

VITAE

Richard D. Stevens
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EDUCATION:

1992 B.S. Texas Tech University, Biology
1996 M.S. Texas Tech University, Biology
2002 Ph.D. Texas Tech University, Biology

PROFESSIONAL EXPERIENCE:

2002 to 2004 Postdoctoral Fellow, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara.
2005-2010 Assistant Professor, Department of Biological Sciences, Louisiana State University.
2011- 2013 Adjunct Associate Professor, Department of Biochemistry and Molecular Biology, Mississippi State University, 2011- 2013.
2011-2013 Associate Professor, Department of Biological Sciences, Louisiana State University.
2014 – 2018 Associate Professor, Department of Natural Resources Management, Texas Tech University.
2015 – 2018 Research Associate, Natural Sciences Research Laboratory, Museum of Texas Tech University.
2018 – present Assistant Curator of Mammals, Natural Sciences Research Laboratory, Museum of Texas Tech University.
2018 – present Professor, Department of Natural Resources Management, Texas Tech University.
2018 – present President’s Excellence in Research Professor, Texas Tech University.
2020 – present Graduate Coordinator, Department of Natural Resources Management, Texas Tech University.
2021 – present Curator of Mammals, Natural Sciences Research Laboratory, Museum of Texas Tech University.

INTERNATIONAL EXPERIENCE

1996-1998 Paraguay, doctoral dissertation research on “Comparative Community Ecology of Bats in Atlantic Forest of Paraguay.
2005 – present Continued research on community ecology of bats in Paraguayan Atlantic Forest.
2009 NSF Workshop on Neotropical Secondary Forest Regeneration, 2009. Organized by Robin Chazdon and Mike Willig in Morelia Mexico.
2010 Invited Symposium Address, International Bat Research Conference, Prague, Czech Republic

- 2012 – present Research with Dr. Jairo Perez, Pontifica Xaveriana University, Bogota Colombia. Collaborative research on bat ecology of the Andes.
- 2012 –2020 Research with Dr. Milton Ribeiro, Sao Paulo State University, on community and landscape ecology of bats across the entire Atlantic Forest.
- 2015 Invited Symposium Address, National Workshop on Processes of Fragmentation, Connectivity and Landscape Permeability in Colombia. Bogota, Colombia.
- 2015 Founding member of the Paraguayan Mammal Society.
- 2015 Plenary Address, South American Mammal Society.
- 2015 Plenary Address, Paraguayan Mammal Society.
- 2015 Plenary Address, Brazilian Bat Society.
- 2016 Symposium Organizer on Bat Community Ecology, International Bat Research Conference, Durban, South Africa.
- 2017 IUCN (International Union for the Conservation of Nature) expert panel for mammals of Paraguay, Asuncion, Paraguay.
- 2022 Symposium Organizer on Bat Community Ecology, International Bat Research Conference, Austin Texas.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Society of Mammalogists; 1992 to present.
 Texas Society of Mammalogists; 1992 to present.
 North American Symposium on Bat Research; 1993 to present.
 Southwestern Association of Naturalists, 1993 to present.
 Ecological Society of America; 2000 to present.
 Brazilian Bat Society, 2015 - present
 Paraguayan Mammal Society, 2015 – present (Founding Member).

HONORS AND AWARDS

Wilks Award. Southwestern Association of Naturalists. 1999.
 American Society of Mammalogists Award. American Society of Mammalogists. 2001.
 Bernie E. Rushing Jr., Faculty Outstanding Researcher Award, Texas Tech University, 2018.
 Outstanding Researcher, College of Agricultural Sciences and Natural Resources, TTU, 2018.
 President Elect, Texas Society of Mammalogists, 2017-2018.
 President, Texas Society of Mammalogists, 2018-2019.
 Davis College Research Award, Davis College of Agricultural Science and Natural Resources, TTU, 2022.

AREA OF EXPERTISE

Quantitative Ecology, Community Ecology, Biogeography, Mammalogy, Bat and Rodent Ecology.

PUBLICATIONS (CITATIONS: 7404, H-Factor = 37, According to Google Scholar)

* Denotes graduate student author

^U denotes undergraduate student author

Book Chapters

- 1) B. D. Patterson, M. R. Willig, and R. D. Stevens. 2003. Trophic strategies, niche partitioning, and patterns of ecological organization. Pages 536-579, *in* Kunz, T. H., and M. Brock Fenton, editors. *Bat Ecology*. University of Chicago Press, Chicago Illinois, USA.
- 2) M. R. Willig, B. D. Patterson, and R. D. Stevens. 2003. Patterns of range size, richness, and body size. Pages 580-621, *in* Kunz, T. H., and M. Brock Fenton, editors. *Bat Ecology*. University of Chicago Press, Chicago Illinois, USA.
- 3) M. R. Willig, S. K. Lyons and R. D. Stevens. 2009. Spatial methods for the macroecological study of bats. Pages 216-245 in *Ecological and Behavioral Methods for the Study of Bats*, edited by T. H. Kunz.
- 4) J. S. Tello*, and R. D. Stevens. 2012. Murciélagos, características ambientales y efectos de mitad de dominio (bats, environmental characteristics and mid-domain effects). In: Tirira, D., Burneo, S. and Boada, C. (eds.). *Investigación y conservación de los murciélagos del Ecuador*.
- 5) S. Saldívar, V. Rojas, D. Gimenez, A. M. Abba, R. Ayala, R. Barreto, J. L. Cartes, H. del Castillo, E. Cuellar, N. U. de la Sancha, I. Gamarra de Fox, A. J. Giordano, M. Kowelewski, J. Lopez, V. Martinez, N. Mujica, N. Neris, M. L. Ortiz, F. Ramirez, S. D. Rios, M. Ruiz Diaz, J. Sanchez, P. Smith, R. Stevens, P. Teta, J. J. Thompson, J. Torres, M. Valazquez, M. Velilla, L. Villalba and A. Weiler. 2018. Los mamíferos amenazados del Paraguay. Pp. 27-33. *Asociación Paraguaya de Mastozoología y Secretaría del Ambiente*.
- 6) V. Martínez, I. Gamarra de Fox, R. D. Stevens, M. L. Ortiz N. de la Sancha and M. Ruíz-Díaz. 2018. Chiroptera. En *Libro Rojo de Mamíferos del Paraguay*. Pp.63-77. *Asociación Paraguaya de Mastozoología y Secretaría del Ambiente*.
- 7) J. D. Stuhler*, A. N. Kildow^U and R. D. Stevens. 2019. Ecology of *Platyrrhinus lineatus* in Atlantic Forest of Paraguay: reproductive patterns, activity, seasonality and morphometric variability. *From Field to Laboratory: A Memorial Volume in Honor of Robert J. Baker, Special Publications of the Museum of Texas Tech* 71: 221-238.
- 8) S. L. Beauchamp*, F. B. Stangl Jr., D. J. Schmidly, R. D. Stevens and R. D. Bradley. 2019. Systematic review of Botta's pocket gopher (*Thomomys bottae*) from Texas and Southeastern New Mexico, with description of a new taxon. *From Field to Laboratory: A Memorial Volume in Honor of Robert J. Baker, Special Publications of the Museum of Texas Tech* 71: 512-542.
- 9) E. E. Stukenholtz*, T. A. Hailu, S. Childers, C. Leatherwood, L. Evans, D. Roulain, D. Townsley, M. Treider, R. N. Platt, D. A. Ray, J. C. Zak, and R. D. Stevens. 2019. Ecology of pigeons: population monitoring, resources selection and management practices. *Wildlife Population Monitoring Ebook*.
- 10) R. D. Stevens, de Moraes Weber, M. and Villalobos, F. 2020. Contemporary Biogeography. In: *Phyllostomid bats: A unique mammalian radiation* (T. H. Fleming, L. Davalos and M. M. Mello eds.). University of Chicago Press.
- 11) R. D. Stevens and Estrada-Villegas, S. 2020. Community Ecology. In: *Phyllostomid bats: A unique mammalian radiation* (T. H. Fleming, L. Davalos and M. M. Mello eds.). University of Chicago Press.

Refereed Journal Articles

1. Willig, M. R., R. L. Colbert, R. D. Pettit, and R. D. Stevens. 1993. Response of small mammals to the conversion of a sand shinnery oak woodland into a mixed midgrass prairie. *Texas Journal of Science* 45: 29-43.
2. R. D. Stevens. 1996. Structure of bat communities: alternative models and environmental gradients. *Mastozoologia Neotropical* 3: 199-201.
3. R. D. Stevens, and C. R. Werth. 1999. Interpopulational comparison of dose-mediated antheridiogen response in *Onoclea sensibilis*. *American Fern Journal* 89: 221-231.
4. R. D. Stevens and M. R. Willig. 1999. Size assortment in New World bat communities. *Journal of Mammalogy* 80: 644-658.
5. R. D. Stevens and M. R. Willig. 2000. Community structure, abundance, and morphology. *Oikos* 88: 48-56.
6. R. D. Stevens and M. R. Willig. 2000. Density compensation in New World bat communities. *Oikos* 89: 367-377.
7. R. D. Stevens. 2001. Twinning in the big fruit-eating bat *Artibeus lituratus* (Chiroptera: Phyllostomidae) from Eastern Paraguay. *Zeitschrift für Säugetierkunde* 66: 178-180.
8. R. D. Stevens, and M. R. Willig. 2002. Geographical ecology at the community level: perspectives on the diversity of New World bats. *Ecology* 83: 545-560.
9. M. R. Willig, D. M. Kaufman, and R. D. Stevens. 2003. Latitudinal gradients in biodiversity: pattern, process, scale, and synthesis. *Annual Review of Ecology, Evolution and Systematics* 34: 273-309.
10. R. D. Stevens, S. B. Cox, M. R. Willig, and R. E. Strauss. 2003. Patterns of functional diversity across an extensive environmental gradient: vertebrate consumers, hidden treatments, and latitudinal trends. *Ecology Letters* 6: 1099-1108.
11. R. D. Stevens. 2003. Taxonomic, functional, and phenetic components of biodiversity: perspectives on the community ecology of New World bats. *Mastozoologia Neotropical* 10: 188-190.
12. R. D. Stevens. 2004. Untangling latitudinal richness gradients at higher taxonomic levels: familial perspectives on the diversity of New World bat communities. *Journal of Biogeography* 31: 665-674.
13. D. P. Vazquez and R. D. Stevens. 2004. The latitudinal gradient in niche breadth: concepts and evidence. *American Naturalist* 164: E1-E19.
14. R. D. Stevens, M. R. Willig, and I. Gamarra de Fox. 2004. Comparative community ecology of bats in Eastern Paraguay: taxonomic, ecological, and biogeographic perspectives. *Journal of Mammalogy* 85: 698-707.
15. A. T. Moles, D. I. Warton, R. D. Stevens, and M. Westoby. 2004. Does a latitudinal gradient in seedling survival favour larger seeds in the tropics? *Ecology Letters* 7: 911-914.
16. R. D. Stevens. 2005. Functional morphology meets macroecology: ecological determinants of size and shape distributions of New World bats. *Evolutionary Ecology Research* 7: 837-851.

17. R. D. Stevens, M. R. Willig, and R. E. Strauss. 2006. Latitudinal gradients in the phenetic diversity of New World bat communities. *Oikos* 112: 41-50.
18. S. B. Cox, C. P. Bloch, R. D. Stevens, and L. F. Huenneke. 2006. Productivity and diversity in an arid ecosystem: a long-term perspective. *Plant Ecology* 86: 1-12.
19. R. D. Stevens. 2006. Historical processes enhance patterns of diversity along latitudinal gradients. *Proceedings of the Royal Society* 273: 2283-2289.
20. D. A. Ray, H. J. T. Pagan, M. L. Thompson and R. D. Stevens. 2007. Bats with -*hATs*: evidence for an active DNA transposon in genus *Myotis*. *Molecular Biology and Evolution* 24: 632-639.
21. J. E. Houlahan, Cottenie, K., Cumming, G. S., Currie, D. J., Ernest, S. K. M., Findlay, C. S., Fuhlendorf, S. D., Gaedke, U., Legendre, P., Magnuson, J. J., McArdle, B. H., Muldavin, E. H., Noble, D., Russell, R., Stevens, R. D., Willis, T. J., Woiwod, I. P., Wondzell, S. M. 2007. Compensatory dynamics are rare in natural communities. *Proceedings of the National Academy of Sciences* 104: 3273-3277.
22. R. D. Stevens, C. Lopez-Gonzalez and S. J. Presley. 2007. Geographical ecology of Paraguayan bats: spatial integration and metacommunity structure of interacting assemblages. *Journal of Animal Ecology* 76: 1086-1093 (*Featured in Faculty of 1000 Biology*).
23. R. D. Stevens. 2008. Murcielagos del Paraguay (Book Review). *Journal of Mammalogy* 89: 519.
24. A. Bravo†, K. E. Harms, R. D. Stevens and L. H. Emmons. 2008. Collpas: activity hotspots for frugivorous bats (Phyllostomidae) in the Peruvian Amazon. *Biotropica* 40: 203-210.
25. J. S. Tello†, R. D. Stevens and C. W. Dick. 2008. Patterns of species occurrence and density compensation: a test for interspecific competition in bat ectoparasite infracommunities. *Oikos* 117: 693-702.
26. P. H. Rosso, J. T. Cronin, and R. D. Stevens. 2008. Monitoring the invasion of *Phragmites australis* in coastal marshes of Louisiana, USA, using multisource remote sensing data. *Proceedings of the International Society of Optical Engineering* 7110: 1-9.
27. J. E. Houlahan, Cottenie, K., Cumming, G.S., Currie, D.J., Findlay, C.S., Gaedke, U., Legendre, P., Magnuson, J.J., McArdle, B.H., Stevens, R.D., Woiwod, I.P., Wondzell, S.M. 2008. The utility of covariances: a response to Ranta et al. *Oikos* 117: 1912-1913.
28. R. D. Stevens and J. S. Tello†. 2009. Micro- and macro- habitat associations in Mojave Desert rodent communities. *Journal of Mammalogy* 90: 388-403.
29. S. J. Presley, C. L. Higgins, C. López-González, and R. D. Stevens. 2009. Elements of metacommunity structure of Paraguayan bats: multiple gradients require analysis of multiple axes of variation. *Oecologia* 160: 781-793.
30. R. D. Stevens, Celia Lopez-Gonzalez, Eve McCulluch†, Flavia Netto and Maria Luisa Ortiz. 2010. *Myotis levis* indeed occurs in Paraguay. *Mastozoologia Neotropical* 17: 195-200.
31. J. S. Tello† and R. D. Stevens. 2010. Multiple environmental determinants of species richness: energy, heterogeneity, and seasonality. *Ecography* 33: 796-808.
32. Bloch, C. P., R. D. Stevens and M. R. Willig. 2011. Body size, foraging, and community structure in bats. *Ecography* 34: 460-468.

