

R. GRAHAM REYNOLDS, PH.D.

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SUMMARY

Associate Professor at UNC Asheville and Associate at the Museum of Comparative Zoology. National Geographic Explorer. Red List Authority for the IUCN SSC Snake Specialist Group. Published >50 papers, 3 books, and >50 technical papers. Associate Editor for *Biological Invasions*, *Caribbean Herpetology*, and *Journal of Herpetology*. Reviewer for >250 manuscripts among 33 journals.

EDUCATION

2011 **PhD** in Ecology & Evolutionary Biology, University of Tennessee Knoxville, Tennessee
(Adv: Benjamin M. Fitzpatrick)

2004 **BA** in Biology, Duke University, Durham, North Carolina (Adv: Susan C. Alberts)

ACADEMIC APPOINTMENTS

2021–2025 Selby and Richard McRae Chancellor's Scholars Faculty Advisor

2020– Associate Professor, Department of Biology, University of North Carolina Asheville.

2017– Associate, Department of Herpetology, Museum of Comparative Zoology, Harvard University

2016–2020 Assistant Professor, Department of Biology, University of North Carolina Asheville

2014–2016 Postdoctoral Fellow, Department of Organismic and Evolutionary Biology & Museum of Comparative Zoology, Harvard University (Mentor: Jonathan B. Losos)

2011–2014 Postdoctoral Research Associate, Department of Biology, University of Massachusetts Boston (Mentor: Liam J. Revell)

PROFESSIONAL APPOINTMENTS

2021– Red List Authority (co-chair), IUCN SSC Snake Specialist Group

2021– IUCN SSC Iguana Specialist Group, Iguana Taxonomy Working Group

2018– Associate Editor, Biological Invasions

2018– Associate Editor, Caribbean Herpetology

2017–2020 Deputy Chair, IUCN SSC Anoline Lizard Specialist Group

2014– Associate Editor, Journal of Herpetology

AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS

2019–2023 National Geographic Explorer

2015 Harvard University, Postdoctoral Award for Professional Development

2013–2014 Harvard University, Visiting Fellowship (declined)

2011 University of Tennessee Science Alliance Graduate Student Award

2009–2010 American Philosophical Society Lewis and Clark Field Scholar

2008–2009 University of Tennessee W.K. McClure Scholar for the Study of World Affairs

- 2003–2004 Duke University Howard Hughes Fellow in the Biological Sciences
 2003 Duke University Deans' Summer Fellow in the Biological Sciences

PEER-REVIEWED PUBLICATIONS

Symbol Legend: **Undergraduate Mentee *Graduate Mentee †equal authorship

BOOKS:

3. **Reynolds, R.G.**, R.W. Henderson, L.M. Díaz, T.R. Rodriguez-Cabrera, and A.R. Puente-Rolón. 2023. Boas of the West Indies: Evolution, Natural History, and Conservation. Comstock Publishing Associates, Ithaca, NY.
2. Niemiller, M.L. **R.G. Reynolds**, and B.T. Miller (Eds.). 2013. The Reptiles of Tennessee. The University of Tennessee Press, Knoxville, TN. 366 pgs. [[doi](#)]
1. Niemiller, M.L. and **R.G. Reynolds** (Eds.). 2011. The Amphibians of Tennessee. The University of Tennessee Press, Knoxville, TN. 369 pgs. [[doi](#)]

MANUSCRIPTS:

- Reynolds, R.G.**, M.E. Reger, K.J. Peek, B. L. Raphael, G. Colosimo, A.H. Miller, A. A. Vanerelli, and G.P. Gerber. Spatial Ecology of the Turks & Caicos Boa, *Chilabothrus c. chrysogaster* Cope, 1871 (Serpentes:Boidae) on Big Ambergris Cay. *Ready to submit*.
- Vanerelli**, A., A.H. Miller**, and **R.G. Reynolds**. Mitochondrial genome of the critically endangered Silver Boa (*Chilabothrus argentum*; Squamata; Boidae). *In review*.
- Reynolds, R.G.**, and S.D. Buckner. Preliminary characterization of the bird diversity of Conception Island National Park, Bahamas. *In review*.
- Geneva, A.J., S. Park, D. Bock, P. de Mello, F. Sarigol, M. Tollis, C. Donihue, **R.G. Reynolds**, N. Feiner, A.M. Rasys, J.D. Lauderdale, C.R. Infante, J. Kolbe, D. Schluter, D.B. Menke, and J.B. Losos. Chromosome-scale genome assembly of the brown anole (*Anolis sagrei*), an emerging model species. *In revision*. [also published 11/30/2021 as a preprint on [bioRxiv](#)].
- Reynolds, R.G.**, A.R. Puente-Rolon, and A.J. Geneva. Natural history of the newly discovered and critically endangered Silver Boa (*Chilabothrus argentum*; Squamata; Boidae). *In revision*.
- Reynolds, R.G.**, A.H. Miller**, S.A. Pasachnik, C.R. Knapp, M.E. Welch, G. Colosimo, G.P. Gerber, B. Drawert, and J.B. Iverson. In Press. Phylogenomics and historical biogeography of West Indian rock iguanas (genus *Cyclura*). *Molecular Phylogenetics and Evolution*. *In revision*.
54. Maayan, I., **R.G. Reynolds**, R.M. Goodman, P.M. Hime, R. Bickel, E.A. Luck, and J.B. Losos. In Press. Fixation and preservation contribute to distortion in vertebrate museum specimens: a ten-year study with the lizard *Anolis sagrei*. *Biological Journal of the Linnean Society*.
 53. Scherrer, R., C.M. Donihue, **R.G. Reynolds**, J.B. Losos, and A.J. Geneva. In Press. Dewlap color variation in *Anolis sagrei* is maintained among habitats within islands of the West Indies. *Journal of Evolutionary Biology*.
 52. Landestoy T., M.A., **R.G. Reynolds**, and R.W. Henderson. 2021. A small new arboreal species of West Indian Boa (Boidae; *Chilabothrus*) from southern Hispaniola. *Breviora* 571: 1–20.

