeography of *Corallus hortulanus* with a review of the genus *Corallus*. Joint Annual Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists. Portland, Oregon, USA.
- 2010 **Colston, T. J.** Evolutionary Shifts in Dietary History of Snakes Impacts Present Day Community Structure. III Annual Biology of Vipers Conference (**plenary lecture**). Pisa, Italy.

POSTER PRESENTATIONS

- 2015 **Colston, T. J.**, Noonan, B.P., Jackson, C.R. Evolution of Squamate Reptile Gut Bacterial Communities with a Focus on the Advanced Clade Toxicofera. The Society for the Study of Amphibians and Reptiles (SSAR), Lawrence, KS, USA.
- 2014 **Colston, T. J.**, Noonan, B.P., Jackson, C.R. Phylogenetic Analysis of Bacterial Communities in Different Regions of the Gastrointestinal Tract of *Agkistrodon piscivorus*, the Cottonmouth Snake. Joint Meetings of Ichthyologists & Herpetologists, Chattanooga, TN, USA.
- 2014 *Smith, M.L., Noonan, B.P., **Colston, T. J.** Cryptic Diversity in Ethiopian Amphibians Revealed Through Molecular Data. Joint Annual Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists. Raleigh, NC, USA. *—undergraduate researcher

- 2014 **Colston, T. J.**, Noonan, B.P., Jackson, C.R. Phylogenetic Analysis of Bacterial Communities in Different Regions of the Gastrointestinal Tract of *Agkistrodon piscivorus*, the Cottonmouth Snake. University of Mississippi Graduate Student Research Symposium, Oxford, MS, USA
- 2011 **Colston, T. J.**, and Jackson, C.R. Regional Specificity in Snake Gut Microbial Communities: Ecological and Phylogenetic Implications. Joint Annual Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists. Norman, OK, USA
- 2010 **Colston, T. J.** Complex Origins of Neotropical Diversity: Dispersal and Vicariance in the Tree Boas (*Corallus*). University of Oklahoma Research and Performance Day
- 2009 **Colston, T. J.** Dietary Shifts in Evolutionary History of Snakes Affects Present Day Community Structure. IV Annual Brazilian Herpetology Congress. Pirenopolis, Brazil.
- 2008 **Colston, T. J.**, and L.J. Vitt. Dietary Shifts in Snake Evolutionary History. Joint Annual Meeting of the American Society of Naturalists, Society of the Study of Evolution, and the Society of Systematic Biologists. Minneapolis, Minnesota, USA

TECHNICAL REPORTS

- Lujan, N.K., **Colston, T.J.**, & Zyskowski, K. (2016) PRELIMINARY REPORT to Guyanan EPA. Survey of ecotourism resources and aquatic and terrestrial ecosystems of the Orinduik Fall and the upper Ireng River drainage, Region 8, Guyana.
- Snyder, A., & **Colston, T.J.** (2014) FINAL REPORT to WWF & Guyanan EPA. Berbice River, Guyana Biodiversity Assessment Team (BATIII) Survey.
- Colston, T. J.**, Snyder, A., Ali, Z. (2014) FINAL REPORT to WWF & Guyanan EPA. Konawaruk River Biodiversity Assessment Team (BATIII) Survey.
- Colston, T. J.** & Snyder, A. (2014) FINAL REPORT to WWF & Guyanan EPA. Kaietuer Falls – Upper Potaro Biodiversity Assessment Team (BATII) Survey.
- Colston, T. J.** (2013) FINAL REPORT to EWCA and Addis Ababa University. Community assembly in Ethiopian amphibians and reptiles and their associated gut bacteria.
- Colston, T. J.** (2013) FINAL REPORT for J. William Fulbright Student Fellowship: Snakes of different scales: community assembly in ethiopian snakes and their gut bacteria.
- Colston, T. J.** (2013) MIDTERM REPORT for J. William Fulbright Student Fellowship: Snakes of different scales: community assembly in ethiopian snakes and their gut bacteria.

FIELD EXPERIENCE

- January 2016 **(Guyana) Biodiversity Assessment and Ecotourism Potential of the Upper Ireng River, Region 8 Guyana. Financial Support from the Coypu Foundation. Project Coordinator Nathan K. Lujan.** Led herpetofaunal surveys of remote areas of the Ireng River as part of a broader project to assess the biodiversity (aquatic, terrestrial and aerial) present and ecotourism potential of the river for the Guyanese EPA. Made collections of amphibians and reptiles.
- May – June 2015 **(Ethiopia) – Survey of Reptiles and Amphibians of SE Ethiopia (Afar, Oromia and Somali Regions). Financial Support from Aaron Bauer (Villanova University) to TJC.** Conduct field surveys and make collections of amphibians and reptiles in Ethiopia's remote and often conflict ridden eastern regions. Responsible for all

logistical operations and supervision of data collection including specimen preparation and implementation of lizard thermal tolerance experiments.