33. Stevens, R. D. and J. S. Tello*. 2011. Diversity begets diversity: relative roles of structural and resource heterogeneity in determining patterns of community structure. *Journal of Mammalogy* 92: 387-395.
34. Stevens, R. D. 2011. Relative effects of time for speciation and tropical niche conservatism on the latitudinal diversity gradient of phyllostomid bats. *Proceedings of the Royal Society* 278: 2528-2536.
35. McCulloch, E. S.* and R. D. Stevens. 2011. Rapid development and screening of microsatellite loci for *Artibeus lituratus* and their utility for 6 related species within Phyllostomidae. *Molecular Ecology Resources* 11: 903-913.
36. Tello, J. S.* and R. D. Stevens. 2012. Can stochastic simulation models recreate richness environment correlations. *Global Ecology and Biogeography* 21: 213-223.
37. Sagot, M.* and R. D. Stevens. 2012. The evolution of group stability and roost lifespan: perspectives from tent-roosting bats. *Biotropica* 44: 90-97.
38. López-González, C., S. J. Presley, A. Lozano, R. D. Stevens, and C. L. Higgins. 2012. Metacommunity structure of Mexican bats: a test of contemporary paradigms in an area of high geographic and environmental complexity. *Journal of Biogeography*, in Press.
39. Stevens, R. D., M. M. Gavilanez*, J. S. Tello* and D. A. Ray. 2012. Phylogenetic structure illuminates mechanistic effect of environmental heterogeneity on community organization. *Journal of Animal Ecology* 81: 455-462.
40. Stevens, R. D. and H. N. Amarilla-Stevens. 2012. Seasonal environments, episodic density compensation and the dynamics of chiropteran frugivore guilds in Paraguayan Atlantic forest. *Biodiversity and Conservation* 21: 267-279.
41. Meganathan, P. R., H. J. T. Pagan, E.S. McCulloch*, R. D Stevens, D. A. Ray. 2012. Complete mitochondrial genome sequences of three bats species and whole genome mitochondrial analyses reveal patterns of codon bias and lend support to a basal split in Chiroptera. *Gene* 492: 121-129.
42. Pagan, H. J. T., J. Macas, P. Novak, E. S. McCulloch*, R. D. Stevens and D. A. Ray. 2012. Survey sequencing reveals elevated DNA transposon activity, novel elements, and variation in repetitive landscapes among vesper bats. *Genome Biology and Evolution* 4: 575-585.
43. Stevens, R. D. and J. S. Tello*. 2012. Do desert rodents form metacommunities? *Journal of Mammalogy* 93: 1029-1041.
44. Stevens, R. D., J. S. Tello* and M. M. Gavilanez*. 2012. Stronger tests of mid-domain effects on latitudinal gradients of biodiversity: functional, phylogenetic and phenetic perspectives. *PLoS One* 8: e56853.
45. Gavilanez-E., M. M.* and R. D. Stevens. 2012. Role of environmental and historical factors in the structure of Neotropical primate communities: contrasting taxonomic and phylogenetic perspectives. *Global Ecology and Biogeography* 22: 607-619.
46. McCulloch, E. S.*, A. Whitehead, J. S. Tello*, C. M. José Rolon Mendoza, M. Maldonado and R. D. Stevens. 2013. Fragmentation of Atlantic Forest does not yet prevent gene flow of an important seed-dispersing bat. *Molecular Ecology* 22: 4619-4633.
47. Sagot, M.*, B. Rodriguez-Herrera, and R. D. Stevens. 2013. Macro and Microhabitat associations of the Peter's tent-roosting bat (*Uroderma bilobatum*): Human-induced selection and colonization? *Biotropica* 45: 511-519.

48. Stevens, R. D., M. Johnson^U and E. S. McCulloch*. 2013. Absolute and relative secondary-sexual dimorphism in wing morphology: a multivariate test of the “big mother” hypothesis. *Acta Chiropterologica* 15: 163-170.
49. Stevens, R. D. 2013. Gradients of bat diversity in Atlantic Forest of South America: effects of environmental seasonality, sampling effort and spatial autocorrelation. *Biotropica* 45: 764-770.
50. Sagot, M.*, C. D. Phillips, R. D. Stevens and R. J. Baker. 2014. Development and characterization of seventeen microsatellite loci for Peter's tent-making bat (*Uroderma bilobatum*). *Conservation Genetics Resources* 6: 87-89.
51. Lopez-Gonzalez, C., S. J. Presley, A. Lozano*, R. D. Stevens and C. L. Higgins. 2015. Ecological biogeography of Mexican bats: the relative contributions of habitat heterogeneity, beta diversity, and environmental gradients to species richness and composition patterns. *Ecography* 38: 261-272.
52. Stevens, R. D. and J. S. Tello. 2014. On the measurement of dimensionality of biodiversity. *Global Ecology and Biogeography* 23: 1115-1125.
53. Weber, M. M.*, R. D. Stevens, M. L. Lorini and C. E. V. Grelle. 2014. Have old species reached most environmentally suitable areas? A case study with South American phyllostomid bats. *Global Ecology and Biogeography* 23: 1177-1185.
54. Patrick, L. E.*, and R. D. Stevens. 2014. Investigating sensitivity of phylogenetic community structure metrics using North American desert bats. *Journal of Mammalogy* 95: 1240-1253.
55. Stevens, R. D. and M. M. Gavilanez*. 2015. Dimensionality of community structure: phylogenetic, phenetic and functional perspectives along biodiversity and environmental gradients. *Ecography* 38: 861-865.
56. Platt, R. N. II, Y. Zhang, D. J. Witherspoon, J. Xing, M. S. Keith, L. B. Jorde, R. D. Stevens and D. A. Ray. 2015. Targeted capture of phylogenetically informative Ves SINE insertions in genus *Myotis*. *Genome Biology and Evolution* 7: 1664-1675.
57. Stevens, R. D. and R. N. Platt. 2015. Patterns of secondary sexual size dimorphism in New World *Myotis* and a test of Rensch's Rule. *Journal of Mammalogy* 96: 1128-1134.
58. Ray, D. A., H. J. T. Pagan, R. N. Platt, S. Schaack and R. D. Stevens. 2015. Differential SINE evolution in vesper and non-vesper bats. *Mobile DNA* 6: 1-10.
59. Stevens, R. D. 2015. A mammalian species new to the fauna of Louisiana. *Southwestern Naturalist* 60: 389-390.
60. Patrick, L. E.* and R. D. Stevens. 2016. Phylogenetic community structure of North American desert bats: influence of environment at multiple spatial and taxonomic scales. *Journal of Animal Ecology* 85: 1118-1130.
61. Stevens, R. D., M. Johnson^U and E. S. McCulloch*. 2016. Geographic variation of wing morphology of *Artibeus lituratus*: environmental, genetic and spatial correlates of phenotypic differences. *Biological Journal of the Linnean Society* 118: 734-744.
62. Muylaert, R. L.*, R. D. Stevens and M. C. Ribeiro. 2016. Threshold effect of habitat loss on bat richness in savanna-forest landscapes. *Ecological Applications* 26: 1854-867.
63. Aguirre, L. A., F. Montano*, M. M. Gavilanez and R. D. Stevens. 2016. Taxonomic and phylogenetic determinants of functional composition of Bolivian bat assemblages. *PLoS One* 11: E0158170.

64. Garcia, C. J.*, J. Q. Francis, C. Rios-Blanco*, J. D. Stuhler*, G. D. Langlois*, E. E. Bohlender*, M. A. Madden, C. D. Dunn, R. D. Bradley and R. D. Stevens. 2016. New distributional records of mammals in Texas. *Occasional Papers of the Museum of Texas Tech University* 343: 1-6.
65. Duncan, N. P.*, S. S. Kahl, C. J. Salice, R. D. Stevens and S. S. Gray. 2016. Pronghorn Habitat Suitability in the Texas Panhandle. *Journal of Wildlife Management* 80: 1471-1478.
66. Sagot, M*, C. D. Phillips, R. J. Baker and R. D. Stevens. 2016. Human-modified habitats change patterns of population genetic structure and group cohesion in Peter's tent-roosting bats. *Ecology and Evolution* 6: 6050-6063.
67. Sikes R. S. and the Animal Care and Use Committee of the American Society of Mammalogists. 2016. 2016 Guidelines of the American Society of Mammalogists for the use of wild mammals in research and education. *Journal of Mammalogy* 97: 663-688.
68. Weber, M. M., R. D. Stevens, J. A. F. Diniz-Filho and C. E. V. Grelle. 2017. Is there correlation between abundance and environmental suitability derived from ecological niche modeling? A meta-analysis. *Ecography* 40: 817-828.
69. Martin, C. M.*, E. B. Arnett, R. D. Stevens, and M. C. Wallace. 2017. Reducing bat fatalities at wind facilities while improving economic efficiency of operation mitigation. *Journal of Mammalogy*, 98: 378-385.
70. J. Yeong-Seok*, R. D. Stevens and J. T. Baccus. 2017. Peninsula effect and species richness gradient in terrestrial mammals on the Korean Peninsula and other peninsulas. *Mammal Review*: 47: 266-276.
71. D. J. Schmidly, R. D. Bradley, L. C. Bradley and R. D. Stevens. 2017. A timeline of significant events in the development of North American Mammalogy. *Special Publications of the Museum of Texas Tech University* 66: 1-37.
72. R. D. Stevens, C. J. Garcia*, E. Bohlender* and B. Gregory. 2017. Distributional update for bats of Louisiana. *Occasional Papers of the Museum of Texas Tech* 348: 1-12.
73. R. N. Platt II, B. C. Faircloth, K. A. M. Sullivan, T. Kerian, T. C. Glenn, M. W. Vandewege, T. E. Lee, R. J. Baker, R. D. Stevens, D. A. Ray. 2017. Conflicting evolutionary histories of the mitochondrial and nuclear genomes in New World *Myotis*. *Systematic Biology* 67: 236-249.
74. R. L. Muylaert*, R. D. Stevens, C. E. L. Esbérard, M. A. R. Mello, G. S. T. Garbino, L. H. Varzinczak, D. Faria, M. M. Weber, P. K. Rogeri, A. L. Regolin, H. F. Magalhães de Oliveira, L. Moraes Costa, M. A. S. Barros, G. Sabino-Santos Jr, M. A. Crepaldi de Moraes, V. S. Kavagutti, F. C. Passos, E.-L. Marjakangas, F. G. Motta Maia, M. C. Ribeiro and M. Galetti. 2018. ATLANTIC BATS: a dataset of bat communities from the Atlantic Forests of South America. *Ecology* 98: 3227.
75. E. E. Bohlender*, N. Borray-Escalante*, J. Perez-Torres and R. D. Stevens. 2018. Dietary variation during reproduction in Seba's short-tailed fruit bat. *Journal of Mammalogy* 99: 440-449.
76. M. K. Halsey*, J. D. Stuhler*, M. A. Madden*, E. E. Bohlender*, S. C. Brothers^U, A. Kildow^U, S. C. de la Piedra*, C. J. Garcia*, D. S. Camp, C. Rios-Blanco and R. D. Stevens. 2018. New Distributional Records of Mammals in Texas: Orders Carnivora,