51. Smith, D., **R.G. Reynolds**, and K. Hagen. 2021. Snakes on a path: ecology of a North Carolina piedmont snake community. *Herpetological Review* 52: 473–481.
50. Miller^{**}, A.H., H.R. Davis, D.H. Quyen, L.M. Anh, P.Q. Tien, C.T. Pham, J. Lee, K. de Queiroz, **R.G. Reynolds**, T.Q. Nguyen. 2020. Discovery of a new species of enigmatic odd-scaled snake (Serpentes: Xenodermidae: *Achalinus*) from Ha Giang Province, Vietnam. *Copeia* 108: 796-808. [[doi](#)]
49. **Reynolds, R.G.** and S.T. Giery. 2022. Amphibians of the Bahamas and Turks and Caicos Islands. Chapter 15 in Volume 9: Status of the Decline and Conservation of Amphibians: Western Hemisphere, Part 5. The Caribbean. Edited by N. Ríos López and H. Heatwole. Pelagic Press, Exeter, UK. (in press).
48. Donihue, C.M., A. Kowaleski, A. Algar, S. Baeckens, R.W. Buchkowski, A.-C. Fabre, H.K. Frank, A.J. Geneva, D.L. Mahler, **R.G. Reynolds**, J.T. Stroud, J.A. Velasco, J.J. Kolbe, J.B. Losos, and A. Herrel. 2020. Hurricane effects on Neotropical lizards span geographic and phylogenetic scales. *Proceedings of the National Academy of Science USA* 117: 10429–10434. [[doi](#)] [Cover Article]
47. **Reynolds, R.G.**, J.P. Burgess, G. Waters, B.N. Manco, and G.P. Gerber. 2020. Characterization of color pattern dimorphism in Turks and Caicos Boas, *Chilabothrus chrysogaster chrysogaster*, on Big Ambergris Cay, Turks and Caicos Islands. *Journal of Herpetology* 54: 337–346.
46. Freitas, E., A.H. Miller^{**}, **R.G. Reynolds**, and C.D. Siler. 2020. A taxonomic conundrum: Characterizing a cryptic radiation of Myanmar Asian gracile skinks (Squamata: Scincidae: *Riopa*). *Molecular Phylogenetics and Evolution* 146: 106754. [[doi](#)]
45. Aungst^{**}, E., A.R. Puente-Rolón, and **R.G. Reynolds**. 2020. Genetic diversity in captive populations of the endangered Puerto Rican Boa, *Chilabothrus inornatus*. *Zoo Biology* 39: 205–213. [[doi](#)]
44. **Reynolds, R.G.**, J.J. Kolbe, R.E. Glor, M. López-Darias, C.V. Gómez Pourroy, A.S. Harrison, K. de Queiroz, L.J. Revell, and J.B. Losos. 2020. Phylogeographic and phenotypic outcomes of brown anole colonization across the Caribbean provide insight into the beginning stages of an adaptive radiation. *Journal of Evolutionary Biology* 33: 468–494. [[doi](#)]
43. Quach^{*}, Q.N., **R.G. Reynolds**, and L.J. Revell. 2020. Historical allopatry and secondary contact or primary intergradation in the Puerto Rican Crested Anole, *Anolis cristatellus*, on Vieques Island. *Biological Journal of the Linnean Society* 129: 114–127. [[doi](#)]
42. Miller, A.H.^{**}, A. Jackson, M.P. van den Burg, C.R. Knapp, M.E. Welch, and **R.G. Reynolds**. 2019. The complete mitogenome of the critically endangered Lesser Antillean iguana (*Iguana delicatissima*; Squamata:Iguanidae). *Mitochondrial DNA Part B* 4: 2479–2481. [[doi](#)]
41. **Reynolds, R.G.**, and R.W. Henderson. 2018. Boas of the world (superfamily Booidea) with systematic, taxonomic, and conservation assessments. *Bulletin of the Museum of Comparative Zoology* 162: 1–58. [[doi](#)]
40. Herrmann^{*}, N.C., S. Yates^{**}, J.R. Fredette^{**}, M.K. Leavens, R. Moretti, and **R.G. Reynolds**. 2018. Lizards on islands within islands: microhabitat use, movement, and cannibalism in *Anolis sagrei* and *Anolis smaragdinus*. *Caribbean Naturalist* 50: 1-17. [[doi](#)]

39. **Reynolds, R.G.**, A.R. Puente-Rolón, A.L. Castle^{*}, M. van de Schoot, and A.J. Geneva. 2018. Herpetofauna of the Cay Sal Bank, Bahamas and phylogenetic relationships of *Anolis fairchildi*, *Anolis sagrei*, and *Tropidophis curtus* from the region. *Breviora* 560: 1–19. [[doi](#)]
38. **Reynolds, R.G.**, A.R. Puente-Rolón, J.P. Burgess, and B.O. Baker. 2018. Rediscovery and a redescription of the Crooked-Acklins Boa, *Chilabothrus schwartzi* (Buden, 1975), new comb. *Breviora* 558: 1–16. [[doi](#)]
37. **Reynolds[†], R.G.**, T.R. Strickland^{**†}, J.J. Kolbe, B.G. Falk, G. Perry, L.J. Revell, and J.B. Losos. 2017. Archipelagic genetics in a widespread Caribbean anole. *Journal of Biogeography* 44: 2631–2647. [[doi](#)]
36. **Reynolds, R.G.**, S.T. Giery, W. Jesse^{*}, and Q. Quach^{*}. 2016. Preliminary assessment of road mortality in the Northern Bahamas Boa, *Chilabothrus exsul*. *Caribbean Naturalist* 34: 1–10. [[doi](#)]
35. **Reynolds, R.G.**, D.C. Collar, S.A. Pasachnik, M.L. Niemiller, A.R. Puente-Rolón, and L.J. Revell. 2016. Ecological specialization and morphological diversification in Greater Antillean boas. *Evolution* 70: 1882–1895. [[doi](#)]
34. Winchell^{*}, K.M., **R.G. Reynolds**, S. Prado-Irwin^{*}, A.R. Puente-Rolón, and L.J. Revell. 2016. Phenotypic shifts in urban areas in the tropical lizard *Anolis cristatellus*. *Evolution* 70: 1009–1022. [[doi](#)] [Cover Article]
33. **Reynolds, R.G.**, A.R. Puente-Rolón, K.J. Aviles-Rodriguez^{*}, A.J. Geneva, and N.C. Herrmann^{*}. 2016. Discovery of a remarkable new boa from the Conception Island Bank, Bahamas. *Breviora* 549: 1–19. [[doi](#)]
32. Siliceo-Cantero, H.H., A. García, G. Pacheco, **R.G. Reynolds**, and B.C. Lister. 2016. Dimorphism and divergence in island and mainland anoles. *Biological Journal of the Linnean Society* 118: 852–872. [[doi](#)]
31. Niemiller, M.L., B.M. Glorioso, D.B. Fenolio, **R.G. Reynolds**, S.J. Taylor, and B.T. Miller. 2016. Growth, survival, longevity, and population size of the Big Mouth Cave Salamander (*Gyrinophilus palleucus necturoides*) from the type locality in Grundy Co., Tennessee, USA. *Copeia* 2016: 35–41. [[doi](#)]
30. Bushar, L.M., **R.G. Reynolds**, S. Tucker, L.C. Pace, W.I. Lutterschmidt, R.A. Odum, and H.K. Reinert. 2015. Genetic characterization of an invasive *Boa constrictor* population on the Caribbean island of Aruba. *Journal of Herpetology* 49: 602–610. [[doi](#)]
29. Winchell^{*}, K.M., P. Muralidhar^{*}, J.R. Fredette^{**}, and **R.G. Reynolds**. 2015. New herpetofaunal records for Great Isaac Cay, Bimini Group, Bahamas. *IRCF Reptiles & Amphibians: Conservation and Natural History* 22: 106–110.
28. **Reynolds, R.G.**, A.R. Puente-Rolón, R. Platenberg, R.K. Tyler^{**}, P.J. Tolson, and L.J. Revell. 2015. Large divergence and low diversity suggest genetically informed conservation strategies for the endangered Virgin Islands boa (*Chilabothrus monensis*). *Global Ecology and Conservation* 3: 487–502. [[doi](#)]

