

# Drew R. Davis

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## Academic Appointments:

2024–present	<b>Director</b> , Gennaro Natural History Museum, Department of Biology, Eastern New Mexico University
2023–present	<b>Curator of Herpetology</b> , Natural History Museum, Department of Biology, Eastern New Mexico University
2023–present	<b>Assistant Professor</b> , Department of Biology, Eastern New Mexico University
2023–present	<b>Research Affiliate</b> , Biodiversity Collections, Department of Integrative Biology, The University of Texas at Austin
2018–2022	<b>Associate Research Scientist</b> , School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley
2018–2022	<b>Research Affiliate–Postdoctoral Fellow</b> , Biodiversity Collections, Department of Integrative Biology, The University of Texas at Austin
2018–2021	<b>Research Collaborator</b> , Division of Amphibians and Reptiles, Department of Vertebrate Zoology, National Museum of Natural History, Smithsonian Institution
2018	<b>Adjunct Faculty</b> , Division of Natural & Applied Science, Northern Virginia Community College–Loudoun

## Education:

2012–2018	<b>Ph.D., Biological Sciences</b> : University of South Dakota “The Effects of Agricultural Tile Drainage on Wetland Habitats and Species”
2010–2012	<b>M.S., Population and Conservation Biology</b> : Texas State University “Predator–Prey Interactions in the San Marcos Salamander ( <i>Eurycea nana</i> ): Predator Generalization and Stress Hormones in Response to Introduced Predators”
2005–2009	<b>B.S., Biology (Ecology, Evolution, Behavior)</b> : The University of Texas at Austin “Morphological Variation in the Western Slimy Salamander ( <i>Plethodon albagula</i> )”

## Peer-Reviewed Publications:

student author: <sup>^</sup>high school, <sup>\*</sup>undergraduate, <sup>†</sup>graduate (M.S.), <sup>‡</sup>graduate (Ph.D.)

55. Guerra DA<sup>†</sup>, Esque TC, **Davis DR**, Veech JA. 2025. Home range, seasonality, and the importance of canopy cover for Texas tortoises (*Gopherus berlandieri*). *Herpetologica* 81:224–235.
54. Rooney B (and 286 others, including **Davis DR**). 2025. SNAPSHOT USA 2019–2023: the first five years of data from a coordinated camera trap survey of the United States. *Global Ecology and Biogeography* 34:e13941.
53. Arnott RLW<sup>\*</sup>, Lopez CB<sup>\*</sup>, Rogers MN<sup>\*</sup>, **Davis DR**, Robinson PS<sup>†</sup>, Kline RJ, LaDuc TJ, Zamudio KR, Belasen AM. 2024. Low historical prevalence of the fungal pathogen *Batrachochytrium dendrobatidis* in black-spotted newts (*Notophthalmus meridionalis*) from Texas, USA, and northeastern Mexico. *Herpetological Review* 55:359–362.
52. Christiansen JL, LaDuc TJ, **Davis DR**. 2024. Shell abnormalities in the Sonora mud turtle, *Kinosternon sonoriense*. *Herpetological Review* 55:193–198.
51. **Davis DR**, Genter BW<sup>\*</sup>, LaDuc TJ. 2024. Invasion history of *Tarentola mauritanica* (Squamata: Phyllodactylidae) in the USA, with new records of an established population in Texas. *Reptiles & Amphibians* 31:e21502.
50. Vandeweghe MW, Gutierrez J, **Davis DR**, Forstner MRJ, Mali I. 2024. Patterns of genetic divergence in the Rio Grande cooter (*Pseudemys gorzugi*), a riverine turtle inhabiting an arid and anthropogenically modified system. *Journal of Heredity* 115:253–261.
49. Nachman MW (and 117 others, including **Davis DR**). 2023. Specimen collection is essential for modern science. *PLoS Biology* 21:e3002318.
48. Millikin AR<sup>†</sup>, **Davis DR**, Brown DJ, Woodley S, Coster S, Welsh A, Kerby JL, Anderson JT. 2023. Prevalence of ranavirus in spotted salamander (*Ambystoma maculatum*) larvae from created vernal pools in West Virginia, USA. *Journal of Wildlife Diseases* 59:24–36.
47. Sanjar A<sup>†</sup>, **Davis DR**, Kline RJ. 2023. Evidence of an established population of *Cherax quadricarinatus* (von Martens, 1868) in south Texas, USA. *BioInvasions Records* 12:284–291.