- Chiroptera and Rodentia. Occasional Papers of the Museum of Texas Tech University 354: 1-6.
77. K. Airdi-Wood*, M. E. Torres, M. B. Barreto, A. Weiler, G. Gonzalez de Weston, G. Zarate y R. D. Stevens. 2018. Quiropteros del campus de la Universidad Nacional de Asuncion Paraguay. Boletin del Museo Nacional de Historia Nacional del Paraguay 22: 45-56.
 78. E. E. Bohlender*, Perez-Torres, J. and R. D. Stevens. 2018. Variation in vaginal cytology, progesterone and estrogen metabolites of Seba's short-tailed fruit bat (*Carollia perspicillata*) during the estrous cycle and gestation. Mastozoologia Neotropical 25: 151-162.
 79. R. D. Stevens and J. Sebastian Tello. 2018. A latitudinal gradient in dimensionality of biodiversity. Ecography 41: 2016-2026.
 80. R. D. Stevens, R. J. Rowe, and C. Badgley. 2018. Gradients of mammalian diversity through space and time. Journal of Mammalogy 100: 1069-1086.
 81. J. E. Houlahan, K. Cottenie, G. S. Cumming, D. J. Currie, C. S. Findlay, S. D. Fuhlendorf, U. Gaedke, P. Legendre, E. H. Muldavin, R. Russell, R. D. Stevens, T. J. Willis, I. P. Woiwod and S. M. Wondzell. 2018. Negative relationships between species richness and temporal variability in abundance are common in natural systems. Ecology 99: 2592-2604.
 82. D. Castillo-Figueroa^U, E. E. Bohlender*, J. Perez-Torres and R. D. Stevens. 2018. Observation of adoption in Seba's short-tailed bat (*Carollia perspicillata*). Neotropical Biology and Conservation 13: 347-349.
 83. D. A. Ray, J. R. Grimshaw*, M. K. Halsey*, J. M. Korstian*, A. B. Osmanski*, K. A. M. Sullivan*, K. A. Wolf, H. Reddy, N. Foley, R. D. Stevens, B. Knisbacher, O. Levy, B. Counterman, N. B. Edelman and J. Mallet. Simultaneous TE analysis of 19 heliconiine butterflies yields novel insights into rapid TE-based genome diversification and multiple SINE births and deaths. Genome Biology and Evolution, In Press.
 84. M. A. M. Mello, G. M. F. Felix, R. B. P. Pineiro, R. L. Muyleart*, C. Geiselmann, S. Santana, M. Tschapka, N. Lofti, R. A. Rodrigues and R. D. Stevens. 2019. Interactions between interactions in a continent-wide multilayer network. Nature Ecology and Evolution 1-8.
 85. D. A. Limon^U, C. J. Garcia*, B. B. Gregory, R. D. Stevens, M. A. Barnes. 2019. The status of *Pseudogymnoascus destructans* in Louisiana. Southwestern Naturalist 63: 216-219.
 86. E. L. Marjakangas*, N. Abrego, V. Grotan, R.A.F. de Lima, C. Bello, R. S. Bovendorp, L. Culot, E. Hasui, F. Lima, R. A. Muylaert*, B. B. Niebuhr, A. A. Oliveira, L. A. Pereira, P. I. Prado, R. D. Stevens, M. H. Vancine, M. C. Rieiro, M. Galetti and O. Ovaskainen. 2020. Fragmented tropical forests lose mutualistic plant-animal interactions. Diversity and Distributions 26: 154-168.
 87. A. Ghosh*, M. G. Johnson, A. B. Osmanski*, T. C. Glenn, S. Louha, N. J. Bayona, J. Gongora, R. E. Green, S. Isberg, R. D. Stevens and D. A. Ray. 2020. A high-quality reference genome assembly of the saltwater crocodile, *Crocodylus porosus*, reveals patterns of selection in Crocodylidae. Genome Biology and Evolution, In Press.
 88. M. A. Turcios-Casco*, H. D. Avila-Palma, R. Laval, R. D. Stevens, J. A. Soler-Orellano, E. J. Ordonez Trejo, D. I. Ordonez Mazier. 2020. A systematic revision of

- bats (Chiroptera) of Honduras: an updated checklist with corroboration of historical specimens and new records. *Zoosystematics and Evolution* 96: 411-429.
89. R. D. Bradley, L. C. Bradley, K. MacDonald, H. N. Stevens* and R. D. Stevens. 2020. Nomenclatural, curatorial, and archival best practices for symbiotypes and other type materials in natural history collections. *Occasional Papers of the Museum of Texas Tech University* 366: 1-17.
 90. R. D. Stevens, C. J. Garcia*, M. A. Madden*, B. B. Gregory and R. W. Perry. 2020. Seasonality of the bat community of the Kisatchie National Forest, Louisiana. *Southeastern Naturalist*, 19: 524-536.
 91. R. D. Stevens and J. Grimshaw*. 2020. Relative effects of ecological drift and selection on structure of an Atlantic Forest bat community. *Oecologia* 193: 645-654.
 92. R. D. Stevens. 2020. Editor's choice. *Journal of Mammalogy*, In Press.
 93. R. D. Stevens and J. D. Stuhler* and J. R. Grimshaw*. 2020. Chiropteran metacommunity structure in Atlantic Forest of South America. *Journal of Biogeography* 47: 2141-2155.
 94. B. A. Foraker*, D. A. Gredell*, J. F. Legako, R. D. Stevens, J. D. Tatum*, K. E. Belk* and D. R. Woerner. 2020. Flavor, tenderness, and related chemical changes of aged beef strip loins. *Meat and Muscle Biology* 4: 1.
 95. M. A. Krishnamoorthy*, C. J. Garcia*, E. E. Guest^U, M. K. Halsey*, J. Parlos, T. J. Soniat*, J. D. Stuhler*, E. E. Stukenholtz*, S. C. Verla*, B. Andersen*, J. R. Grimshaw*, L. L. Lindsey*, R. W. Manning, R. Martin, R. M. Pitts, C. A. Rickert^U, C. Rios-Blanco*, H. G. Wilson*, R. D. Bradley and R. D. Stevens. 2021. New county records for 21 species across Texas from Orders Cingulata, Carnivora, Chiroptera, Rodentia and Sociomorpha. *Occasional Papers of the Museum of Texas Tech University* 372: 1-11.
 96. R. D. Stevens and H. N. Amarilla Stevens. 2021. Dietary patterns of phyllostomid bats in interior Atlantic Forest of eastern Paraguay. *Journal of Mammalogy* 102: 685-694.
 97. M. K. Halsey*, J. D. Stuhler*, R. N. Platt II, D. A. Ray and R. D. Stevens. 2021. Cheeky business: comparing DNA yield of whisker and buccal samples for minimally invasive mammalian genetic research. *Occasional Papers of the Museum of Texas Tech University* 374: 1-9.
 98. T. J. Soniat*, H. Sihaloho, R. D. Stevens, T. D. Little C. D. Phillips, and R. D. Bradley. 2021. Temporal-dependent effects of DNA degradation on frozen tissues archived at -80°C. *Journal of Mammalogy* 102: 375-383.
 99. B. A. Kohli*, R. D. Stevens, E. A. Rickart and R. J. Rowe. 2021. Mammals on mountainsides revisited: functional and phylogenetic diversity reveal complex assembly processes. *Journal of Biogeography* 48: 1606-1621.
 100. R. D. Stevens, C. J. Garcia*, E. E. Guest^U, A. Hargrove^U, M. A. Krishnamoorthy*, C. F. Rickert^U, E. M. Sanchez^U, C. A. Triplett^U, H. Wilson* and S. J. Robertson. 2021. Seasonality of use of bridges as day-roosts by bats in the Trans-Pecos of Texas. *Therya* 12: 207.
 101. J. C. Perkins*. K. P. Jefferson*, M. H. Hamilton*, R. C. Dowler and R. D. Stevens. 2021. Effect of seasonality and bait type on Plains spotted skunk capture efficacy and sex ratio. *Southeastern Naturalist* 20: 241-251

102. M. Volleth, F. A. A. Khan, S. Müller, D. A. Ray, R. J. Baker, D. Arenas, V. Trifonov, T. Liehr, K.-G. Heller, R. D. Stevens and C. G. S. Caio. 2021. Cytogenetic investigations in Bornean Rhinolophoidea revealed cryptic diversity in *R. sedulus* entailing classification of Peninsular Malaysia specimens as a new species. *Acta Chiropterologica* 23: 1-20.
103. N. U. de la Sancha, S. Boyle, N. E. McIntyre, D. Brooks, A. Yanosky, E. Cuellar, F. Mereles, and R. D. Stevens. 2021. The disappearing Dry Chaco, one of the last dry forest systems on earth. *Landscape Ecology* 36: 2997-3012.
104. J. R. Grimshaw*, D. A. Ray and R. D. Stevens. 2021. Ecological niche models for bats of greatest conservation need in Louisiana. *Occasional Papers of the Museum of Texas Tech University* 378: 1-15.
105. M. A. Turcios-Casco, C. de Sales Dambros, G. Franzoi Dri, N. Caceres, R. D. Stevens and R. Cazzolla Gatti. 2021. Ecological gradients explain variation of phyllostomid bat (Chiroptera: Phyllostomidae) diversity in Honduras. *Mammalian Biology* 101: 949-961.
106. N. Y. O. Kus*i, K. L. Lewis, G. D. Morgan, G. L. Ritchie, S. K. Deb, R. D. Stevens and H. Y. Santim. 2021. Cotton cultivar response to potassium fertilizer application in Texas' southern high plains. *Agronomy Journal* 113: 5436-5453.
107. R. D. Stevens. 2022. Dietary affinities, resource overlap and core structure of Atlantic Forest phyllostomid bat communities. *Mammal Review* 52: 177-191.
108. R. D. Stevens. 2022. Reflections of Grinnellian and Eltonian niches on the distribution of phyllostomid bats in Atlantic Forest of South America. *Journal of Biogeography* 49: 94-103.
109. J. R. Grimshaw*, R. D. Stevens and D. A. Ray. 2022. Landscape patterns of genetic diversity of bat species of greatest conservation need in Louisiana. *Occasional Papers of the Museum of Texas Tech University* 380: 1-12.
110. G. L. Florez-Montero, R. L. Muylaert, M. R. Norgueira, C. Geiselman, S. E. Santana, R. D. Stevens, M. Tschapka, R. A. Rodriguez and M. A. R. Mello. 2022. NeoBat Interactions: a data set of bat-plant interaction in the Neotropics. *Ecology* E360.
111. B. S. Avirineni, A. Singh, R. C. Zapata, R. D. Stevens, C. D. Phillips and P. K. Chelikani. 2022. Diets containing egg or whey protein and inulin fiber improve energy balance, body composition and modulate gut microbiota in exercising obese rats. *Resubmitted to Molecular Nutrition and Food Research* 66: 2100653.
112. R. D. Stevens. 2022. Broad-scale gradients of resource utilization by phyllostomid bats in Atlantic Forest: patterns of dietary overlap, turnover and the efficacy of ecomorphological approaches. *Oecologia* 198: 785-799.
113. J. M. Korstian*, N. Paulat*, R. N. Platt, R. D. Stevens and D. A. Ray. 2022. SINE-based phylogenomics reveals extensive introgression and incomplete lineage sorting in *Myotis*. *Genes* 13: 399.
114. S. Estrada-Villegas, J. Pérez-Torres, B. J. McGill and Richard D. Stevens. 2022. Environmental seasonality regulates community evenness in Neotropical bat communities. *Frontiers in Ecology and Evolution*: 10:839384.
115. G. D. Langlois*, R. D. Cox, P. S. Gipson and R. D. Stevens. 2022. The North American beaver (*Castor canadensis*) is recolonizing the Llano Estacado. *Western North American Naturalist* 82: 190-195.

116. E. E. Stukenholtz*, T. A. Hailu, S. Childers, C. Leatherwood, L. Evans, D. Roulain, D. Townsley, M. Treider, R. Neal Platt II, S. R. Fritts, D. A. Ray, J. C. Zak and R. D. Stevens. 2022. A pigeon's eye view of a college campus. *Southwestern Naturalist* 66: 13-24
117. B. A. Andersen*, L. M. McGuire, T. B. Wigley, D. E. Miller, and R. D. Stevens. 2022. Spatial activity patterns of overwintering bats in managed pine forest landscapes. *Forests* 13: 803.

PRESENTATIONS AND LECTURES

Invited

- 1) 2003. Departmental Seminar, Dynamics of community structure through space and time: from seasonal differences to latitudinal gradients. National Center for Ecological Analysis and Synthesis, California.
- 2) 2004. Departmental Seminar, Taxonomic, functional, and phylogenetic perspectives on latitudinal gradients of biodiversity. Louisiana State University.
- 3) 2004. Departmental Seminar, Taxonomic, functional, and phylogenetic perspectives on latitudinal gradients of biodiversity. University of New Mexico.
- 4) 2004. Departmental Seminar, Toward a better understanding of latitudinal gradients in biodiversity: richness patterns, phylogenetic scale-dependence, and centers of origin. University of New Mexico.
- 5) 2004. Invited Symposium, Centers of origin and the biotic diversification of New World leaf-nosed bats (Phyllostomidae) along latitudinal gradients. Symposium on Phylogenetic Approaches to Understanding Bat Biodiversity at the North American Symposium on Bat Research, Utah.
- 6) 2008. Invited Symposium, Monitoring the invasion of *Phragmites australis* in coastal marshes of Louisiana, USA, using multi-source remote sensing data. SPIE Europe Remote Sensing Conference, Cardiff, Wales, UK.
- 7) 2009. Distinguishing effects of competing historical processes on latitudinal gradients of diversity. University of Toronto Scarborough.
- 8) 2009. Future directions. University of Toronto Scarborough.
- 9) 2010. Departmental Seminar, Distinguishing effects of competing historical processes on latitudinal gradients of diversity. Smithsonian Institution, National Zoological Park.
- 10) 2010. Invited Symposium, Stronger tests of mid-domain effects on latitudinal gradients of biodiversity of New World bats. 15th International Bat Research Conference, Prague, Czech Republic.
- 11) 2011. Invited Symposium, Stronger tests of mid-domain effects on latitudinal gradients of biodiversity of New World bats. Symposium on New Ecological and Evolutionary Perspectives in Mammalian Biogeography, American Society of Mammalogists Annual Meeting, Portland, OR.
- 12) 2011. Departmental Seminar, Ecological and evolutionary perspectives on biodiversity gradients of New World bats. Department of Biology, Western Kentucky University.
- 13) 2011. Departmental Seminar, Multiple dimensions of biodiversity provide more robust insights into latitudinal gradients of New World bats. Department of Biology, East Carolina University.