27. Revell, L.J., D.L. Mahler, **R.G. Reynolds**, and G.J. Slater. 2015. Placing cryptic, recently extinct, or hypothesized taxa into an ultrametric phylogeny using continuous character data: a case study with the lizard *Anolis roosevelti*. *Evolution* 69: 1027–1035. [[doi](#)]
26. Stuart, Y.E., T.S. Campbell, P.A. Hohenlohe, **R.G. Reynolds**, L.J. Revell, and J.B. Losos. 2014. Rapid evolution of a native species following invasion by a congener. *Science* 346: 463–466. [[doi](#)]
25. Pyron, R.A, **R.G. Reynolds**, and F.T. Burbrink. 2014. A taxonomic revision of boas (Serpentes: Boidae). *Zootaxa* 3846: 249–260. [[doi](#)]
24. **Reynolds, R.G.**, M.L. Niemiller, and L.J. Revell. 2014. Toward a Tree-of-Life for the boas and pythons: multilocus species-level phylogeny with unprecedented taxon sampling. *Molecular Phylogenetics and Evolution* 71: 201–213. [[doi](#)]
23. **Reynolds, R.G.**, A.R. Puente-Rolón, M. Barandiaran, and L.J. Revell. 2014. Hispaniolan Boa (*Chilabothrus striatus*) on Vieques Island, Puerto Rico. *Herpetology Notes* 7: 121–122. [[doi](#)]
22. **Reynolds, R.G.**, A.R. Puente-Rolón, K. Kolodzaiké**, and T. Butler-Smith**. 2014. Isolation and characterization of 23 novel polymorphic microsatellite markers from the endangered Puerto Rican boa (*Chilabothrus inornatus*) using paired-end Illumina shotgun sequencing. *Conservation Genetics Resources* 6: 107–109. [[doi](#)]
21. **Reynolds, R.G.**, M.L. Niemiller, S.B. Hedges, A. Dornburg, A.R. Puente-Rolón, and L.J. Revell. 2013. Molecular phylogeny and historical biogeography of West Indian boid snakes (*Chilabothrus*). *Molecular Phylogenetics and Evolution* 68: 461–470. [[doi](#)]
20. Puente-Rolón†, A.R., **R.G. Reynolds**†, and L.J. Revell. 2013. Preliminary genetic analysis supports cave populations as targets for conservation in the endemic, endangered Puerto Rican boa (Boidae: *Epicrates inornatus*). *PLoS ONE* 8(5): e63899. [[doi](#)]
19. **Reynolds, R.G.** and B.M. Fitzpatrick. 2013. Tests of two methods for identifying founder effects in metapopulations reveal substantial type II error. *Genetica* 141: 119–131. [[doi](#)]
18. **Reynolds, R.G.**, A.R. Puente-Rolón, R.N. Reed, and L.J. Revell. 2013. Genetic analysis of a novel invasion of Puerto Rico by an exotic constricting snake. *Biological Invasions* 15: 953–959. [[doi](#)]
17. Niemiller, M.L., J.R. McCandless, **R.G. Reynolds**, J. Caddle, T.J. Near, C.R. Tilquist, W.D. Pearson, and B.M. Fitzpatrick. 2013. Effects of climatic and geological processes during the Pleistocene on the evolutionary history of the northern cavefish, *Amblyopsis spelaea* (Teleostei: Amblyopsidae). *Evolution* 67: 1011–1025. [[doi](#)]
16. **Reynolds, R.G.**, W. Booth, G.W. Schuett, B.M. Fitzpatrick, and G.M. Burghardt. 2012. Successive virgin births of viable male progeny in the checkered gartersnake, *Thamnophis marcianus*. *Biological Journal of the Linnean Society* 107: 566–572. [[doi](#)]
15. **Reynolds, R.G.**, M.L. Niemiller, and B.M. Fitzpatrick. 2012. Genetic analysis of an endemic archipelagic lizard reveals sympatric cryptic lineages and taxonomic discordance. *Conservation Genetics* 13: 953–963. [[doi](#)]
14. Revell, L.J. and **R.G. Reynolds**. 2012. A new Bayesian method for fitting evolutionary models to comparative data with intraspecific variation. *Evolution* 66: 2697–2707. [[doi](#)] [cover article]

13. **Reynolds, R.G.** and G.P. Gerber. 2012. Ecology and conservation of the Turks Island Boa (*Epicrates chrysogaster chrysogaster*: Squamata: Boidae) on Big Ambergris Cay. *Journal of Herpetology* 46: 578–586. [[doi](#)]
12. Fitzpatrick, B.M., J.A. Fordyce, M.L. Niemiller, and **R.G. Reynolds**. 2012. What can DNA tell us about biological invasions? *Biological Invasions* 14: 245–253. [[doi](#)]
11. Placyk, J.S., B.M. Fitzpatrick, G.S. Casper, R.L. Small, **R.G. Reynolds**, D.W.A. Noble, R.J. Brooks, and G.M. Burghardt. 2012. Hybridization between two gartersnake species (*Thamnophis*) of conservation concern: A threat or an important natural interaction? *Conservation Genetics* 13: 649–663. [[doi](#)]
10. Buckner, S.D., R. Franz, and **R.G. Reynolds**. 2012. Bahama Islands and Turks & Caicos Islands. In: R. Powell and R.W. Henderson (Eds.). Island Lists of West Indian Amphibians and Reptiles. *Bulletin of the Florida Museum of Natural History* 51: 85–166. [[doi](#)]
9. **Reynolds, R.G.** 2012. *Epicrates chrysogaster*. *Catalogue of American Amphibians and Reptiles* 898: 1–5.
8. **Reynolds, R.G.**, G.P. Gerber, and B.M. Fitzpatrick. 2011. Unexpected shallow genetic divergence in Turks Island Boas (*Epicrates c. chrysogaster*) reveals single evolutionarily significant unit for conservation. *Herpetologica* 67: 477–486. [[doi](#)]
7. Booth, W., L. Million, **R.G. Reynolds**, G.M. Burghardt, E.L. Vargo, C. Schal, A.C. Tzika, and G.W. Schuett. 2011. Consecutive virgin births in the new world boid snake, the Colombian Rainbow Boa, *Epicrates maurus*. *Journal of Heredity* 102: 759–763. [[doi](#)]
6. **Reynolds, R.G.** 2011. Status, conservation, and introduction of amphibians and reptiles in the Turks and Caicos Islands, British West Indies, p. 377–406. In: A. Hailey, B.S. Wilson, and J.A. Horrocks (Eds.). *Conservation of Caribbean Island Herpetofaunas, vol. 2: Regional Accounts of the West Indies*. Brill, Netherlands. [[doi](#)]
5. Niemiller, M.L., **R.G. Reynolds**, B.M. Glorioso, J. Spiess, and B.T. Miller. 2011. Herpetofauna of the cedar glades and adjacent habitats of the inner central basin of middle Tennessee. *Herpetological Conservation and Biology* 6: 135–149. [[doi](#)]
4. **Reynolds, R.G.**, M.L. Niemiller, and S.A. Pasachnik. 2011. Occurrence of pygmy salamanders (*Desmognathus wrighti*) in Monroe County, Tennessee. *Journal of the Tennessee Academy of Science* 86: 53–55.
3. **Reynolds, R.G.** and M.L. Niemiller. 2010. Island invaders: introduced amphibians and reptiles of the Turks and Caicos Islands. *IRCF Reptiles & Amphibians: Conservation and Natural History* 17: 117–121.
2. Miller, B.T., M.L. Niemiller, and **R.G. Reynolds**. 2008. Observations on egg-laying behavior and interactions among attending female Red Salamanders (*Pseudotriton ruber*) with comments on the use of caves by this species. *Herpetological Conservation and Biology* 3: 203–210. [[doi](#)]
1. **Reynolds, R.G.** and B.M. Fitzpatrick. 2007. Assortative mating in poison-dart frogs based on an ecologically important trait. *Evolution* 61: 2253–2259. [[doi](#)]