- September 2014 (Guyana) **Konawaruk River – Konawaruk River Biodiversity Assessment Team (BATIII) Survey. Financial Support from Global Wildlife Conservation and World Wildlife Fund. Project Coordinators Leeanne Alonso, Chuck Hutchinson and Aiesha Williams.** Led herpetofaunal surveys of remote areas of the Konawaruk River as part of a broader project to assess biodiversity impact of the long-term gold mining on the river. Made collections of amphibians and reptiles. Expeditions included remote site insertions and extractions via helicopter, small plane and extensive travel on foot.
- June 2011 – August 2015 (Mexico, Yucatán) **Lead Herpetologist, Operation Wallacea Mexico Project. Supervisor: Kathy Slater** - Leading annual volunteer based biodiversity surveys of the Calakmul Biosphere Reserve in the Yucatán Peninsula. Supervising all reptile and amphibian data collection and mentoring both undergraduate and graduate researchers.
- June 2014 (Ecuador) **Staff Herpetologist, Operation Wallacea Ecuador Project, Supervisor: Caroline Acton** – Led volunteer based herpetological surveys of the Santa Lucia Reserve in NW Ecuador.
- March 2014 (Guyana) **Kaieteur Plateau - Upper Potaro Biodiversity Assessment Team (BAT II) Survey. Financial Support from Global Wildlife Conservation and World Wildlife Fund. Project Coordinators Leeanne Alonso, Chuck Hutchinson and Aiesha Williams.** Led herpetofaunal surveys of remote areas of the upper Potaro River basin as part of a broader project to assess biodiversity impact of the proposed Amaila Falls hydroelectric dam. Made collections of amphibians, reptiles and arachnids. Expeditions included remote site insertions and extractions via helicopter, small plane and extensive travel both on foot and by boat.
- November 2013 (Ethiopia) **Survey of the Highland Reptiles and Amphibians in Bale Mountains National Park. Financial Support from Bale Mountains Lodge to TJC.** Conducted field surveys to remote areas of the park often inaccessible during wet seasons (travel was limited to extreme hikes and/or via horseback) to sample herpetofauna and make collections for the Ethiopian Museum of Natural History (Arat Kilo).
- October 2012 – June 2013 (Ethiopia) **Community Assembly in Ethiopian Snakes and Their Gut Bacteria. Financial support J. William Fulbright Fellowship to TJC.** Conduct field surveys and make collections of amphibians and reptiles throughout Ethiopia. Led multiple, month long, field expeditions where I was responsible for all logistical operations and training of local field assistants in addition to data collection. During my Fulbright tenure I visited 8 of Ethiopia's 9 administrative regions.
- May 2011 (Brazil) **Survey of Amphibians and Reptiles of Crato, Ceará, Brazil. Financial Support: CNPq. Coordinator: Daniel Mesquita.** Survey and make collections of reptiles and amphibians in a Caatinga/Cerrado contact zone.
- January 2008 – July 2010 (Oklahoma, USA) **Graduate Student & Research Assistant, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK. Supervisors: Jan Caldwell and Laurie Vitt** - Conduct field surveys and make collections of amphibians and reptiles on State Wildlife Management Areas.
- January 2009 & 2010 (Mexico) **Graduate Research Assistant, University of Oklahoma, Norman, OK. Supervisor: Ingo Schlupp** - Conduct surveys, field experiments, make live and preserved collections of fish in Tabasco, Mexico. *See publications #2&3

- October 2009 (New Mexico, USA) **Research Assistant, New Mexico Fish and Game, Animas, New Mexico. Supervisor: Charles Painter** -Field research assistant. Assist in conducting surveys for the federally protected rattlesnake species *Crotalus w. obscurus*. Part of a long term mark recapture survey. Conducted prey recruitment surveys via lizard transects and mammal traps in a recently burned canyon.
- September 2009 (Arkansas, USA) **Research Assistant, Arkansas Fish and Game, Eleven Points River, Arkansas. Supervisor: Kelly Irwin** - Field research assistant. Assist in conducting surveys for the federally protected salamander species *Cryptobranchus alleganiensis*. Stream habitats were surveyed using snorkeling equipments and a hookah diving system. Part of a long-term mark recapture survey.
- December 2007-January 2008 (Mexico) **Graduate Research Assistant, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, Ok. Supervisor: Gary Schnell** - Conduct field surveys, make museum collections, conduct mark-recapture and radio telemetry studies of small mammals of Colima, Mexico.
- May 2006-August 2007 (Oklahoma, USA) **Undergraduate Research Assistant, Sam Noble Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK. Supervisors: Jan Caldwell and Laurie Vitt** - Conduct field surveys and make collections of amphibians and reptiles on State Wildlife Management Areas.

REFERENCES

Brice Noonan, Associate Professor,
Department of Biology, University of
Mississippi. bnoonan@olemiss.edu

Colin Jackson, Associate Professor,
Department of Biology, University of
Mississippi. cjackson@olemiss.edu

Alex Pyron, Assistant Professor
Department of Biological Sciences,
The George Washington University
rpyron@colubroid.org

Laurie Vitt, Professor and Curator Emeritus,
Sam Noble Museum & Department of Biology,
University of Oklahoma. vitt@ou.edu

Cam Siler, Assistant Professor and Curator,
Sam Noble Museum & Department of Biology,
University of Oklahoma. camsiler@ou.edu