- 14) 2012. Departmental Seminar, Comparative community ecology of Mojave Desert rodents: phylogenetic structure, spatio-environmental gradients and metacommunity dynamics. Department of Plant and Wildlife Sciences, Brigham Young University.
- 15) 2013. Departmental Seminar, Comparative community ecology of Mojave Desert rodents: phylogenetic structure, spatio-environmental gradients and metacommunity dynamics. Department of Biological Sciences, Southeastern Louisiana University.
- 16) 2013. Plenary Address, Comparative community ecology of Mojave Desert rodents: phylogenetic structure, spatio-environmental gradients and metacommunity dynamics. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
- 17) 2015. Departmental Seminar, Spatial ecology of mammals from communities to the biosphere: metacommunity dynamics, dimensions of biodiversity and conservation implications. Texas State University
- 18) 2015. Plenary Address, Relative effects of regional climate and local habitat fragmentation on bat species richness and composition in Atlantic Forest of South America. Paraguayan Society of Mammalogists, Asuncion, Paraguay.
- 19) 2015. Plenary Address, Relative effects of regional climate and local habitat fragmentation on bat species richness and composition in Atlantic Forest of Brazil. Brazilian Society for the Study of Bats, Ouro Preto, Brazil.
- 20) 2015. Departmental Seminar, Graduate Program, Universidad Pontificia Javeriana, Spatial ecology of mammals from communities to the biosphere: metacommunity dynamics, dimensions of biodiversity and conservation implications, Bogota Colombia.
- 21) 2015. Invited Symposium, National Workshop on Processes of Fragmentation, Connectivity and Landscape Permeability in Colombia, Relative contributions of local habitat fragmentation and regional climate on bat species richness and composition in Atlantic Forest of Brazil, Bogota, Colombia.
- 22) 2015. Plenary Address, Latin American Mammalogy Congress, Relative contributions of local habitat fragmentation and regional climate on bat species richness and composition in Atlantic Forest of Brazil, Bogota Colombia.
- 23) 2016. Departmental Seminar, Spatial ecology of mammals from communities to the biosphere: metacommunity dynamics, dimensions of biodiversity and conservation implications, Department of Wildlife and Conservation Biology, University of New Hampshire, Durham, New Hampshire.
- 24) 2016. Invited Symposium, International Bat Research Congress, Multidimensional diversity-area relationships of bats on islands of the Caribbean Sea, Durban, South Africa.
- 25) 2017. Departmental Seminar, Complex gradients of covariation across multiple dimensions of biodiversity. Department of Biological Sciences, Portland State University, Portland Oregon.
- 26) 2018. Plenary Address, A latitudinal gradient in dimensionality of biodiversity. Asociacion de Mastozoologos del Peru, Cuzco, Peru.
- 27) 2019. Departmental Seminar, Complex gradients of covariation across multiple dimensions of biodiversity. Department of Biological Sciences, Texas Tech University, Lubbock, TX.
- 28) 2020. Departmental Seminar, Complex gradients of covariation across multiple dimensions of biodiversity. Department of BioSciences, Rice University, Houston, TX.

29) 2020. Departmental Seminar, A latitudinal gradient in dimensionality of biodiversity. Department of Biology, Pontificia Universidad Javeriana, Bogota, Colombia.

Conference Presentations

* Denotes graduate student author

^U denotes undergraduate author

1. **R. D. Stevens**, M. R. Willig, and J. A. Back. 1991. Habitat selection and population dynamics of *Ranatra nigra* in central Texas. Annual Meeting of the Entomological Society of America, Nevada.
2. **R. D. Stevens**, and C. R. Werth. 1991. Dose response of *Onoclea sensibilis* to the pheromone antheridiogen. Annual Meeting of the AAAS Southwestern and Rocky Mountain Division, Texas.
3. **R. D. Stevens**, and C. R. Werth. 1992. Comparison of response to the pheromone antheridiogen among populations of *Onoclea sensibilis*. Annual Meeting of the Association of Southeastern Biologists, Alabama.
4. **R. D. Stevens**, and C. R. Werth. 1993. Interpopulational comparisons of antheridiogen response in gametophytes of sensitive fern, *Onoclea sensibilis*. Annual Meeting of the American Botanical Society.
5. **R. D. Stevens**, M. R. Willig, and J. A. Back. 1993. Habitat associations and population dynamics of *Ranatra nigra* (Hemiptera: Nepidae) in a central Texas Stream. Annual Meeting of the Southwestern Association of Naturalists, Texas.
6. **R. D. Stevens**, M. R. Willig, and E. M. Jones. 1993. A morphometric assessment of sexual dimorphism in aerodynamic characters of bats from northeast Brazil. Annual Meeting of the American Society of Mammalogist, Washington.
7. M. R. Willig, **R. D. Stevens**, and A. B. Shaner. 1993. The relationship between morphological structure and species density: a simulation model with application to tropical bat communities. Annual Meeting of the American Society of Mammalogists, Washington.
8. **R. D. Stevens**, M. R. Willig, and A. B. Shaner. 1994. Interspecific competition and the structure of Latin American bat communities. Annual meeting of the Southwestern Association of Naturalists, Kansas.
9. **R. D. Stevens**, M. R. Willig, and A. B. Shaner. 1994. The intensity and ubiquity of competition: a quantitative assessment of Latin American bat communities. Annual meeting of the American Society of Mammalogists, Washington, D.C.
10. M. R. Gannon, **R. D. Stevens**, and M. R. Willig. 1994. The current status of *Stenoderma rufum*, the red fig-eating bat, on the island of Puerto Rico. Annual North American Symposium on Bat Research, Ixtapa, Mexico.
11. **R. D. Stevens**, M. R. Willig, and A. B. Shaner. 1994. Patterns in abundance as measures of deterministic community structure: an evaluation of Latin American bat communities. Annual North American Symposium on Bat Research, Ixtapa, Mexico.
12. **R. D. Stevens**, and M. R. Willig. 1995. Gradients in the structure of bat communities: temperature, precipitation, productivity, and latitude. Annual meeting of the American Society of Mammalogists, Vermont.

13. Willig, M. R., S. K. Lyons, and **R. D. Stevens**. 1995. Ecological filters and biogeographic determinants of species richness: a quantitative approach and empirical evaluation for New World bat communities. Annual meeting of the American Society of Mammalogists, Vermont.
14. **R. D. Stevens**, and M. R. Willig. 1996. Frugivorous bats, environmental variability, and community organization. Annual meeting of the Southwestern Association of Naturalists, Texas.
15. **R. D. Stevens**, and M. R. Willig. 1999. Tropical bats, subtropical communities, and biogeographic interfaces: seasonal variation in the structure of a guild of frugivores. Annual meeting of the Southwestern Association of Naturalists, Monterrey.
16. **R. D. Stevens**, M. R. Willig, and R. E. Strauss. 1999. Life on the biogeographic edge: tropical bats, subtropical communities and seasonal dynamics. Annual meeting of the American Society of Mammalogists, Washington.
17. **R. D. Stevens**. 2000. Functional determinants of macroecological patterns of New World bats: a preliminary analysis. Annual meeting of the American Society of Mammalogists, New Hampshire.
18. **R. D. Stevens**. 2001. Taxonomic and environmental determinants of morphological diversity gradients: an analysis of New World bat communities. Annual meeting of the American Society of Mammalogists, Montana.
19. M. R. Willig and **Stevens, R. D.** 2001. Geographical ecology at the community level: perspectives on the diversity of New World bats. Annual meeting of the American Society of Mammalogists, Montana.
20. **R. D. Stevens**. 2001. Site-specific and Cross-Site Analyses for Grasslands and Deserts. KNB Biocomplexity and Ecoinformatics Workshop. Annual Meeting of the Ecological Society of America, Wisconsin.
21. **R. D. Stevens**. 2001. Taxonomic and environmental determinants of morphological diversity gradients: an analysis of New World bat communities. Annual Meeting of the Ecological Society of America, Wisconsin.
22. S. K. M. Ernest, **R. D. Stevens**, M. R. Willig, and J. H. Brown. 2002. Energy flow through body size classes in mammalian communities. Annual Meeting of the Ecological Society of America, Arizona.
23. S. K. M. Ernest, **R. D. Stevens**, M. R. Willig, and J. H. Brown. 2002. Energy flow through body size classes in mammalian communities. British Ecological Society Symposium on Macroecology, Birmingham.
24. **R. D. Stevens**. 2002. Taxonomic and functional components of latitudinal gradients in biodiversity of New World bats. Annual Meeting of the American Society of Mammalogists, Louisiana.
25. **R. D. Stevens**. 2003. Latitudinal gradients in the phylogenetic diversity of New World bat communities. Annual Meeting of the American Society of Mammalogists, Texas.
26. **R. D. Stevens**. 2003. Latitudinal gradients in the phylogenetic diversity of New World bat communities. Annual Meeting of the Ecological Society of America, Georgia.
27. **R. D. Stevens**. 2003. Seasonal environments, dynamic density compensation and the structure of subtropical frugivore guilds. North American Symposium on Bat Research, Nebraska.

28. **R. D. Stevens**. 2004. Centers of origin and the biotic diversification of New World leaf-nosed bats (Phyllostomidae) along latitudinal gradients. Annual Meeting of the American Society of Mammalogists, California.
29. **R. D. Stevens**, C. Lopez-Gonzalez, and S.J. Presley. 2005. The relative contributions of environmental and contagious spatial structure in determining species composition of Paraguayan bat assemblages. North American Symposium on Bat Research, California.
30. Ernest, M., U. Gaedke, E. Muldavin, **R. Stevens**, T. Willis, I. Woiwod. 2005. The temporal dynamics of community structure. Ecological Society of America, Canada.
31. Cottenie, K., S. K. M. Ernest, **R. D. Stevens** and S. Fuhlendorf. 2005. Temporal metacommunity dynamics of annual desert plant communities: Dispersal through time. Ecological Society of America, Canada.
32. C. P. Bloch, M. R. Willig, & **R. D. Stevens**. 2005. Body size, foraging, and community structure in bats and rodents. Annual Meeting of the American Society of Mammalogists, Missouri.
33. **R. D. Stevens** and C. Lopez-Gonzalez. 2005. The relative contributions of environmental and contagious spatial structure in determining species composition of Paraguayan bat assemblages. Annual Meeting of the American Society of Mammalogists, Missouri.
34. M. Sagot*, D. Jimenez and **R. Stevens**. 2005. Special observations on the social behavior of the Honduran white bat, *Ectophylla alba*. North American Symposium on Bat Research, California.
35. **R. D. Stevens**. 2006. Historical processes enhance patterns of diversity along latitudinal gradients. Annual Meeting of the Ecological Society of America, Tennessee.
36. J. S. Tello* and **R. D. Stevens**. 2006. Structure of a desert rodent metacommunity: local environment vs. regional dispersal. Annual Meeting of the American Society of Mammalogists, Massachusetts.
37. **R. D. Stevens** and J. S. Tello*. 2006. Quantitative habitat characteristics of rodents in the eastern Mojave Desert underlie spatial variation in community structure. Annual Meeting of the American Society of Mammalogists, Massachusetts.
38. **R. D. Stevens** and J. S. Tello*. 2007. Integrating biotic interactions into the empirical examination of metacommunity structure. Annual Meeting of the American Society of Mammalogists, Albuquerque, New Mexico.
39. J. S. Tello* and **R. D. Stevens** and C. W. Dick. 2007. A test for interspecific competition in bat ectoparasites: patterns of species co-occurrence and density compensation. Annual Meeting of the American Society of Mammalogists, Albuquerque, New Mexico.
40. Maria Sagot* and **R. D. Stevens**. 2007. Better houses, better girls: on the divergence of mating systems in tent-making bats. Annual Meeting of the American Society of Mammalogists, Albuquerque, New Mexico.
41. Maria Sagot* and **R. D. Stevens**. 2007. A correlated evolution between mating systems and roosts in tent roosting bats. International Bat Research Conference and North American Symposium on Bat Research Joint Meeting. Merida, Mexico.

42. J. S. Tello* and **R. D. Stevens**. 2008. Energy, heterogeneity, seasonality, and scale: the species-environment relationship in New World bats. Ecological Society of America, Milwaukee WI.
43. M. Sagot*, **R. D. Stevens** and B. Rodriguez-H. 2008. Density response to habitat at different scales in the tent-roosting bat *Uroderma bilobatum*. North American Symposium on Bat Research, **Scranton, PA**.
44. M. M. Gavilanez* and **R. D. Stevens**. 2009. Role of environmental and spatial factors in determining large scale patterns of Neotropical primate community structure: comparing diversity metrics. Association for Tropical Biology and Conservation, Germany.
45. M. Sagot*, **R. D. Stevens** and B. Rodriguez-H. 2009. Density response to habitat at different scales: A case study in the tent-roosting bat *Uroderma bilobatum*. Association for Tropical Biology and Conservation, Germany.
46. J. S. Tello* and **R. D. Stevens**. 2009. Simulating random species-environment relationships at broad geographic extents. Ecological Society of America, Albuquerque, NM.
47. **R. D. Stevens**, M. Gavilanez*, J. S. Tello* and D. A. Ray. 2009. Phylogenetic structure illuminates mechanistic role of resource diversity on community organization. Annual Meeting of the Ecological Society of America, Albuquerque NM.
48. **R. D. Stevens**. 2009. Diversity gradients resulting from niche conservatism are a product of complex interactions between climate and history. Annual Meeting of the American Society of Mammalogists, Fairbanks, AK.
49. M. Sagot*, **R. D. Stevens** and B. Rodriguez-H. 2009. Density response to habitat at different scales: perspectives from the tent-roosting bat *Uroderma bilobatum*. North American Symposium on Bat Research, Portland, Oregon.
50. L. E. Patrick*, J. S. Tello*, **R. D. Stevens** and L. A. Ruedas. 2009. Multivariate morphological analysis of niche partitioning among Costa Rican bats. North American Symposium on Bat Research, Portland, Oregon.
51. J. S. Tello† and R. D. Stevens. 2010. Applying stochastic models of geographic evolution to explain species richness gradients and species-environment relationships of bats in the New World. Annual Meeting of the Society for the Study of Evolution, Portland, OR.
52. S. McCulloch*, R. D. Stevens, A. Whitehead. 2010. Genetic structure of the great fruit-eating bat (*Artibeus lituratus*) in Atlantic forest remnants in South America. Annual Meeting of the American Society of Mammalogists, Laramie, WY.
53. M. Sagot*, C. Phillips, R. J. Baker, R. D. Stevens. 2010. Is a small deme size required for fixation of different chromosomal rearrangements? A case study in the Peter's tent-roosting bat, *Uroderma bilobatum*. Annual Meeting of the American Society of Mammalogists, Laramie, WY.
54. R. D. Stevens, J. S. Tello* and M. M. Gavilanez* and D. A. Ray. 2010. Phylogenetic structure illuminates mechanistic role of environmental heterogeneity on community organization. Annual Meeting of the American Society of Mammalogists, Laramie, WY.
55. M. Sagot*, C. Phillips, R. Stevens and R. Baker. 2010. Is fixation of chromosomal rearrangements mediated by social structure? Perspectives from the Peter's tent-roosting bat. 15th International Bat Research Conference, Prague, Czech Republic.