46. Madison JD, Butterfield MM<sup>†</sup>, **Davis DR**, Kerby JL. 2022. Spatial dynamics of false map turtle (*Gratemys pseudogeographica*) bacterial microbiota in the lower Missouri River, United States. *Journal of Herpetology* 56:258–265.
45. Robinson PS<sup>†</sup>, **Davis DR**, Collins SM<sup>†</sup>, Kline RJ. 2022. Defining the current distribution of the imperiled black-spotted newt across south Texas, USA. *Global Ecology and Conservation* 36:e02131.
44. Saeed M, Rais M, Akram A, Williams MR, Kellner KF, Hashsham SA, **Davis DR**. 2022. Development and validation of an eDNA protocol for monitoring endemic Asian spiny frogs in the Himalayan region of Pakistan. *Scientific Reports* 12:5624.
43. Ruppert KM<sup>†</sup>, **Davis DR**, Rahman MS, Kline RJ. 2022. Development and assessment of an environmental DNA (eDNA) assay for a cryptic *Siren* (Amphibia: Sirenidae). *Environmental Advances* 7:100163.
42. Bogolin AP<sup>†</sup>, **Davis DR**, Kline RJ, Rahman FA. 2021. A drone-based survey for large, basking freshwater turtle species. *PLoS ONE* 16:e0257720.
41. **Davis DR**, Allen B<sup>†</sup>. 2020. Effects of the COVID-19 pandemic on herpetologists. *World Congress of Herpetology Newsletter* 1(2):26–31.
40. Siler CD, Freitas ES<sup>†</sup>, Sheridan JA, Maguire SN<sup>†</sup>, **Davis DR**, Watters JL, Wang K<sup>†</sup>, Diesmos AC, Brown RM. 2020. Additions to Philippine slender skinks of the *Brachymeles bonitae* complex (Reptilia: Squamata: Scincidae) IV: resurrection and redescription of *Brachymeles burksi*. *Philippine Journal of Systematic Biology* 14:10.26757/pjsb2020b14005.
39. Skadsen DR, **Davis DR**. 2020. Wood frogs (*Rana sylvatica*) in southwestern Roberts County and western Grant County, South Dakota. *The Prairie Naturalist* 52:31–32.
38. **Davis DR**, Ferguson KJ<sup>†</sup>, Schwarz MS, Kerby JL. 2020. Effects of agricultural pollutants on stress hormones and viral infection in larval salamanders. *Wetlands* 40:577–586.
37. Christiansen JL, **Davis DR**, Jacobson ER, LaDuc TJ. 2020. A potential new shell disease process revealed by a long-term field study of the yellow mud turtle, *Kinosternon flavescens*, in Texas. *Journal of Herpetology* 54:1–8.
36. Smith SN<sup>†</sup>, Watters JL, Ellsworth ED<sup>†</sup>, **Davis DR**, Siler CD. 2019. Assessment of *Batrachochytrium dendrobatidis* and ranavirus among wild amphibians from four Philippine islands. *Herpetological Review* 50:729–734.
35. Millikin AR<sup>†</sup>, Woodley SK, **Davis DR**, Moore IT, Anderson JT. 2019. Water-borne corticosterone and plasma corticosterone are not correlated in spotted salamanders. *Ecology and Evolution* 9:13942–13953.
34. Narayan EJ, Forsburg ZR<sup>†</sup>, **Davis DR**, Gabor CR. 2019. Non-invasive methods for measuring and monitoring stress physiology in imperiled amphibians. *Frontiers in Ecology and Evolution* 7:431.
33. Smith SN<sup>†</sup>, Watters JL, Marhanka EC<sup>†</sup>, McMillin SL<sup>†</sup>, **Davis DR**, Farkas JK<sup>†</sup>, Siler CD. 2019. Investigating ranavirus prevalence in central Oklahoma, USA, amphibians. *Herpetological Review* 50:508–512.
32. **Davis DR**, Farkas JK<sup>†</sup>, Kruisselbrink TR<sup>†</sup>, Watters JL, Ellsworth ED<sup>†</sup>, Kerby JL, Siler CD. 2019. Prevalence and distribution of ranavirus in amphibians from southeastern Oklahoma, USA. *Herpetological Conservation and Biology* 14:360–369.
31. Watters JL, McMillin SL<sup>†</sup>, Marhanka EC<sup>†</sup>, **Davis DR**, Farkas JK<sup>†</sup>, Kerby JL, Siler CD. 2019. Seasonality in *Batrachochytrium dendrobatidis* detection in amphibians in central Oklahoma, USA. *Journal of Zoo and Wildlife Medicine* 50:492–497.
30. Millikin AR<sup>†</sup>, Woodley SK, **Davis DR**, Anderson JT. 2019. Habitat characteristics in created vernal pools impact spotted salamander water-borne corticosterone levels. *Wetlands* 39:803–814.
29. Butterfield MM<sup>†</sup>, **Davis DR**, Madison JD<sup>†</sup>, Kerby JL. 2019. Surveillance of *Ranavirus* in false map turtles (*Gratemys pseudogeographica*) along the lower Missouri River, USA. *Herpetological Review* 50:76–78.
28. **Davis DR**. 2018. Red-bellied snake (*Storeria occipitomaculata*) copulation in South Dakota. *The Prairie Naturalist* 50:72–73.
27. Madison JD<sup>†</sup>, Austin SD<sup>†</sup>, **Davis DR**, Kerby JL. 2018. Bacterial microbiota response in *Gratemys pseudogeographica* to captivity and Roundup<sup>®</sup> exposure. *Copeia* 106:580–588.
26. Watters JL, **Davis DR**, Yuri T, Siler CD. 2018. Concurrent infection of *Batrachochytrium dendrobatidis* and ranavirus among native amphibians from northeastern Oklahoma, USA. *Journal of Aquatic Animal Health* 30:291–301.
25. **Davis DR**. 2018. Mapping amphibians and reptiles of South Dakota. *South Dakota Conservation Digest* 85:34–37.
24. Siler CD, Heitz BB<sup>†</sup>, **Davis DR**, Freitas ES<sup>†</sup>, Aowphol A, Termprayoon K, Grismer LL. 2018. New supple skink, genus *Lygosoma* (Reptilia: Squamata: Scincidae), from Indochina and redescription of *Lygosoma quadrupes* (Linnaeus, 1766). *Journal of Herpetology* 52:332–347.