INVITED BOOK REVIEWS:

- Reynolds, R.G.** 2022. Book review: Anaconda: The Secret Life of the World's Largest Snake. *The Quarterly Review of Biology* in press.
- Reynolds, R.G.** 2020. Book review: The Origin of Snakes: Morphology and Fossil Record. *The Quarterly Review of Biology* 95: 138. [[doi](#)]
- Reynolds, R.G.** 2017. Book review: Natural History of Neotropical Treeboas (Genus *Corallus*). *Copeia* 105: 164-178. [[doi](#)]

NATURAL HISTORY NOTES:

- 2022 **Reynolds, R.G.**, C. Reynolds, E. Reynolds, and J.G. Reynolds. *Plethodon montanus* (Northern Gray-cheeked Salamander). Distribution. *Herpetological Review*. 53(1): 69.
- 2021 Miller, A.H., H.N. Ngo, H. Quoc, P.Q. Tien, H.R. Davis, and **R.G. Reynolds**. *Protobothrops mucrosquamatus* (Brown Spotted Pitviper). Egg-guarding. *Herpetological Review* 52(1): 169.
- 2020 **Reynolds, R.G.**, G. Colosimo, K. Peek, A. Vanerelli, K. Bradley, and Glenn P. Gerber. *Chilabothrus chrysogaster chrysogaster* (Turks Island Boa). Diet. *Herpetological Review* 51(3): 610–611.
- 2017 **Reynolds, R.G.**, J. Burgess, G. Waters, and G.P. Gerber. *Chilabothrus chrysogaster chrysogaster* (Turks Island Boa). Diet. *Herpetological Review* 48: 857.
- 2016 Geneva, A.J., **R.G. Reynolds**, N.C. Herrmann*, A.R. Puente-Rolón, and K.J. Aviles-Rodriguez*. *Hemidactylus mabouia* (Woodslave). Distribution. *Herpetological Review* 47: 423–424.
- 2016 **Reynolds, R.G.** and A.R. Puente-Rolón. *Chilabothrus strigilatus* (Bahamas Boa). Distribution. *Herpetological Review* 47: 425.
- 2016 **Reynolds, R.G.**, N.C. Herrmann*, A.R. Puente-Rolón, A.J. Geneva, and K.J. Aviles-Rodriguez*. *Osteopilus septentrionalis* (Cuban Treefrog). Distribution. *Herpetological Review* 47: 420.
- 2013 **Reynolds, R.G.** and B.N. Manco. *Epicrates c. chrysogaster* (Turks Island Boa). Climbing Behavior. *Herpetological Review* 44: 690–691.
- 2012 Nelson**, S.K., M.L. Niemiller, and **R.G. Reynolds**. New county records for amphibians and reptiles in Tennessee. *Herpetological Review* 43: 353–354.
- 2011 **Reynolds, R.G.** *Hemidactylus mabouia* (Tropical House Gecko), distribution. *Caribbean Herpetology* 28:1. [[doi](#)]
- 2011 **Reynolds, R.G.** *Eleutherodactylus planirostris planirostris* (Cuban Flathead Frog), distribution. *Caribbean Herpetology* 27:1. [[doi](#)]
- 2011 **Reynolds, R.G.** and B.M. Riggs. *Iguana iguana* (Green Iguana). Distribution. *Herpetological Review* 42: 241. [[pdf](#)]
- 2011 **Reynolds, R.G.**, M.L. Niemiller, B.M. Riggs, and B.N. Manco. *Osteopilus septentrionalis* (Cuban Treefrog). Distribution. *Herpetological Review* 42: 237–238. [[pdf](#)]
- 2011 **Reynolds, R.G.** and B.M. Riggs. *Pantherophis guttatus* (Cornsnake). Distribution. *Herpetological Review* 42: 243. [[pdf](#)]
- 2011 **Reynolds, R.G.**, B.M. Riggs, M. Hibbert, and E. Salamanca. *Trachemys scripta elegans* (Red-eared slider). Distribution. *Herpetological Review* 42: 239. [[pdf](#)]