56. M. Sagot*, C. Phillips, R. Stevens and R. Baker. 2010. Is fixation of chromosomal rearrangements mediated by social structure? Perspectives from the Peter's tent-roosting bat. North American Symposium on Bat Research, Denver, CO.
57. Gavilanez, M. M.* and **R. D. Stevens**. 2011. Niche overlap and influence of niche conservatism on structure of primate communities: evaluating habitat use under a phylogenetic perspective. Annual Meeting of the American Society of Mammalogists, Portland, Oregon.
58. Gavilanez, M. M.* and **R. D. Stevens**. 2011. Role of environmental and historical factors in the structure of Neotropical primate communities: taxonomic and phylogenetic perspectives. Annual meeting of the Ecological Society of America, Austin, Texas.
59. Sagot, M.* and **R. D. Stevens**. 2011. Characterizing social structure and group cohesion under different habitat perspectives: insights from the Peter's tent-roosting bat, *Uroderma bilobatum*. North American Symposium on Bat Research, Toronto, Canada.
60. McCulloch, E. S.*, **R. D. Stevens** and A. Whitehead. 2011. Population genetic structure of the great fruit-eating bat (*Artibeus lituratus*) in Atlantic forest remnants in South America. Annual meeting of the Ecological Society of America, Austin, Texas.
61. **Stevens, R. D.**, J. S. Tello*, and M. M. Gavilanez*. 2011. Stronger tests of mid-domain effects on biodiversity gradients of New World bats. Annual meeting of the Ecological Society of America, Austin, Texas.
62. Sagot, M.*, C. J. Phillips, **R. D. Stevens** and R. J. Baker. 2011. The importance of social systems in fixation of chromosomal rearrangements: insights from the Peter's tent-roosting bat, *Uroderma bilobatum*. Animal Behavior Society Annual Meeting, Bloomington, Indiana.
63. **Stevens, R. D.** and J. S. Tello. 2012. Biodiversity of noctilionoid bats is less dimensional than expected. Annual Meeting of the American Society of Mammalogists, Reno Nevada.
64. **Stevens, R. D.** and S. Tello. 2012. Dimensionality of biodiversity of Phyllostomidae. North American Symposium on Bat Research, San Juan Puerto Rico.
65. Patrick, L.* and **R. D. Stevens**. 2012. Phylogenetic community structure of North American desert bats. North American Symposium on Bat Research, San Juan Puerto Rico.
66. Gavilanez, M. M.* and **R. D. Stevens**. 2012. Role of environmental, historical and spatial processes in the structure of Neotropical primate communities: contrasting taxonomic and phylogenetic perspectives. Annual Meeting of the Ecological Society of America, Portland, OR.
67. Platt II, R. N., Y. Zhang, D. J. Witherspoon, J. Xing, **R. D. Stevens**, L. B. Jorde, D. A. Ray. 2013. BAT-Scan: Phylogenomics of Myotis using retrotransposon capture. Annual Meeting of the American Society of Mammalogists, Philadelphia, PA.
68. Patrick, L. E.* and **R. D. Stevens**. 2013. Morphological and phylogenetic community structure of North American desert bats. Annual Meeting of the American Society of Mammalogists, Philadelphia, PA.

69. Duncan, N. P., S. Kahl, S. S. Gray, C. C. Salice, and **R. D. Stevens**. 2014. Pronghorn habitat suitability and connectivity in the Texas panhandle. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
70. Duncan, N. P., S. Kahl, S. S. Gray, C. C. Salice, and **R. D. Stevens**. 2014. Where the pronghorn play: pronghorn habitat suitability and connectivity in the Texas panhandle. Texas Chapter of The Wildlife Society, Austin, Texas.
71. Langlois, G. D.* and **R. D. Stevens**. 2015. Difference in day-roost habitat characteristics of *Artibeus lituratus* between two disparate landscapes. American Society of Mammalogists, Jacksonville, Florida.
72. Garcia, C. J.^U and **R. D. Stevens**. 2015. Time as a niche dimension: an examination of temporal partitioning in two Paraguayan bat communities. American Society of Mammalogists, Jacksonville, Florida.
73. Rios-Blanco, M. C.*, J. Perez-Torres, and **R. D. Stevens**. 2015. Bat metacommunity structure in an anthropogenic landscape. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
74. Stukenholtz, E. E.* and **R. D. Stevens**. 2015. Diet of pregnant and lactating Seba's short-tailed fruit bat (*Carollia perspicillata*). Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
75. Garcia, C. J.^U and **R. D. Stevens**. 2015. Time as a niche dimension: an examination of temporal partitioning in two Paraguayan bat communities. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
76. Langlois, G. D.*, S. Fernandez and **R. D. Stevens**. 2015. Differences in day-roost habitat characteristics of *Artibeus lituratus* between two disparate landscapes. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
77. Rios-Blanco, M. C.*, J. Peres-Torres and **R. D. Stevens**. 2015. Bat metacommunity structure in an anthropogenic landscape. Texas Tech Graduate School Poster Competition, Lubbock, Texas.
78. Rios-Blanco, M. C.* and **R. D. Stevens**. 2015. Bat metacommunity structure in an anthropogenic landscape (Coffee ecoregion, Colombia). Texas Society of Mammalogists, Junction, Texas.
79. Duncan, N. P., S. Kahl, S. S. Gray, C. C. Salice, and **R. D. Stevens**. 2015. Pronghorn habitat suitability and connectivity in the Texas panhandle. Midwest Fish and Wildlife Conference, Kansas City, Missouri.
80. Sotero-Caio, C. G., R. N. Platt II, L. Irber, C. T. Brown, J. D. Hanson, C. D. Phillips, F. G. Hoffmann, L. McGuire, **R. D. Stevens**, H. A. Wichman, L. Scott, F. Yang, R. J. Baker, D. A. Ray. 2016. Genomes, chromosomes and transposable elements: a study of the genome architecture of two Phyllostomid bats. North American Symposium on Bat Research, San Antonio, TX.
81. **Stevens, R. D.** and J. S. Tello. 2016. A latitudinal gradient in dimensionality of biodiversity. American Society of Mammalogists, Minneapolis, Minnesota.
82. Langlois, G. D.* and **R. D. Stevens**. 2016. Anthropogenic effects on bat roosting behavior in Atlantic Forest of South America. American Society of Mammalogists, Minneapolis, Minnesota.

83. Bohlender, E. E.*, J. Perez-Tores, N. A. Borray-Escalante and **R. D. Stevens**. 2016. Bat cravings: dietary variation during reproductive periods of Seba's short-tailed fruit bat. American Society of Mammalogists, Minneapolis, Minnesota.
84. Stuhler, J. D.*, D. A. Ray, R. D. Bradley, R. N. Platt, M. C. Rios-Blanco*, C. J. Garcia* and **R. D. Stevens**. 2016. Understanding the past, present, and future of a rare species: modeling distribution shifts. American Society of Mammalogists, Minneapolis, Minnesota.
85. Rios-Blanco, M. C.* and **R. D. Stevens**. 2016. Spatial network approaches to characterize metacommunity structure of Neotropical bats in Colombia. American Society of Mammalogists, Minneapolis, Minnesota.
86. Ray, D. A., L. Irber, C. T. Brown, C. G. Caio, J. D. Hanson, C. D. Phillips, F. G. Hoffmann, L. McGuire, **R. D. Stevens**, and C. J. Garcia. 2016. Hybrid assembly of the *Desmodus rodundus* (common vampire bat) and *Macrotus californicus* (California leaf-nosed bat) genomes. Society for the Study of Evolution, Austin, Texas.
87. Ray, D. A., N. R. Platt, B. C. Faircloth, K. A. Sullivan, T. C. Glenn, T. Kieran, **R. D. Stevens** and R. J. Baker. 2016. Resolution of New World *Myotis* using phylogenomic methods produces novel topologies. Society for the Study of Evolution, Austin, Texas.
88. James, C., H. A. Brady, D. Dendy, T. Camp, D. Jensen, H. Yang, L. Thompson, C. Tiongo, T. McLendon, **R. Stevens**. 2016. Walking improvement in a child with gross motor developmental delay after seven weeks of hipotherapy. Gait and Clinical Movement Analysis Society, Memphis, Tennessee.
89. Stuhler, J. D.*, D. A. Ray, R. D. Bradley, R. N. Platt, M. C. Rios-Blanco*, C. J. Garcia*, **R. D. Stevens**. 2016. Using historical occurrence data and present-day habitat surveys to predict the distribution of the Texas kangaroo rat (*Dipodomys elator*). Southwestern Association of Naturalists, Mexico City, Mexico.
90. Bohlender, E. E.* and **R. D. Stevens**. 2016. Diet of pregnant and lactating seba's short-tailed fruit bats (*Carollia perspicillata*). Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
91. Rios-Blanco, M. C.* and **R. D. Stevens**. 2016. Spatial network approaches to characterize metacommunity structure of Neotropical bats in Colombia. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
92. Stukenholtz, E. E.*, B. S. Chilton, L. A. Smith, J. Perez-Torres and **R. D. Stevens**. 2016. Investigating vaginal cytology and progesterone metabolites of Seba's short-tailed fruit bat (*Carollia perspicillata*) during reproduction. Texas Society of Mammalogists, Junction, Texas.
93. Stuhler, J. D.*, D. A. Ray, R. N. Platt, M. C. Rios-Blanco*, C. J. Garcia* and **R. D. Stevens**. 2016. Predicting the contemporary distribution of a rare kangaroo rat (*Dipodomys elator*) using historical occurrence data and present-day habitat surveys. Texas Society of Mammalogists, Junction, Texas.
94. Rios-Blanco, M. C.* and **R. D. Stevens**. 2016. Spatial network approaches to characterize metacommunity structure of Neotropical bats in Colombia. Texas Society of Mammalogists, Junction, Texas.

95. Langlois, G. D.* and **R. D. Stevens**. 2017. Anthropogenic effects on bat roosting behavior in Atlantic Forest of South America, Texas Society of Mammalogists, Junction Texas.
96. Sullivan, K. A., R. N. Platt, B. C. Faircloth, T. Kerian, T. G. Glenn, M. Vandewege, T. A. Lee, R. J. Baker, **R. D. Stevens**, and D. A. Ray. 2017. Conflicting evolutionary histories of the mitochondrial and nuclear genomes in New World Myotis. Texas Society of Mammalogists, Junction Texas.
97. Halsey, M. K.*, J. D. Stuhler*, L. B. Boswell, C. J. Garcia*, R. N. Platt, R. D. Bradley, **R. D. Stevens**, D. A. Ray. 2017. Old marker, new tricks: sequencing Cytochrome-B to investigate metapopulation dynamics of kangaroo rats in north-central Texas. Texas Society of Mammalogists, Junction Texas.
98. Stuhler, J. D.*, M. K. Halsey*, M. C. Rios-Blanco*, D. A. Ray, R. D. Bradley, N. R. Platt, and **R. D. Stevens**. 2017. Understanding past, present and future dynamics of rare species: modelling distribution of the Texas kangaroo rat. Texas Society of Mammalogists, Junction Texas. Winner of the William B. Davis Award for best oral presentation in classical Mammalogy.
99. Platt, R. N. II, B. C. Faircloth, K. A. M. Sullivan, T. Kieran, T. C. Glenn, M. W. Vandewege, T. E. Lee, R. J. Baker, **R. D. Stevens** and D. A. Ray. 2017. Conflicting evolutionary histories of the mitochondrial and nuclear genomes in New World Myotis. American Society of Mammalogists, Moscow, Idaho.
100. Stuhler, J. D.*, M. K. Halsey*, R. D. Bradley, R. N. Platt, D. A. Ray, and **R. D. Stevens**. 2017. Abiotic and biotic habitat characteristics shape the current distribution of a rare species. American Society of Mammalogists, Moscow, Idaho.
101. M. K. Halsey*, J. D. Stuhler*, L. D. Boswell, C. J. Garcia*, R. S. Pfau, R. N. Platt II, **R. D. Stevens** and D. A. Ray. 2017. Old marker, new tricks: sequencing cytochrome-b to investigate metapopulation dynamics of kangaroo rats in Texas. American Society of Mammalogists, Moscow, Idaho.
102. Hamilton, S.^U, J. Williams^U, C. Rios Blanco* and **R. D. Stevens**. 2017. Temporal and geographic variation in museum records of threatened bat species from South America. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
103. Kildow, A. N.^U, J. D. Stuhler* and **R. D. Stevens**. 2017. Sexual dimorphism within the white-lined broad-nosed bat (*Platyrrhinus lineatus*) using skull morphometrics. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
104. Bohlender, E. E.* and **R. D. Stevens**. 2017. Nest site overlap of native and invasive avian species at Texas Tech. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
105. Halsey, M. K.*, L. A. Blanco-Berdugo, N. S. Paulat, R. N. Platt II, **R. D. Stevens** and D. A. Ray. 2017. Steps to the phylogenetic resolution of species-rich genera. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
106. Rios-Blanco, C.* and **R. D. Stevens**. 2017. Are all mountains the same? Changes in South American bat diversity patterns along environmental gradients. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.