23. **Davis DR**, LaDuc TJ. 2018. Amphibians and reptiles of C. E. Miller Ranch and the Sierra Vieja, Chihuahuan Desert, Texas, USA. *ZooKeys* 735:97–130. (corrigenda: *ZooKeys* 744:149)
22. Gabor CR, **Davis DR**, Kim DS<sup>†</sup>, Zabierek KC<sup>†</sup>, Bendik NF. 2018. Urbanization is associated with elevated corticosterone in Jollyville Plateau salamanders. *Ecological Indicators* 85:229–235.
21. Siler CD, **Davis DR**, Watters JL, Freitas ES<sup>†</sup>, Griffith OW, Binaday JWB<sup>+</sup>, Lobos AHT<sup>+</sup>, Amarga AKS, Brown RM. 2017. First record of the *Pseudogekko brevipes* Complex from the northern Philippines, with description of a new species. *Herpetologica* 73:162–175.
20. **Davis DR**, DeSantis DL<sup>‡</sup>, Gabor CR. 2017. Antipredator behavior of the Barton Springs salamander (*Eurycea sosorum*) in response to aquatic invertebrates: potential consequences of habitat restoration. *Hydrobiologia* 795:129–137.
19. Marhanka EC<sup>+</sup>, Watters JL, Huron NA<sup>†</sup>, McMillin SL<sup>+</sup>, Winfrey CC<sup>+</sup>, Curtis DJ, **Davis DR**, Farkas JK<sup>†</sup>, Kerby JL, Siler CD. 2017. Detection of high prevalence of *Batrachochytrium dendrobatidis* in amphibians from southern Oklahoma, USA. *Herpetological Review* 48:70–74.
18. Siler CD, **Davis DR**, Diesmos AC, Guinto F, Whitsett C<sup>+</sup>, Brown RM. 2016. A new species of *Pseudogekko* (Squamata: Gekkonidae) from the Romblon Island Group, central Philippines. *Zootaxa* 4139:248–260.
17. **Davis DR**, Geheber AD, Watters JL, Penrod ML<sup>+</sup>, Feller KD, Ashford A<sup>+</sup>, Kouri J<sup>+</sup>, Nguyen D<sup>+</sup>, Shauberg K<sup>+</sup>, Sheatsley K<sup>+</sup>, Winfrey C<sup>+</sup>, Wong R<sup>+</sup>, Sanguila MB, Brown RM, Siler CD. 2016. Additions to Philippine slender skinks of the *Brachymeles bonitae* Complex (Reptilia: Squamata: Scincidae) III: a new species from Tablas Island. *Zootaxa* 4132:30–43.
16. Siler CD, **Davis DR**, Freitas ES, Huron NA, Geheber AD, Watters JL, Penrod ML<sup>+</sup>, Papeş M, Amrein A<sup>+</sup>, Anwar A<sup>+</sup>, Cooper D<sup>+</sup>, Hein T<sup>+</sup>, Manning A<sup>+</sup>, Patel N<sup>+</sup>, Pinaroc L<sup>+</sup>, Diesmos AC, Diesmos ML, Oliveros CH, Brown RM. 2016. Additions to Philippine slender skinks of the *Brachymeles bonitae* Complex (Reptilia: Squamata: Scincidae) II: a new species from the northern Philippines. *Zootaxa* 4132:15–29.
15. Geheber AD<sup>†</sup>, **Davis DR**, Watters JL, Penrod ML<sup>+</sup>, Feller KD, Davey CS<sup>+</sup>, Ellsworth ED<sup>+</sup>, Flanagan RL<sup>+</sup>, Heitz BD<sup>+</sup>, Moore T<sup>+</sup>, Nguyen MDC<sup>+</sup>, Roberts A<sup>+</sup>, Sutton J<sup>+</sup>, Sanguila MB, Linkem CW, Brown RM, Siler CD. 2016. Additions to Philippine slender skinks of the *Brachymeles bonitae* Complex (Reptilia: Squamata: Scincidae) I: a new species from Lubang Island. *Zootaxa* 4132:1–14.