- 2011 **Reynolds, R.G.**, J. Batchasingh, and B.M. Riggs. *Ramphotyphlops braminus* (Brahminy Blind Snake). Distribution. *Herpetological Review* 42: 244. [[pdf](#)]
- 2011 **Reynolds, R.G.**, B.M. Riggs, M. Hibbert, and E. Salamanca. *Anolis equestris* (Knight Anole). Distribution. *Herpetological Review* 42: 239. [[pdf](#)]
- 2011 **Reynolds, R.G.**, M.L. Niemiller, and BN Manco. *Epicrates chrysogaster chrysogaster* (Turks Island Boa). Maximum Size. *Herpetological Review* 42: 290. [[pdf](#)]
- 2011 **Reynolds, R.G.**, and M.L. Niemiller. *Epicrates chrysogaster chrysogaster* (Turks Island Boa). Diet. *Herpetological Review* 42: 290. [[pdf](#)]
- 2010 **Reynolds, R.G.**, G.P. Gerber, and J. Burgess. *Tropidophis greenwayi greenwayi* (Big Ambergris Dwarf Boa). Distribution. *Herpetological Review* 41: 520.
- 2010 **Reynolds, R.G.** *Typhlops platycephalus* (Puerto Rican White-tailed Blindsnake), distribution. *Caribbean Herpetology* 15:1. [[doi](#)]
- 2010 **Reynolds, R.G.**, and ML Niemiller. *Epicrates chrysogaster* (Southern Bahamas Boa), distribution. *Caribbean Herpetology* 14:1. [[doi](#)]
- 2009 **Reynolds, R.G.**, and ML Niemiller. *Hemidactylus mabouia* (Wood Slave). Distribution. *Herpetological Review* 40: 452.
- 2009 **Reynolds, R.G.** *Leiocephalus psammmodromus* (Turks and Caicos Curly-tailed Lizard). Conspecific necrophagy. *Herpetological Review* 40: 88–89.
- 2009 Niemiller, M.L., **R.G. Reynolds**, JG Reynolds, and BT Miller. *Gyrinophilus porphyriticus porphyriticus* (Northern Spring Salamander). Reproduction. *Herpetological Review* 40: 67.

POPULAR ARTICLES, PREPRINTS, AND TECHNICAL REPORTS:

- 2021 **Reynolds, R.G.**, A.H. Miller, A. Ríos-Franceschi, C.A. Huffine, J. Fredette, N.F. Angeli, S.I. Vega-Castillo, L.J. Revell, and A.R. Puente-Rolón. Molecular phylogeny of Puerto Rico Bank dwarf geckos (Squamata: Sphaerodactylidae: Sphaerodactylus). bioRxiv 2021.03.23.436310; [[doi](#)]
- 2020 **Reynolds, R.G.**, D. Smith, S. Buckner, S. Cant-Woodside, L. Gape, G. Deane, P. Miller, O. Byers (Eds). 2020. Conception Bank Silver Boa Species Conservation Planning Workshop, Final Report. IUCN SSC Conservation Planning Specialist Group, Apple Valley, MN, USA
- 2011–Present *Anole Annals* Blog contributor [[link](#)]
- 2016 **Reynolds, R.G.** IUCN Red List Assessment, *Chilabothrus argentum*.
- 2016 Brooks, T., **R.G. Reynolds**, and S.D. Buckner. IUCN Red List Assessments for 24 species of reptiles from the Bahamas and Turks and Caicos Islands.
- 2014 **Reynolds, RG** and AR Puente-Rolón. 2014. Conservation Genetics of the Puerto Rican boa (*Chilabothrus inornatus*). Final Report, Cooperative Agreement #F12AP01103. USFWS, Caribbean Ecological Services Field Office, Boquerón, PR. 18 pp.
- 2011 **Reynolds, R.G.**, and M.L. Niemiller. New scales: reptiles invade the Turks and Caicos. Green Pages, *Times of the Islands Magazine*, Spring, 94: 30–33.
- 2010 **Reynolds, R.G.**, and C. Deal. Where do all the babies go? Understanding the biology of juvenile Rainbow Boas. Green Pages, *Times of the Islands Magazine*, Winter, 93:34–36.

- 2009 **Reynolds, R.G.** Scaling Millennia: What can lizards teach us about TCI's history? Green Pages, *Times of the Islands Magazine*, Winter 2009: 42–45.
- 2009 Miller, B.T., D. Estabrooks**, **R.G. Reynolds**, and M.L. Niemiller. Status review of the Streamside Salamander (*Ambystoma barbouri*) in Tennessee. Report to Tennessee Wildlife Resources Agency. [[doi](#)]

SELECT FUNDING AWARDS

- 2022 Planet Education Research Program Award.
- 2020 Darwin Plus: Overseas Territories Environment and Climate Fund. Collaborative sub-award with Royal Society for the Protection of Birds and San Diego Zoo (\$5,500)
- 2020 Annual Fund – Student Study Abroad with the Reynolds Lab (\$1,940)
- 2019 National Geographic Society Committee for Research and Exploration (\$32,822)
- 2019 Scholarship of Teaching and Learning Grant, Center for Teaching and Learning at UNC Asheville (\$4,500; with R. Hale and J. Wingert).
- 2019 North Carolina Zoo and Ft. Worth Zoo (\$4,000)
- 2019 Intramural Faculty Fellowship (\$1,000)
- 2019 Mohamed bin Zayed Species Conservation Fund (\$13,300)
- 2019 Division of Fish and Wildlife, Government of the Virgin Islands (\$1,500)
- 2018 Shedd Aquarium Center for Conservation and Research (\$750)
- 2018 Dovetail Genome Assembly Award, Dovetail Genomics (\$8,500 declined)
- 2018 Smithsonian Global Genome Initiative Award (\$15,000, with Aryeh Miller)
- 2018 Brownstone Family Foundation in Support of Student Study Abroad (\$5,000, plus \$5,00 in additional matching gifts)
- 2018 Faculty Development Grant, Office of Academic Affairs, UNC Asheville (\$290)
- 2016 Shedd Aquarium Center for Conservation and Research (\$2,000)
- 2016 International Iguana Foundation (\$8,457, with S. Pasachnik, J. Iverson, and C. Knapp)
- 2016 Darwin Plus: Overseas Territories Environment and Climate Fund. Collaborative sub-award with Royal Society for the Protection of Birds and San Diego Zoo (\$15,522)
- 2015 Harvard Museum of Comparative Zoology, Thomas Barbour Fund Research Expedition Grant (\$8,250)
- 2015 Harvard University, Postdoctoral Award for Professional Development (\$1,000)
- 2014 Harvard Museum of Comparative Zoology, Putnam Expedition Grant (\$9,198)
- 2013 Tennessee Wildlife Resources Agency (\$8,000; with M. Niemiller and B. Miller)
- 2012 US Fish and Wildlife, Endangered Species Recovery Implementation (\$9,803; with A. Puente-Rolón)
- 2011 University of Tennessee Science Alliance Graduate Student Award (\$3,000)
- 2011 JM Kaplan Fund (\$3,000; with M. Niemiller)
- 2010 Tennessee Wildlife Resources Agency (\$8,000; with M. Niemiller)
- 2010 Mohamed bin Zayed Species Conservation Fund (\$5,000)
- 2010 University of Tennessee, Graduate Student Travel Award (\$403)