107. Stuhler, J., M. Halsey, R. Bradley, N. Platt, D. Ray and R. Stevens. 2017. Patterns of rodent species cooccurrence on roads versus field habitats. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
108. Mullican, S. D.*, C. W. Boal, W. C. Conway and **R. D. Stevens**. 2018. American kestrel (*Falco sparverius*) nest survival and productivity in the Llano Estacado of Texas. Annual Meeting of the Texas chapter of the Wildlife Society, Dallas, Texas.
109. Saldívar S., V. Rojas, D. Giménez, A. Abba, R. Ayala, J. Cartes, H. del Castillo, É. Cuéllar, I. Gamarra, A. J. Giordano, M. Kowalewski, J. López, V. Martínez, N. Mujica, N. Nora, M. Ortiz, F. Ramírez, S. Ríos, M. Ruíz., N. de la Sancha, J. Sánchez., P. Smith, **R. Stevens**, P. Teta, J. Thompson, J. Torres, M. Velázquez, N. Velilla, L. Villalba. & A. Weiler. 2017. El proceso de elaboración del libro rojo de mamíferos del Paraguay. III Jornada Paraguaya de Mastozoología, Asunción Paraguay.
110. Halsey, M.*, D. Ray, R. Bradley and R. Stevens. 2018. Present-day species distributions of pocket gophers in Texas. Annual Meeting of Society of Integrative and Comparative Biology, San Francisco, California.
111. Stuhler, J.*, M. Halsey*, D. Ray, R. Bradley, N. Platt and R. D. Stevens. 2018. Abiotic and biotic habitat characteristics affect the current distribution and abundance of a rare kangaroo rat. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
112. Rios-Blanco, C* and R. D. Stevens. Changes in South American bat biodiversity along environmental gradients: a multidimensional problem. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
113. Brothers, S. C.^U, J. Stuhler* and R. D. Stevens. 2018. Soil associations of four rodent species across the historical range of the Texas kangaroo rat (*Dipodomys elator*). Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
114. Kildow, A. N.^U, J. D. Stuhler* and R. D. Stevens. 2018. Testing for sexual dimorphism within the white-lined broad-nosed bat (*Platyrrhinus lineatus*). Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
115. Bohlender, E. E.*, J. Perez-Torres, N. A. Borray-Escalante and R. D. Stevens. 2018. Dietary variation during reproduction in Seba's short-tailed fruit bat. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
116. Mills, M. N.^U, T. J. Soniat*, R. D. Stevens, D. A. Ray and R. D. Bradley. 2018. A genetic assessment of pocket gophers of the genus *Geomys* (Rodentia: Geomyidae) in Texas. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
117. Marjakangas, E.-L., N. Abrego, C. Bello, R. Bovendorp, L. Culot, M. Galetti, V. Groten, E. Hasui, R. L. Muylaert, F. Lima, R. A. F. de Lima, A. A. Oliveira, L. Pereira, P. I. Prado, M. Ribeiro, B. Santos, R. D. Stevens, M. Vancine, and O. Ovaskainen. 2018. From continuous to fragmented forest: both quality and quantity of mutualistic interactions decline. Annual Meeting of the European Conference on Computational Biology, Athens Greece.
118. Halsey, M. K.*, J. D. Stuhler*, R. N. Platt II, T. C. Glenn, R. D. Bradley, D. A. Ray and R. D. Stevens. 2018. Spatially explicit genetic analysis is essential for guiding

- management decisions of a threatened kangaroo rat. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
119. Bohlender, E. E. and R. D. Stevens. 2018. Analyzing Texas avian community structure in the era of urbanization. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
 120. Kildow, A. ^U, J. D. Stuhler* and R. D. Stevens. 2018. Testing for sexual dimorphism within the white-lined broad-nosed bat (*Platyrrhinus lineatus*). Texas Tech University Undergraduate Research Conference, Lubbock, TX.
 121. Andersen, B.* , R. D. Stevens and L. McGuire. 2018. Winter activity patterns of bats in the southeastern United States. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
 122. Mills, M. N. ^U, T. J. Soniat*, M. Halsey, *R. D. Stevens, D. A. Ray and R. D. Bradley. 2018. A genetic assessment of pocket gophers of the genus *Geomys* (Rodentia: Geomyidae) in Texas. Texas Tech Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
 123. Stuhler, J.* , M. Halsey*, D. Ray, R. Bradley, N. Platt and R. D. Stevens. 2018. An Evaluation of abiotic and biotic habitat characteristics affect the current distribution and abundance of a rare kangaroo rat Texas Tech. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
 124. Perkins, J. C.* , R. D. Stevens and R. C. Dowler. 2018. Future research into the plains spotted skunk (*Spilogale putorius interrupta*) in a tallgrass prairie ecosystem. Annual Meeting of the American Society of Mammalogists, Manhattan, Kansas.
 125. Stuhler, J.* , M. Halsey*, R. Bradley, N. Platt, D. Ray and R. Stevens. 2018. The influence of abiotic and biotic characteristics on rodent community dynamics across the geographic range of a rare kangaroo rat. Annual Meeting of the American Society of Mammalogists, Manhattan, Kansas.
 126. Kildow, A. N. ^U, J. D. Stuhler* and R. D. Stevens. 2018. Sexual dimorphism in the white-lined broad-nosed fruit bat. Annual Meeting of the American Society of Mammalogists, Manhattan, Kansas.
 127. Rios-Blanco, C.* and R. D. Stevens. 2018. Changes in South American bat biodiversity patterns along environmental gradients: a multidimensional problem. Annual Meeting of the American Society of Mammalogists, Manhattan, Kansas.
 128. Halsey, M. K.* , J. D. Stuhler*, R. N. Platt II, N. J. Bayona-Vazquez, R. D. Bradley, D. A. Ray and R. D. Stevens. Spatially explicit genetic analysis is essential for guiding management decisions of a threatened kangaroo rat. Annual Meeting of the American Society of Mammalogists, Manhattan, Kansas.
 129. Kusi, N. Y.* , K. Lewis, G. Morgan, G. Ritchie, S. Deb and R. Stevens. 2019. Potassium (K) application timing and cotton yield in Texas' southern high plains. 17th Annual Texas Tech University Graduate Poster Competition, Lubbock, Texas.
 130. B. D. Andersen, R. D. Stevens and L. McGuire. 2018. Winter assemblage and activity patterns of bats in the southeastern United States. 48th Annual Meeting of the North American Society for Bat Research, Puerto Vallarta, Mexico.
 131. C. J. Garcia, R. W. Perry, D. A. Ray and R. D. Stevens. 2019. Seasonal roost site characteristics of *Myotis septentrionalis* in the Kisatchie National Forest, Louisiana. Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.

132. H. G. Wilson, S. Robertson and R. D. Stevens. 2019. Characteristics for predicting bat presence under bridges in the Trans-Pecos ecoregion of Texas. Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.
133. J. R. Grimshaw, D. A. Ray and R. D. Stevens. 2019. Macroecology of the genome. Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.
134. J. C. Perkins, R. D. Stevens and R. Dowler. 2019. Preliminary results: spatial ecology and population demographics of the plains spotted skunk (*Spilogale putorius interrupta*) in southeastern Texas. Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.
135. A. L. Hargrove, J. D. Stuhler, E. E. Stukenholtz, J. R. Grimshaw, E. E. Guest, M. K. Halsey and R. D. Stevens. 2019. Influence of thermal properties on roost use by the cave myotis (*Myotis velifer*). Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
136. B. D. Andersen, R. D. Stevens and L. McGuire. 2018. Spatial and temporal variation in bat activity during winter. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
137. M. K. Halsey, R. D. Bradley, R. D. Stevens and D. A. Ray. 2019. Unearthing proxy determinants of the subterranean niche for species distribution models. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
138. H. G. Wilson, S. J. Robertson and R. D. Stevens. 2019. Co-occurrence patterns of bats in the Trans-Pecos region of Texas. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
139. J. D. Stuhler, M. K. Halsey, R. D. Bradley and R. D. Stevens. 2019. Changes in rodent community composition during the last half-century across the range of a rare kangaroo rat. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
140. E. E. Stukenholtz and R. D. Stevens. Effects of urbanization on taxonomic and functional composition of avian communities throughout Texas. Annual Biological Symposium, Texas Tech Association of Biologists, Lubbock, Texas.
141. M. K. Halsey, R. D. Bradley, R. D. Stevens and D. A. Ray. 2019. Unearthing proxy determinants of the subterranean niche for species distribution models. Annual Meeting of the American Society of Mammalogists, Washington D. C.
142. J. C. Perkins, K. P. Jefferson, M.H. Hamilton, R. C. Dowler and R. D. Stevens. 2019. Preliminary results: spatial ecology of the plains spotted skunk (*Spilogale putorius interrupta*) in southeastern Texas. Annual Meeting of the American Society of Mammalogists, Washington D. C.
143. J. D. Stuhler, M. K. Halsey, R. D. Bradley and R. D. Stevens. 2019. Synergistic effects of land-use and climate change on rodent communities: a half-century of anthropogenic change. Annual Meeting of the American Society of Mammalogists, Washington D. C.
144. C. Garcia, R. Perry and R. D. Stevens. 2019. Sex differences in roost selection of Northern long-eared bats in the Kisatchie National Forest. Annual Meeting of the American Society of Mammalogists, Washington D. C.
145. H. G. Wilson, S. R. Robertson and R. D. Stevens. 2019. Factors influencing bat presence at highway structures in the Trans-Pecos region of Texas. Texas Department of Transportation Environmental Conference, Austin, TX.

146. A. Alviz and R. D. Stevens. 2020. Occupancy modelling and conservation strategies for the lowland tapir in the Colombian Orinoco. Annual Meeting of the Texas Society of Mammalogists, Junction Texas. Winner of the William B. Davis Award for best oral presentation in classical Mammalogy.
147. Perkins, J.C., K.P. Jefferson, M.H. Hamilton, R.C. Dowler, and R. D. Stevens. 2020. Update on plains spotted skunk spatial ecology project in southeastern Texas. Southeastern Bat Diversity Network and Colloquium on the Conservation of Mammals in the Southeastern U.S., Athens, GA.
148. M. K. Halsey, L. L. Lindsay, T. J. Soniat, R. D. Stevens, R. D. Bradley and D. A. Ray. 2020. Phylogenetic placement and population genetics of *Thomomys bottae* subspecies in Texas and southeastern New Mexico using single nucleotide polymorphisms. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
149. M. A. Krishnamoorthy, R. D. Bradley and R. D. Stevens. 2020. Are bat assemblages influenced by water quality in a desert environment: proposed study for Black Gap WMA. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
150. H. G. Wilson, S. J. Robertson and R. D. Stevens. 2020. Bridges as day-roosts for bats in the Trans-Pecos region of Texas. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
151. J. R. Grimshaw, D. A. Ray and R. D. Stevens. 2020. Genetic diversity of *Myotis septentrionalis*. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.
152. J. R. Grimshaw, D. Donner, P. E. Marquardt, R. W. Perry, R. D. Stevens and D. A. Ray. 2020. Genetic diversity of the threatened Northern long-eared bat (*Myotis septentrionalis*). Biodiversity Genomics Conference, virtual-online conference.
153. A. Alviz and R. D. Stevens. 2020. Ecological and social challenges for the conservation of tapirs in the Colombian Orinoquia. Colombian Symposium on the Ecology and Conservation of Tapirs, virtual-online conference.
154. E. E. Stukenholtz and R. D. Stevens. 2020. Effects of urbanization on taxonomic and functional composition of avian communities throughout Texas. Ecological Society of America, Virtual Meeting.
155. J. C. Perkins, K.P. Jefferson, M.H. Hamilton, R.C. Dowler, and R.D. Stevens. Effects of seasonality and bait type on capture efficacy and sex ration of plains spotted skunks. Eastern Spotted Skunk Cooperative Study Group. 2021 Virtual Meeting.
156. H. Belinne and R. D. Stevens. 2021. Morphometric approaches as a tool to distinguish three cryptic species of *Myotis* (Mammalia: Chiroptera) bats, Texas Tech University Undergraduate Research Conference, Lubbock, Texas.
157. D. E. Malone, C. W. Boal, R. Martin, R. D. Stevens, and C Villalobos. 2022. Assessing Texas kangaroo rat habitat management and population connectivity. Annual Meeting of the Texas Chapter of the Wildlife Society, Marble Falls, Texas.
158. J. C. Perkins, K.P. Jefferson, M.H. Hamilton, R.C. Dowler, and R.D. Stevens. Effects of seasonality and bait type on capture efficacy and sex ration of plains spotted skunks. Annual Meeting of the Texas Society of Mammalogists, Junction Texas.

159. H. G. Wilson, S. J. Robertson and R. D. Stevens. 2022. Microsite roost characteristics selected by bats roosting in bridges of the Trans-Pecos. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
160. J. D. Stuhler and R. D. Stevens. 2022. Impacts of a half a century of anthropogenic change on taxonomic and functional diversity in rodent communities. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
161. E. E. Stukenholtz and R. D. Stevens. 2022. Variability in the relationship of Grinnellian and Eltonian niche characteristics and passerine distribution across spatial scales. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
162. J. R. Grimshaw, R. D. Stevens and D. A. Ray. 2022. Population structure of the threatened *Myotis septentrionalis* across the United States. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
163. S. C. Vrla, R. D. Stevens and D. A. Ray. 2022. A trait evolution analysis of ultraviolet reflective morphology in mammals. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
164. G. D. Langlois and R. D. Stevens. 2022. Comparison of roosting behavior between two disparate landscapes by a Neotropical bat (*Artibeus lituratus*) in the Atlantic Forest of Paraguay. Texas Tech Department of Natural Resources Management Research Day Symposium, Lubbock Texas.
165. H. Belinne M. A. Barnes, and R. D. Stevens. 2022. Collection and analysis of soil environmental DNA for the detection of the Texas kangaroo rat *Dipodomys elator*, Texas Tech University Undergraduate Research Conference, Lubbock, Texas.
166. Stevens R. D. 2022. Reflections of Grinnellian and Eltonian niches on the distribution of phyllostomid bats in the Atlantic Forest. Annual Meeting of the American Society of Mammalogists, Tucson, Arizona.
167. Stuhler, J. D. and R. D. Stevens. 2022. Drivers of beta diversity among cricetid and heteromyid rodents in rangeland habitats. Annual Meeting of the American Society of Mammalogists, Tucson, Arizona.
168. Wilson, H. G., S. J. Robertson, and R. D. Stevens. 2022. Microsite characteristics selected by bats roosting in bridges in the Texas Trans-Pecos. Annual Meeting of the American Society of Mammalogists, Tucson, Arizona.