- 2009 American Philosophical Society, Lewis and Clark Fund for Exploration and Field Research (\$2,200)
- 2009 American Genetics Association (\$800)
- 2008 American Museum of Natural History, Theodore Roosevelt Memorial Fund Grant (\$1,095)
- 2008 Sigma Xi, The Scientific Research Society, Grant-in-Aid of Research (\$500)
- 2008 W. K. McClure Scholarship for the Study of World Affairs (\$3,000)
- 2008 American Genetics Association (\$500)
- 2007 University of Tennessee Summer Research Grants (x4) (\$5,850)
- 2003 Duke University - Howard Hughes Fellowship in Biology (\$500)
- 2003 Duke University - Mellon Foundation Latin American Travel Grant (\$800)
- 2003 Duke University – Deans’ Summer Fellowship (\$1,352)

EDITORIAL SERVICE

- Current Associate Editor: *Biological Invasions*, 2018–Present
Caribbean Herpetology, 2018–Present
Journal of Herpetology, 2014–Present
- Previous Editor Positions: *Food Webs* (Herpetology Editor), 2018–2021
Journal of North American Herpetology, 2013–2016
Herpetological Conservation and Biology, 2015–2016 (ad hoc AE)

PROFESSIONAL SERVICE

- Reviewer: *Journal of Herpetology*, *Herpetological Conservation and Biology*, *Biological Invasions*, *Evolution*, *Molecular Ecology*, *Journal of Biogeography*, *Biological Journal of the Linnean Society*, *Ecology*, *Proceedings of the Royal Society B*, *Conservation Genetics*, *IRCF Reptiles and Amphibians*, *Methods in Ecology and Evolution*, *Southeastern Naturalist*, *Herpetologica*, *Ecology and Evolution*, *Caribbean Herpetology*, *Copeia*, *Molecular Phylogenetics and Evolution*, *The Herpetological Journal*, *Journal of Animal Ecology*, *American Naturalist*, *Nature Communications*, *BMC Genomics*, *Animal Biology*, *Axios*, *Biology Letters*, *Diversity and Distributions*, *Evolutionary Applications*, *Global Change Biology*, *LIFE: The Excitement of Biology*, *Journal of Ethology*, *Molecular Ecology Resources*, *Food Webs*, *Journal of Natural History*, *PLOS ONE*, *Caribbean Naturalist*, *Zootaxa*, *Zoological Journal of the Linnean Society*, *USFWS Species Status Assessment*, and more.
- Grant Review: 2022 NSF Reviewer Panel
 2020 National Geographic Society *ad hoc* Reviewer
 2017 NSF DEB *ad hoc* Reviewer
 2014 Sigma Delta Epsilon Graduate Women in Science Fellowship
 2013 E.E. Williams Grant- Society for the Study of Amphibians and Reptiles
- Co-Founder: Caribbean & Latin American Boa Specialist Group

Co-Chair: Caribbean Boa Specialist Group Inaugural Meeting, Arecibo, Puerto Rico, August 1-4, 2013.

INVITED TALKS

- 2022 Western Region Education Service Alliance, Asheville, NC. Keynote Speaker.
- 2022 North Carolina Student Academy of Science, District 8, Asheville, NC. Plenary Speaker.
- 2019 North Carolina Herpetological Society, Raleigh, NC.
- 2019 Invited Symposium Speaker, Third International Conference on Island Ecology, Evolution & Conservation. Université de la Réunion, La Réunion.
- 2019 Departmental Seminar and Workshop. Asheville-Buncombe Technical Community College.
- 2018 Departmental Seminar. Department of Biology, UNC Greensboro.
- 2018 3rd NC Congress of Herpetology, North Carolina Zoological Park, Asheboro, NC.
- 2016 E.D.G.E. Seminar. University of Georgia, Athens, GA.
- 2016 Departmental Seminar. Department of Biology, Mississippi State University, Starkville, M.S.
- 2015 North Carolina Herpetological Society, Raleigh, NC.
- 2015 Departmental Seminar. Department of Biology, University of North Carolina Asheville
- 2013 Departmental Seminar. Department of Biological and Environmental Sciences, University of Tennessee Chattanooga
- 2012 Universidad Interamericana de Puerto Rico, Recinto de Arecibo.
- 2011 Southern Festival of Books, Nashville, TN. With Matthew Niemiller.

CAMPUS AND COMMUNITY TALKS AND WORKSHOPS

- 2022 *Remote Island Exploration and Discovering Species Around the World*. Asheville Rotary Club, Asheville, NC.
- 2022 *The New Era of Human Genomics, CRISPR, and Precision Medicine*. Deerfield Episcopal Retirement Community, Asheville, NC.
- 2022 *Remote Island Exploration and Discovering Reptile Species Around the World*. STEM Seminar. Swain County High School, Bryson City, NC.
- 2022 *What is a Species? Merging Classical Taxonomy and the Frontiers of Genomics to Describe Biodiversity*. Deerfield Episcopal Retirement Community, Asheville, NC.
- 2020 *What Does it Mean to Study Biodiversity?* STEM Seminar. Swain County High School, Bryson City, NC. [virtual]
- 2019 *What Does it Mean to Study the Diversity of Life?* STEM Seminar. Swain County High School, Bryson City, NC.
- 2019 *Salamanders of Rocky Fork State Park*. Wildlife Workshop and Walkabout, Defenders of Wildlife, Asheville, NC.
- 2019 *What Does it Mean to Study the Diversity of Life?* STEM Seminars and Workshop. Madison High School, Marshall, NC.
- 2019 *Salamanders of Western North Carolina* (Field Expedition). Science Day, Carolina Day School, Asheville, NC.

- 2019 *What Does it Mean to Discover Something New?* (Panel Discussion). Science Day, Carolina Day School, Asheville, NC.
- 2019 *Be a Scientist*. Career Day, Carolina Day School, Asheville, NC.
- 2019 *Tortoise and Snakes! Reptile Appreciation Face-to-Face*. Carolina Day School, Asheville, NC.
- 2019 *Saving the Silver Boa*. North Carolina Zoo (Presentation to Senior Staff). Asheboro, NC.
- 2018 *"To the Out Islands!" Reptile Diversity in Remote Corners of the Caribbean*. Departmental Seminar, UNC Asheville.
- 2017 *A Trip Through the Metazoan Tree-of-Life; Animal Diversity (Especially in the Tar Heel State)*. Pints with Profs at Habitat Brewing, Asheville, NC.
- 2016 *The Silver Boa: Discovery of a Remarkable New Species from the Bahamas*. Ramsey Library Special Collections Seminar, UNC Asheville.
- 2016 *Vertebrate Biology in the Caribbean*. University of North Carolina Asheville, New Faculty Seminar Series
- 2015 *Discovery of a Remarkable New Boa from the Caribbean*. Museum of Comparative Zoology, Harvard University
- 2014 *Evolution and Diversification of Boas: Micro to Macro Scale*. Department of Biological Sciences, University of Rhode Island
- 2014 *Evolution and Diversification of Boas: Micro to Macro Scale*. Museum of Comparative Zoology, Harvard University
- 2012 *Ecology, Genetics, and Conservation of Boas in the West Indies*. University of Massachusetts Boston, Biology Departmental Seminar
- 2011 *Islands, Metapopulations, and Archipelagos: Genetic Equilibrium and Non-Equilibrium Dynamics of Structured Populations in the Context of Conservation*. Ph.D. Exit Seminar, EEB Departmental Seminar, Knoxville, Tennessee
- 2010 *Inference of Historical Demography in Simulated Metapopulations*. Annual Sigma Xi Student Competition, Knoxville, Tennessee
- 2010 *Ecology, Genetics, and Conservation of Turks Island Boas*. Graduate Researchers in Ecology and Evolution Departmental Seminar, Knoxville, Tennessee