GRADUATE STUDENT COMMITTEES

Completed

Chaired: Total of 7

Ph.D.

J. Sebastian Tello, Completed 2011. Dissertation: Diversity Gradients at Geographic Scales: Effects of Environmental Characteristics and Stochastic Diversification.

Eve S. McCulloch, Completed 2012. Dissertation: Environmental and Landscape Determinants of Population Genetic Structure and Diversity of the Great Fruit-Eating Bat, *Artibeus lituratus*, In Atlantic Forest Remnants in South America.

Maria Sagot, Completed 2012. Dissertation: Unraveling Ecological Effects on Social Behavior. Insights From Tent-Roosting Bats.

Meche Gavilanez, Completed 2013. Dissertation: Phylogenetic Determinants of Structure in Neotropical Primate Communities.

Lori Patrick. Completed 2014. Dissertation: Morphological and Phylogenetic Community Structure of North American Desert Bats.

Erin Stukenholtz. Completed 2022. Dissertation: Avian Metacommunity Structure and Influence of Grinnellian and Eltonian Niche Characteristics on Geographic Distribution.

M.S.

Erin Stukenholtz, Completed 2016. Thesis: Reproductive Ecology of Palais' Fruit-Eating Bat

Co-Chaired (Total =2)

Ph.D.

Michaela Halsey. Completed 2021. Dissertation: Conservation genomics and distribution modelling of Texas geomyoid rodents.

M.S.

Brett Andersen, Completed 2021. Thesis: Influences of Habitat and Temperature on Winter Bat Assemblages

Committee member of: total of 49

Jane Carleson, Ph.D., 2007, Biology, Louisiana State University
Timothy Paine, Ph.D., 2007, Biology, Louisiana State University
Adriana Bravo, Ph.D., 2009, Biology, Louisiana State University
Jessica Deichmann, Ph.D., 2009, Biology, Louisiana State University
Heather Jackson, Ph.D., 2010, Biology, Louisiana State University
Ron Eytan, Ph.D., 2010, Biology, Louisiana State University
Luciano Naka, Ph.D., 2010, Biology, Louisiana State University
Ellen Reid, M.S., 2010, Biology, Louisiana State University
Jonathan Myers, Ph.D., 2010, Biology, Louisiana State University
David Anderson, Ph.D., 2010, Biology, Louisiana State University
Amanda Accomando, M.S., 2011, Biology, Louisiana State University
Lindsey Wieland, M.S., 2011, Biology, Louisiana State University
Heidi Pagan, Ph.D., 2011, Mississippi State University
Darin Ellair, Ph.D., 2012, Biology, Louisiana State University
Forest Dillemoth, Ph.D., 2012, Biology, Louisiana State University
Wesley Daniel, Ph.D., 2012, Biology, Louisiana State University
Becky Carmichael, Ph.D., 2012, Biology, Louisiana State University
Noah Reid, Ph.D., 2013, Biology, Louisiana State University
Yalma Vargas, Ph.D., 2013, Biology, Louisiana State University
Renata Muyleart, M.S., 2014, Sao Paulo State University, Brazil
Neal Platt, Ph.D., 2014, Mississippi State University

Ganesh Bhattarai, Ph.D., 2014, Biology, Louisiana State University
Brad Nelson, M.S., 2014, Biology, Louisiana State University
Anthony Chow, M.S., 2014, Biology, Louisiana State University
Nathan Duncan, M.S., 2015, Natural Resources Management, TTU
Nicholas Goforth, M.S., 2015, Natural Resources Management, TTU
Doug Perez, M.S., 2016, Biology, TTU
Sarah Mangum, M.S., 2016, Biology, TTU
Juan Carrera, Ph.D., 2016, Biology, TTU
Yeong Jo, Ph.D., 2016, Natural Resources Management, TTU
Daniela Arenas, M.S., 2017, Biology, TTU
Alex Thompson, 2017, Ph.D., Animal and Food Sciences, TTU
Sergio Balaguera, Ph.D, 2019, Biology, TTU
Arnab Ghosh, Ph.D. Biology, 2019, TTU
Andrea Reinhardt, M.S., Biology, 2018, TTU
Britt Smith, Ph.D., Natural Resources Management, 2018, TTU
Zack Smith, Ph.D., Animal and Food Sciences, TTU
Brooks Kohli, Ph.D., Natural Resources, 2019, University of New Hampshire,
Bo Reid, M.S., Natural Resources Management, 2018, TTU
Shea Smith, M.S., Natural Resources Management, 2018, TTU
Sayani Mallick, Ph.D., Animal and Food Sciences, 2019, TTU
Nana Kusi, Ph.D., Plant and Soil Sciences, 2019, TTU
Andres Cordero, M.S., Biology, 2019, TTU
Laramie Lindsey, Ph.D., Biology, 2020, TTU
Betzaida Rivera, M.S., Biology, 2020, TTU
Katelyn Vedolich, M.S., NRM, 2020, TTU
Pablo Tovar, Ph.D., Biology, 2021
Diana Vargas, Ph.D., Biology, 2021
Iroro Tanshi, Ph.D. Biology, 2021

In Progress:

Chair: total of 8

Ph.D.

Cristina Rios Blanco, anticipated completion date Fall 2022.

John Stuhler, anticipated completion date Fall 2022.

Holly Wilson, anticipated completion date Fall 2023.

James Perkins, anticipated completion date Fall 2023.

Angela Alviz, anticipated completion date Spring 2024

M.S.

Carlos Garcia, anticipated completion date Fall 2022, Co-chaired with David Ray, Biology

Samantha Garcia, anticipated completion date Spring 2023, Co-chaired with Liam McGuire,
University of Waterloo

Emma E. Sanchez, Anticipated completion December 2023

Co-Chair: total of 3

Ph.D.

Jenna Grimshaw, anticipated completion date Fall 2023, Co-chaired with David Ray, Biology
 Macy Madden, anticipated completion date Fall 2022, Co-chaired with Robert Bradley, Biology
 Sara Vrla, anticipated completion date Fall 2024, Co-chaired with Robert Bradley, Biology

Committee member of: total of 17

Sarah Vaca Puente, Ph.D., Biology
 Daniela Arenas, Ph.D., Biology
 Andres Cordero, Ph.D., Biology
 Cindy Pappas, Ph.D., Natural Resources Management
 Kevin Sullivan, Ph.D., Biology
 Melania Fernandez, M.S., Plant and Soil Sciences
 Albilardo Rodriguez, Ph.D., Pontifica Universidad Javeriana, Colombia
 Gabriel Pantoja, Ph.D., Pontifica Universidad Javeriana, Colombia
 Austin Osmanski, Ph.D. Biology
 Jennifer Korstian, Ph.D. Biology
 Ezinne Osuji, Ph.D. Biology
 Emily Brodbeck, M.S., Natural Resources Management
 Angela Grogan, M.S., Natural Resources Management
 Jonathan Hruska, Ph.D., Biology
 Azeez Shaik, Ph.D. Plant and Soil Sciences
 Mathew Buchholz, Ph.D. NRM
 Nuria Bernal, Ph.D. Biology
 Danielle Deming, MS, NRM

B. S.—Undergraduate Research Experiences in the lab: total of 34

Alex Cochran 2009-2013	Claire Bugner 2009-2013	Thomas Grenier 2011-2013
Hannah Lomzenski 2013	Caitlin Glymph 2013	Daniel Clesi 2010-2013
Mary Johnson 2010-2012	Maggie Joyner 2009-2010	Natalia Aristizabal. 2008
Laura Betancourt. 2010	Kelly Briggs. 2006	James Cesar 2007
Maya Creecy 2005-2007	Philip D’Antonio 2008	Ana Garcia. 2007
Heather Lin 2005-2006	Sara Lodriguez 2008	Gina McCormick 2006
Joel Mickail 2006-2007	Tyler Olivier. 2006	James O’Neal. 2007
Lacey Prestwood 2006-2008	Patrick Smith. 2006	Chantal San Miguel 2005-07
Emma Sanchez 2019-2020	Emma Guest 2018-2020	David Melendez 2019-2020
Carlos Garcia 2014-2016	Teal Duncan 2014-2015	Ashlyn Kildow 2017-2020
Jorge Ochoa 2018 – 2021	Mikayla Pryor 2019-2020	Julien Washington 2020-21
Amanda Newman 2019 –P	Craig Wallace 2020-P	Hannah Belinne 2020-P
Natalia Lopez 2021-P	Morgan Winnett 2021	Ashlin Tatum 2020-P

TEACHING EVALUATIONS

<u>Course</u>	<u>Term</u>	<u>Students</u>	<u>Met Course Objectives</u>	<u>Instructor Overall</u>	<u>Valuable Learning Experience</u>
Louisiana State University ¹					
Biol 4253 Principles of Ecology	Sp 2005	45	9.18	8.81	7.14

Biol 4253 Principles of Ecology	Sp 2006	54	3.72	3.53	3.28
Biol 4253 Principles of Ecology	F 2006	52	3.66	3.52	3.48
Biol 4253 Principles of Ecology	F 2006	47	3.54	3.42	3.27
Biol 7800 Biodiv. and Macroecology	Sp 2007	4	3.66	3.25	3.75
Biol 4253 Principles of Ecology	F 2007	45	3.44	3.09	3.43
Biol 4253 Principles of Ecology	F 2007	51	3.62	3.60	3.57
Biol 7800 Biodiv. and Macroecology	F 2007	5	3.88	3.67	4.00
Biol 4253 Principles of Ecology	F 2008	50	3.68	3.72	3.64
Biol 4253 Principles of Ecology	F 2008	50	3.69	3.75	3.61
Biol 4253 Principles of Ecology	F 2009	47	3.52	3.53	3.25
Biol 4253 Principles of Ecology	F 2009	32	3.72	3.46	3.31
Biol 7800 Biodiv. and Macroecology	F 2009	6	3.88	4.00	4.00
Biol 4253 Principles of Ecology	F 2011	52	3.75	3.50	3.50
Biol 4253 Principles of Ecology	F 2011	48	3.66	3.74	3.54
Biol 7800 Biodiv. and Macroecology	F 2011	12	3.94	3.75	4.00
Biol 4253 Principles of Ecology	F 2012	48	3.58	3.49	3.34

Texas Tech University²

NRM 5403 Experimental Design	Sp 2014	16	4.31	4.44	4.31
NRM 6002 Biometry II	F 2015	11	4.73	4.82	4.73
NRM 5403 Experimental Design	Sp 2016	18	4.79	4.57	4.64
NRM 6002 Readings Bat Ecology	Sp 2016	6	4.50	4.83	4.83
NRM 5201 Grad Intro Ecology	F 2016	12	4.50	4.56	4.50
NRM 6002 Biometry II	F 2016	12	4.78	4.78	4.89
NRM 5403 Experimental Design	Sp 2017	24	4.52	4.13	4.22
NRM 6002 Readings Bat Ecology	Sp 2017	6	4.60	5.00	5.00
NRM 5201 Grad Intro Ecology	F 2017	7	4.43	4.14	4.43
NRM 5403 Experimental Design	F 2017	21	4.86	4.86	4.86
NRM 5403 Experimental Design	F 2018	20	4.60	4.47	4.67
NRM 4322 Nongame Ecology	Sp 2019	30	4.43	4.24	4.43
BIOL 3301 Field Ecology	Su 2019	11	4.67	5.00	4.67
NRM 5403 Experimental Design	F 2019	22	4.70	4.70	4.80
NRM 3422 Nongame Ecology	Sp 2020	30	4.47	4.32	4.42
NRM 5403 Experimental Design	Sp 2021	10	4.80	5.00	4.80
BIOL 3301 Field Ecology	Su 2021	12	5.00	5.00	5.00
NRM 3422 Nongame Ecology	F 2021	44	4.21	3.74	3.84
NRM 6002 Biometry II	Sp 2022	??	4.80	4.50	4.80

¹Maximum score was 4.00 for all but spring 2005 when maximum score was 10.

²Maximum score was 5.00

COURSES DEVELOPED AND TAUGHT

Louisiana State University

Principles of Ecology (BIOL 4253: S2005, S2006, F2007, F2008, F2009, F2010, F2011, F2012, F2013)

Biodiversity and Macroecology (BIOL 7800: S2007, F2007, F2008, F2009, F2010, F2012)

Estimating Distribution and Abundance (BIOL 7800: F2005)

Evolutionary Ecology Seminar---(BIOL 7800: F2006)

Texas Tech University

Experimental Design and Analysis (NRM 5403: S2014, S2015, S2016, S2017, F2017, F2018, F2019, S2021)

Biometry II (NRM 6002: F2015, F2016)

Foundations of Ecology and Conservation (NRM 5201: F2016, F2017)

Readings in Bat Ecology (NRM 6002: F2014, S2017)

Multivariate Analysis of Ecological Communities (NRM 6002: Sp2018, Sp2019)

Metacommunity Ecology (NRM 6002: Sp2018)

Techniques in Bat Ecology (NRM 6002: Su2018)

Bat Community Ecology (NRM 6002: F2017)

Readings in Mammalian Ecology (NRM 6002: F2018)

Applications in "R" (NRM 6002: Sp2019)

Mammals of the Lincoln National Forest (NRM 6002: Su2019)

Mixed Models in "R" (NRM 6002: F2019)

Beta Diversity (NRM 6002: Sp2021)

Natural Resources Communication (NRM 6002, F2021)

Advanced Biometry (NRM 6002, S2022)

GRANTS AND AWARDS: total funded \$3,252,497 (\$2,579,522 to Stevens)

- 1) R. D. Stevens. 1994. The recovery of vertebrate consumers from Hurricane Hugo in the Luquillo Experimental Forest. \$1800 from Oak Ridge Associated Universities.
- 2) R. D. Stevens. 1996. The role of invertebrate consumers in the recovery from disturbance in the Luquillo Experimental Forest. \$2125 from Oak Ridge Associated Universities.
- 3) R. D. Stevens. 1996. Process, pattern, and perception: the role of scale in the identification of competitive exclusion. \$500 from Texas Tech University.
- 4) R. D. Stevens. 1996. Process, pattern, and perception: the role of scale in the identification of competitive exclusion. \$1000 from the American Society of Mammalogists, Grants in Aid of Research.
- 5) P. M. Gorresen, and R. D. Stevens. 1996. The relationship between the bat fauna and landscape structure in the Atlantic Forest of Paraguay. \$6000 from the Wildlife Conservation Society.
- 6) R. D. Stevens. 1997. Phylogenetic and ecological determinants of resource partitioning in bats: a community perspective. \$1000 from Texas Tech University.
- 7) R. D. Stevens. 1998. Resource partitioning in subtropical bat communities: phylogenetic and ecological determinants. \$500 from Texas Tech University.
- 8) R. D. Stevens. 1999. Ecomorphological versatility and the structure of seasonally dynamic bat communities. \$1000 from American Society of Mammalogist, Grants in Aid of Research.
- 9) R. D. Stevens. 1999. Ecomorphological versatility and the structure of seasonally dynamic bat communities. \$500 from Texas Tech University, Graduate School.
- 10) R. D. Stevens. 1999. Ecomorphological versatility and the structure of seasonally dynamic bat communities. \$500 from Texas Tech University, Association of Biologists.