SELECTED CONTRIBUTED TALKS, SINCE 2012

- 2022 *The West Indian Boas: Seventeen Years of Research*. Joint Meeting of Ichthyologists and Herpetologists, Spokane, WA. [upcoming]
- 2022 *Conception Island National Park: A Jewel of the National Park System*. Bahamas Natural History Virtual Conference, Nassau, Bahamas [upcoming].
- 2021 *Systematics and Evolution of Boas in the West Indies*. Joint Meeting of Ichthyologists and Herpetologists, Phoenix, AZ. [virtual]
- 2021 *Phylogeographic and Phenotypic Outcomes of Brown Anole Colonization Across the Caribbean*. Society for the Study of Evolution Joint Virtual Meeting. [virtual]
- 2020 *Phylogenomics and Historical Biogeography of West Indian Cyclura*. Iguana Specialist Group Virtual Meeting. [virtual]

- 2020 *Conception Island National Park*. Bahamas Natural History Virtual Conference. [virtual]
- 2020 *Systematics and Evolution of Boas in the West Indies*. 4th Standalone Meeting of the Society of Systematic Biologists, Gainesville, FL.
- 2019 *Saving the Silver Boa*. International Union for the Conservation of Nature Conservation Planning Specialist Group Species Survival Workshop (Co-Hosted). Nassau, Bahamas.
- 2019 *Virgin Islands Boa: Phylogenetics and Population Genetics*. Virgin Islands Tree Boa Range-wide Conservation Meeting. St. Thomas, US Virgin Islands.
- 2019 *On the Brink: Saving the Silver Boas of Conception Island*. Association of Zoos & Aquariums Snake Taxon Advisory Group Meeting, Chattanooga, TN,
- 2019 *Updates on Hellbender Research from the Reynolds Lab at UNC Asheville*. North Carolina Giant Salamander Network Meeting, Black Mountain, NC.
- 2018 *Phylogenomics of West Indian Cyclura*. Iguana Specialist Group Meeting, Ft. Worth, TX.
- 2018 *Ecology, Evolution, and Conservation of West Indian Boas*. Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY.
- 2018 *Genetic and Morphometric Diversification in the Brown Anole Suggest Early Pathways of Anole Colonization and Evolution in the Caribbean*. 7th Anolis Symposium, Miami, FL.
- 2018 *To the Out Islands: Reptile Diversity in Remote Corners of the Bahamas Archipelago*. Bahamas Natural History Conference, Nassau, Bahamas.
- 2017 *Diversity, Distribution, and Discovery of West Indian Boas (Chilabothrus)*. Caribbean and Latin American Boid Group Meeting, Cayos Cochinos, Honduras.
- 2016 *Discovery of a Remarkable New Boa from the Caribbean*. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.
- 2016 *Ecological Specialization and Morphological Evolution in West Indian Boas*. Society for the Study of Evolution Joint Meeting, Austin, TX.
- 2016 *Conservation Status of Bahamas Boas*. Bahamas Natural History Conference, Nassau, Bahamas.
- 2015 *Phylogeography of the Lizard Anolis sagrei Across the Caribbean Basin*. Society for Integrative and Comparative Biology, West Palm Beach, FL.
- 2014 *Deterministic Evolution in Greater Antillean Boid Snakes: an Extension of the Caribbean Ecomorph Paradigm?* Society for the Study of Evolution Joint Meeting, Raleigh, NC.
- 2014 *The Boa and Python Tree-of-Life*. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN.
- 2013 *Conservation Genetics of the Puerto Rican Boa*. Caribbean and Latin American Boid Group Meeting, Arecibo, Puerto Rico
- 2013 *A Trip Through the Boa Tree-of-Life*. Caribbean and Latin American Boid Group Meeting, Arecibo, Puerto Rico
- 2013 *The Boa and Python Tree-of-Life*. Society for the Study of Evolution Joint Meeting, Snowbird, UT.
- 2012 *The Reptiles of Tennessee- a New Book from the University of Tennessee Press*. Tennessee Herpetological Society Annual Meeting, UT Martin. With Matthew Niemiller

2012 *Conservation Genetics of West Indian Boas*. 7th World Congress of Herpetology University of British Columbia, Vancouver, Canada.

TEACHING EXPERIENCE

UNC Asheville

BIOL 135 Concepts in Ecology and Evolution (required; 3 credit hours; typical enrollment = 32).

BIOL 210 Principles of Zoology (required; 4 credit hours; typical enrollment = 41).

BIOL 298/398/498 Ind. Research (elective; 3 credit hours; typical enrollment = 2).

BIOL 350 Vertebrate Field Zoology (elective; 4 credit hours; typical enrollment = 14).

BIOL 374 Herpetology (elective; 4 credit hours; typical enrollment = 13).

BIOL 473 Ind. Study: Genetic Data Analysis (elective; 3 credit hours; typical enrollment = 1).

BIOL 480 Senior Seminar (required; 3 credit hours; typical enrollment = 15).

Graduate/Postdoc Teaching Assistant (17 semesters total)

Caribbean Tropical Biology, Puerto Rico Field Course; General Biology Labs (majors and non-majors); Honor's Biodiversity Lab; Biology of Human Affairs; Human Anatomy Lab; Comparative Vertebrate Biology Lab; Animal Behavior; Evolution; Comparative Vertebrate Biology.

MENTORING EXPERIENCE

Doctoral Committee Service: Kevin Aviles-Rodriguez (UMass Boston) 2018–2021

Tomáš Závada (UMass Boston) 2014–2015

M.A. Committee Service: Fabián A. Feliciano-Rivera (UPR Maygüez) 2021–2023

Quynh Quach (UMass Boston) 2016

M.Sc. External Advisor: Inbar Maayan (Ludwig Maximilians Universität München) 2015

UNCA Keeley P., Alyssa V., Molly R., Clair H., Darcy D., Kay T., Megan R., Ally B.; Danielle P.; Maaian E.; Aryeh M.; Emily A.; Amy C.; Shannon B.; Robert C.