- 11) R. D. Stevens. 2001. Morphological, functional, and taxonomic determinants of latitudinal gradients in biodiversity: perspectives on the community ecology of New World bats. \$2000 from Texas Tech University, Department of Biology.
- 12) R. D. Stevens. 2002. Environmental determinants of biodiversity: the relative roles of climatic, energetic, and biome characteristics in the formation of latitudinal gradients. \$100,000 from the National Center for Ecological Analysis and Synthesis.
- 13) R. D. Stevens. 2004. Environmental determinants of biodiversity: the relative roles of climatic, energetic, and biome characteristics in the formation of latitudinal gradients. \$50,000 renewal from the National Center for Ecological Analysis and Synthesis, (Declined by awardee).
- 14) R. D. Stevens. 2005. The relative contributions of environmental and contagious spatial structure in determining species composition of Paraguayan bat assemblages. Annual Meeting of the American Society of Mammalogists, Missouri. Office of Research and Graduate Studies Faculty Travel Grant, \$750.
- 15) R. D. Stevens. 2005. Climatically induced nonequilibria determine temporal metacommunity dynamics. National Science Foundation, \$65,000.
- 16) R. D. Stevens. 2006. Quantitative habitat characteristics of rodents in the Eastern Mojave Desert underlie spatial variation in community structure. Annual Meeting of the American Society of Mammalogists, Massachusetts. LSU Office of Research and Graduate Studies Faculty Travel Grant, \$750.
- 17) R. D. Stevens. 2006. A molecular assessment of dispersal-mediated metacommunity dynamics. LSU Council of Research, \$5000.
- 18) R. D. Stevens. 2006. A molecular assessment of effects of dispersal by *Neotoma lepida* on rodent metacommunity dynamics. NSF-LAEPSCoR, \$10,000.
- 19) R. D. Stevens. 2006. Survey of Ecuadorian bat ectoparasites. Field Museum of Natural History, \$10,125.
- 20) R. D. Stevens. 2007. Integrating biotic interactions into the empirical examination of metacommunity structure. Annual Meeting of the American Society of Mammalogists, New Mexico. LSU Office of Research and Graduate Studies Faculty Travel Grant, \$750.
- 21) R. D. Stevens. 2008. Behavioral, ecological and morphological components of convergent evolution in New World *Myotis*. LSU Faculty Research Grant, \$10,000.
- 22) R. D. Stevens. 2008. Determinants of phenotypic evolution in New World vesper bats. NSF-LAEPSCoR, \$10,000.
- 23) R. D. Stevens. 2010. Stronger tests of mid-domain effects on latitudinal gradients of biodiversity of New World bats. Annual Meeting of the American Society of Mammalogists, New Mexico. Office of Research and Graduate Studies Faculty Travel Grant, \$750.
- 24) R. D. Stevens. Environmentally induced temporal dynamics of rodent metacommunity structure and a molecular assessment of dispersal effects. Louisiana Board of Regents, \$154,317.
- 25) R. D. Stevens and L. E. Patrick. 2011. Phylogenetic Community Structure and Morphological Overlap of Western North American Bats. Louisiana Department of Wildlife and Fisheries, \$1000.
- 26) R. D. Stevens (PI) and D. A. Ray (Co-PI). 2014. Collaborative Research: A novel phylogenetic approach to the analysis of bat phylogenetics and morphological evolution. National Science Foundation, \$53,336 transferred to TTU in 2014 (\$53,336 to Stevens).

- 27) R. D. Stevens. 2014. Distribution, abundance and use of artificial roosts by critically imperiled bat species in Louisiana. United States Department of Fish and Wildlife/Louisiana Department of Wildlife and Fisheries, \$74,129 transferred to TTU in 2014 (\$74,129 to Stevens).
- 28) R. D. Stevens. 2014. REU Supplement: Collaborative Research: A Novel Phylogenetic Approach to the Analysis of Bat Phylogenetics and Morphological Evolution. National Science Foundation, \$7,000.
- 29) R. D. Stevens, D. A. Ray, R. N. Platt, and R. D. Bradley. 2014. Endangered Species Research Projects for the Texas Kangaroo Rat. Texas Comptroller of Public Accounts, \$199,999 (\$100,000 to Stevens).
- 30) R. D. Stevens and M. A. Barnes. 2015. White-nose syndrome (WNS) surveillance in Louisiana. United States of Fish and Wildlife Service/Louisiana Department of Wildlife and Fisheries, \$31,199 (\$17,159 to Stevens).
- 31) D. A. Ray and R. D. Stevens. 2016. Comparing genetic diversity of the threatened northern long-eared bat across their range using whole-genome and RADSeq approaches. USDA-US Forest Service, \$50,000 (\$10,000 to Stevens).
- 32) R. D. Stevens and S. Fritts. 2016. Fort Wolters bat surveys. Texas Military Department, \$28,696 (\$14,348 to Stevens).
- 33) R. D. Stevens. 2016. Habitat affinities, and day roost characteristics of the northern long-eared bat in Louisiana. United States Fish and Wildlife Service/Louisiana Department of Wildlife and Fisheries \$125,000 (\$125,000 to Stevens).
- 34) D. A. Ray, R. D. Bradley and R. D. Stevens. 2016. Population status of Texas pocket gophers (*Geomys* and *Thomomys*). Texas Parks and Wildlife, \$117,422 (39,141 to Stevens).
- 35) R. D. Stevens. 2016. Winter day-roost characteristics of the northern long-eared bat (*Myotis septentrionalis*) in Louisiana. USDA – US Forest Service, \$76,000 (\$76,000 to Stevens).
- 36) R. D. Stevens and S. Fritts. 2017. Camp Maxey Herpetofauna Surveys. Texas Military Department, \$50,914 (\$25,457 to Stevens).
- 37) R. D. Stevens and L. McGuire. 2017. Winter site-occupancy and foraging activity of bats on the coastal plain of the southeastern United States with particular focus on Northern Long-Eared Bats (*Myotis septentrionalis*). National Council for Air and Stream Improvements, \$98,713 (\$98,713 to Stevens).
- 38) R. D. Stevens. 2017. Interactions between bats and highway structures on the Trans Pecos of Texas. Texas Department of Transportation, \$393,138 (\$393,138 to Stevens).
- 39) R. D. Stevens 2017. Distribution and conservation genetics of *Myotis* and other critically imperiled bats in Louisiana. United States Fish and Wildlife Service/Louisiana Department of Wildlife and Fisheries, \$155,940 (\$77,970 to Stevens).
- 40) R. D. Stevens. 2018. Interagency contract for endangered species research for the continued study of the plains spotted skunk. Texas Comptroller of Public Accounts, \$288,467.
- 41) R. D. Stevens. 2020. Spatial ecology of the Texas Kangaroo Rat (*Dipodomys elator*). Texas Comptroller of Public Accounts, \$300,000.
- 42) W. Conway, R. D. Stevens, R. D. Bradley, M. Barnes and P. Gipson. 2020. Canid Tortoise predation study at Marine Corps Air Ground Combat Center. Department of Defense, \$139,195 (\$20,879 to Stevens).

- 43) R. D. Stevens and Robert D. Bradley. 2021. Digitization PEN: BatPEN!-A partnership to facilitate scientific inquiry into the vast functional trait diversity of phyllostomid bats. \$175,000 (\$148,750 to Stevens). September 2021 – August 2023.
- 44) C. W. Boal, R. D. Stevens and C. Villalobos. 2021. TCU 432: Assessing Texas Kangaroo Rat Habitat Connectivity, Management, and Monitoring Protocols. Texas Parks and Wildlife Department, \$227,982 (\$75,918 to Stevens).
- 45) R. D. Stevens. 2022. Survey of Tri-colored bat winter roost sites and associated White-Nose syndrome in east and central Texas. US Fish and Wildlife Service/Texas Parks and Wildlife Department, \$100,000.

SERVICE TO PROFESSIONAL ORGANIZATIONS

International

Advising Students at Foreign Universities

Willy Pineda, University of Costa Rica, Golfito.
Marcelo Weber, Rio de Janeiro Federal University
Renata Muyleart, Sao Paulo State University, M.S.
Albilardo Rodriguez, Pontifica Universidad Javeriana, Colombia
Gabriel Pantoja, Pontifica Universidad Javeriana, Colombia
Maria Luisa Ortiz, Universidad Nacional, Asuncion, Paraguay

Organization of International Research Symposia

2016, International Bat Research Congress, Durban, South Africa. Symposium title: Bat Community Ecology, organized with M. Mello and S. Schoeman.
2022, International Bat Research Congress, Austin, Texas. Symposium title: Frontiers in Neotropical Macroecology, organized with F. Villalobos and M. J. Ramos Pereira.

Plenary Addresses to International Societies

2015, Latin American Mammalogy Congress, Bogota, Colombia
2015, Brazilian Society for the Study of Bats, Ouro Preto, Brazil
2015, Paraguayan Mammal Society, Asuncion, Paraguay
2018, Peruvian Association of Mammalogists, Cuzco, Peru.

Invited Symposium Presentations

2012, International Bat Research Congress, San Jose, Costa Rica
2015, National Workshop on Processes of Fragmentation, Connectivity and Landscape Permeability in Colombia, Bogota, Colombia
2016, International Bat Research Congress, Durban, South Africa

Expert Panelist

2017, IUCN (International Union for the Conservation of Nature) expert panel for mammals of Paraguay, Asuncion, Paraguay.

Editorships

Subject Editor, Oikos, Nordic Ecological Society 2010-2016.
Associate Editor, Mastrozoologia Neotropical (Neotropical Mammalogy), 2017-2018.

Proposal Review
FWF Austrian Science Fund, 2011

National

National Science Foundation

- 1) Panelist, Doctoral Dissertation Improvement Grants, 2008.
- 2) Panelist, Evolutionary Ecology Proposal Review Panel, 2016.
- 3) Panelist, Ecology of Infectious Disease Proposal Review Panel, 2008, 2010, 2012.

Department of Defense

- 1) Strategic Environmental Research and Development Program, Proposal Reviewer, 2012.

American Society of Mammalogists

- 1) Member, Board of Directors, American Society of Mammalogists, 2012-2015, 2019-present
- 2) Associate Editor, Journal of Mammalogy, 2009 – 2016,
- 3) Member, Publications Committee, 2009-2016.
- 4) Chair, Grants in Aid Committee, 2012 – 2014.
- 5) Member, Grants in Aid Committee, 2003 – 2012, 2017-present.
- 6) Member, Animal Care and Use Committee, 2015-present.
- 7) Member, Systematic Collections Committee, 2020-present

National Ecological Observatory Network (NEON)

- 1) Small Mammal Technical (Advisory) Working Group, 2016-present.

State

Texas Society of Mammalogists

- 1) President Elect, 2017-2018.
- 2) President, 2018-2019
- 3) Executive Committee, 2018-Present
- 4) Ad Hoc Constitution Committee, 2018-2020.

University

Institutional Animal Care and Use Committee, 2015 to present

Reviewer of Grants in Aid of Research, Graduate School

Reviewer of Grants in Aid of Research, TTUAB

Provost's Tenure Advisory Committee, Texas Tech University, 2018 – Present

Chancellor's Council Distinguished Research Award Selection Committee, 2020

Tenure Advisory Committee, 2018 – Present

Associate Editor, Occasional Papers of the Museum of Texas Tech University. 2018 - Present

Media Coverage

Fox News 34, Lubbock. 6 February 2017. Texas Tech Researchers look to solve pigeon problem.

FM 100.7 The Score. 6 February 2017. Texas Tech Researchers look to solve pigeon problem.
KCBD-11 NBC News, Lubbock. 29 March 2017. Texas Tech to fight pigeon population with birth control.
South Korean National News. 7 July 2017. Pigeon control using birth control on Texas Tech Campus.
Baton Rouge Advocate. 30 October 2017. No vampires here, but Louisiana could hold key in bat survival — a vitally important task.
KAMC-28 ABC News, Lubbock. 22 February 2021. White-nose syndrome in Texas.
TTU Museum M Magazine. NSRL combines forces with TxDOT to conserve Texas wildlife.

College

Finance committee, 2015 to 2019
Deans Representative to Angelo State University, 2015
Horn Professor Advisory Committee, 2019, 2020, 2021
Research and Graduate Studies Committee, 2019 to present
Third year Renewal and Promotion Committee—Sukhbir Singh

Department

Curriculum committee, 2016 to present
Scholarship Committee, 2018 to present
Third Year Renewal and Promotion Committees
 Dr. Tim Grabowski
 Dr. Blake Grisham
 Dr. Carlos Portillo
 Dr. Nathan Gill
 Dr. Scott Collins