Harvard Pavitra M. (PhD student); Wendy J. (PhD student at VU University Amsterdam); Nick H. (PhD student); Tanner S. (undergrad; [Hoopes Prize](#) award) [[poster](#)]

UMB Kristin W., (PhD student) [[poster](#)]; Kevin A-R. (PhD student); Jason F. (undergrad) [[poster](#)]; Kirsten T. (undergrad) [[pdf](#)]; Ellen L. (undergrad); Siedeh R.-K., (undergrad); Kathrin N. (undergrad); Karen K., (undergrad) [[pdf](#)]; Tiara B.-S., (undergrad) [[pdf](#)]; Jillian N. (undergrad at Northeastern Univ.); Sophia P.-I. (REU student) [[poster](#)]

UTK Melissa L. (undergrad); Nell K. (Maryville High School); Cory D. (St. Edwards High School) [[pdf](#)]

INVITED BOOK CONSULTING AND REVIEW

Klepeis, A. 2022. *Rainbow Boas*. *Jump! Inc.* (book consultant and reviewer).

Nye, B. and G. Mone. 2020. Bill Nye's Great Big World of Science. *ABRAMS Books for Young Readers*, NY. (chapter reviewer)

- Simbeck, R. 2020. The Southern Wildlife Watcher: Notes of a Naturalist. *University of South Carolina Press*. (book reviewer).
- Powers, E.A. 2019. Bahamian Boa: A Tabby Tale. Independent publisher. (book consultant and reviewer).
- Currie, D., J.M. Wunderle Jr., E. Freid, D.N. Ewert, and D.J. Lodge. 2019. The Natural History of the Bahamas: A Field Guide. *Comstock Publishing Associates*. (reviewer and photo contributions).

OTHER EXPERIENCE

- 2016 **Specialty Workshop: Tackling Big Data: NGS from Sample Prep to Analysis.** W. Carolina University.
- 2009 **Specialty Workshop Course: Recent Advances in Conservation Genetics.** American Genetics Association and Smithsonian Tropical Research Institute. Gamboa, Panama. Lead Instructor: Stephen J. O'Brien.
- 2008 **Specialty Workshop Course: Conservation and Biodiversity Genetics.** Organization for Tropical Studies. Palo Verde, Costa Rica. Instructors: James Hamrick and John Wares.
- 2003 **Visiting Undergraduate Researcher:** Smithsonian Tropical Research Institute, Bocas del Toro, Panama. 8 weeks.
- 2002 **Organization for Tropical Studies** Costa Rica Semester Abroad.
- 1999–2001 **Tropical Field Research Intern,** IBUNAM Field Station, Chamela-Cuixmala Biosphere Reserve, Jalisco, Mexico.

SELECTED UNC ASHEVILLE SERVICE

- 2020–2022 Chair, UNC Asheville University Research Council
- 2019–2022 Ex Officio Member, UNC Asheville Foundation Board
- 2018–2020 Member, UNC Asheville Ideas to Action Advisory Committee
- 2017–Present Member, UNC Asheville GEAR UP Steering Committee
- 2017–2019 Chair, UNC Asheville Honors and Degree Programs Committee
- 2016–2019 Chair, UNC Asheville University Research Council
- 2016–2017 AVID Mentor
- 2017– Founding Chair, UNC Asheville Biology Scholarship Committee
- 2017– Member, UNCA McCullough Fellowship Faculty Selection Committee
- 2016–2020 Chair, Biology and Environmental Studies Seminar Series

NONPROFIT BOARD SERVICE

- 2021–2022 Chair-Elect, Helpmate Board of Directors, Asheville, NC
- 2021–2024 Vice Chair, Carolina Day School Board of Trustees, Asheville, NC
- 2020–2021 Director, Helpmate Board of Directors, Asheville, NC
- 2019–2021 Trustee, Carolina Day School Board of Trustees, Asheville, NC

OTHER SERVICE & OUTREACH

Director- North Carolina, Watch for Wildlife (2020–Present); NC Science Olympiad (2018); Judge, North Carolina Student Academy of Sciences Competition (2016, 2018); Assistant Coordinator and Judge, Tennessee Science Olympiad (2011); Scientific Judge, U.S. Dept. of Energy Tennessee Science Bowl (2011); Vice President, UTK Graduate Researchers in Ecology, Behavior, and Evolution (2008–10); Departmental Representative to the Graduate Student Senate (2008-10); UTK Kids U! Instructor (2007–11).

IUCN SPECIES SURVIVAL COMMISSION MEMBERSHIPS

2021-Present IUCN SSC Snake Specialist Group

2021-Present Iguana Taxonomy Working Group

2020–Present IUCN SSC Snake and Lizard Red List Authority

2020 IUCN SSC Amphibian Specialist Group Ad Hoc Red List Authority (Bahamas and TCI)

2017–2020 IUCN SSC Anoline Lizard Specialist Group

2016–2021 IUCN SSC Boa & Python Specialist Group Ad Hoc Red List Authority

2015–Present IUCN Caribbean Reptiles Ad Hoc Red List Authority (Bahamas and TCI)

2014–2021 IUCN SSC Boa & Python Specialist Group

CURRENT PROFESSIONAL MEMBERSHIP

Lifetime Member: North Carolina Herpetological Society

Bahamas National Trust

Annual Member: Society for the Study of Evolution

Society for the Study of Amphibians and Reptiles

Society of Island Biology

LANGUAGES

English- Native speaker; Spanish- Conversational speaker, intermediate reader; French- Beginning reader

SELECTED MEDIA COVERAGE

- [Landestoy T. et al. 2021. A new species of boa from the Dominican Republic]. Smithsonian Magazine, Science News, Harvard Museum of Comparative Zoology.
- [Miller et al. 2020. Discovery of a new snake from Vietnam]. Smithsonian Magazine, CNN, The Independent, Southeast Asia Globe.
- [Donihue et al. 2020. Hurricane effects on Neotropical lizards span geographic and phylogenetic scales]. [New York Times](#), CNN, Inside Science, The Miami Herald, Cosmos Magazine, Atlas Obscura, The Weather Channel, Massive Science, SYFY Wire. Journal cover article.
- [Reynolds et al. 2018. Rediscovery and a redescription of the Crooked-Acklins Boa, *Chilabothrus schwartzi* (Buden, 1975), new comb.]. [Asheville Citizen Times](#).

- [Reynolds et al. 2016. Discovery of a remarkable new boa from the Conception Island Bank, Bahamas]. International coverage by >100 media outlets including online, print, television broadcasts, and radio broadcasts. Over 18 million Twitter account engagements.
- [Winchell et al. 2016. Phenotypic shifts in urban areas in the tropical lizard *Anolis cristatellus*]. Coverage in [New Scientist](#), [Recent Paper Decent Puzzle](#), and [IFLScience](#). Journal cover article.
- [Stuart et al. 2014. Rapid evolution of a native species following invasion by a congener]. Coverage in [Washington Post](#), [NY Times](#), [The Scientist Magazine](#), [Harvard Gazette](#), etc.