14. Jongsma GFM<sup>†</sup>, Kaya AB, Yoga J-A, Mbega J-D, Mve Beh J-H, Tobi E, Emrich AM, Dixon-MacCallum GP, **Davis DR**, Kerby JL, Blackburn DC. 2016. Widespread presence and high prevalence of *Batrachochytrium dendrobatidis* in Gabon. *Herpetological Review* 47:227–230.
13. Watters JL, Flanagan RL<sup>+</sup>, **Davis DR**, Farkas JK<sup>†</sup>, Kerby JL, Labonte MJ<sup>+</sup>, Penrod ML<sup>+</sup>, Siler CD. 2016. Screening natural history collections for historical presence of *Batrachochytrium dendrobatidis* in anurans from Oklahoma, USA. *Herpetological Review* 47:214–220.
12. Gabor CR, Zabierek KC<sup>†</sup>, Kim DS<sup>†</sup>, Alberici da Barbiano L, Mondelli MJ<sup>†</sup>, Bendik NF, **Davis DR**. 2016. A non-invasive water-borne assay of stress hormones in aquatic salamanders. *Copeia* 104:172–181.
11. **Davis DR**, Kerby JL. 2016. First detection of ranavirus in amphibians from Nebraska, USA. *Herpetological Review* 47:46–50.
10. Diesmos AC, Watters JL, Huron NA<sup>†</sup>, **Davis DR**, Alcala AC, Crombie RI, Afuang LE, Gee-Das G, Sison RV, Sanguila MB, Penrod ML<sup>+</sup>, Labonte MJ<sup>+</sup>, Davey CS<sup>+</sup>, Leone EA, Diesmos ML, Sy EY, Welton LJ, Brown RM, Siler CD. 2015. Amphibians of the Philippines, part I: checklist of the species. *Proceedings of the California Academy of Sciences* 62:457–539.
9. **Davis DR**, Watters JL, Köhler G, Whitsett C<sup>+</sup>, Huron NA<sup>†</sup>, Brown RM, Diesmos AC, Siler CD. 2015. Redescription of the rare Philippine false gecko *Pseudogekko brevipes* (Reptilia: Squamata: Gekkonidae) and description of a new species. *Zootaxa* 4020:357–374.
8. **Davis DR**, Gabor CR. 2015. Behavioral and physiological antipredator responses of the San Marcos salamander, *Eurycea nana*. *Physiology & Behavior* 139:145–149.
7. Siler CD, Welton LJ, **Davis DR**, Watters JL, Davey CS<sup>+</sup>, Diesmos AC, Diesmos ML, Brown RM. 2014. Taxonomic revision of the *Pseudogekko compresicarpus* Complex (Reptilia: Squamata: Gekkonidae), with descriptions of three new species. *Herpetological Monographs* 28:110–139.
6. **Davis DR**, Feller KD, Brown RM, Siler CD. 2014. Evaluating the diversity of Philippine slender skinks of the *Brachymeles bonitae* Complex (Reptilia: Squamata: Scincidae): redescription of *B. tridactylus* and descriptions of two new species. *Journal of Herpetology* 48:480–494.
5. Siler CD, Dececchi TA, Merkord CL, **Davis DR**, Christiani TJ<sup>+</sup>, Brown RM. 2014. Cryptic diversity and population genetic structure in the rare, endemic, forest-obligate, slender geckos of the Philippines. *Molecular Phylogenetics and Evolution* 70:204–209.

4. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. 2013. Chemically mediated predator avoidance in the Barton Springs salamander (*Eurycea sosorum*). *Herpetologica* 69:291–297.
3. Gabor CR, Bosch J, Fries JN, **Davis DR**. 2013. A non-invasive stress assay using water-borne hormones in amphibians. *Amphibia-Reptilia* 34:151–162.
2. **Davis DR**, Epp KJ, Gabor CR. 2012. Predator generalization decreases the effect of introduced fish predators in the San Marcos salamander, *Eurycea nana*. *Ethology* 118:1191–1197.
1. **Davis DR**<sup>\*</sup>, Pauly GB. 2011. Morphological variation among populations of the western slimy salamander on the Edwards Plateau of central Texas. *Copeia* 2011:102–113.

#### Books:

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2. Bell CJ, LaDuc TJ, Scarpetta SG, **Davis DR**, Poteet MF. 2023. Amphibians and Reptiles of the White Family Outdoor Learning Center, Hays County, Texas. Jackson School of Geosciences, The University of Texas at Austin, Austin, Texas. [5] + 92 pp.
1. Kiesow AM, **Davis DR**. 2020. Field Guide to the Amphibians and Reptiles of South Dakota. Second edition. South Dakota Department of Game, Fish and Parks, Pierre, South Dakota. vii + 161 pp.

#### Book Chapters:

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4. **Davis DR**, LaDuc TJ. 2024. Texas' threatened and endangered wildlife. *In* Hatch R (ed.), Texas Almanac 2024–2025, 72<sup>nd</sup> edition, pp. 98–99. Texas State Historical Association, Austin, Texas.
3. **Davis DR**, LaDuc TJ. 2024. Texas wildlife. *In* Hatch R (ed.), Texas Almanac 2024–2025, 72<sup>nd</sup> edition, pp. 75–97. Texas State Historical Association, Austin, Texas.
2. **Davis DR**, LaDuc TJ. 2022. Texas' threatened and endangered wildlife. *In* Hatch R (ed.), Texas Almanac 2022–2023, 71<sup>st</sup> edition, p. 101. Texas State Historical Association, Austin, Texas.
1. **Davis DR**, LaDuc TJ. 2022. Texas wildlife. *In* Hatch R (ed.), Texas Almanac 2022–2023, 71<sup>st</sup> edition, pp. 75–100. Texas State Historical Association, Austin, Texas.

#### Shorter Contributions:

*student author: <sup>^</sup>high school, <sup>\*</sup>undergraduate, <sup>†</sup>graduate (M.S.), <sup>‡</sup>graduate (Ph.D.)*

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95. Power JG, **Davis DR**. 2025. Tail trifurcation in *Hemidactylus* aff. *malcolmsmithi* in southern Mississippi, USA. *Herpetology Notes* 18:677–678.
94. Summo Elias SD<sup>†</sup>, Freitas KA, Travieso RE, **Davis DR**. 2024. *Phelsuma grandis* (Madagascar giant day gecko). Diet. *Herpetological Review* 55:569.
93. Green KE<sup>\*</sup>, **Davis DR**. 2024. *Rana pipiens* (northern leopard frog). Defensive behavior. *Herpetological Review* 55:549–550.
92. Green KE<sup>\*</sup>, **Davis DR**. 2024. Historic amphibian and reptile records from the Natural History Museum, Eastern New Mexico University. *Herpetological Review* 55:531–532.
91. **Davis DR**, Guadiana CJ, Robinson PS<sup>†</sup>, Genter BW<sup>\*</sup>, LaDuc TJ. 2024. Geographic distribution: *Hemidactylus* aff. *malcolmsmithi*. *Herpetological Review* 55:519.
90. **Davis DR**, Guadiana CJ. 2024. Geographic distribution: *Hemidactylus garnotii* (Indo-Pacific house gecko). *Herpetological Review* 55:518.
89. Green KE<sup>\*</sup>, Power JG, **Davis DR**. 2024. *Osteopilus septentrionalis* (Cuban treefrog). Predation. *Herpetological Review* 55:411–412.
88. Hutcherson ZA<sup>\*</sup>, Green KE<sup>\*</sup>, Summo Elias SD<sup>†</sup>, **Davis DR**. 2024. Geographic distribution: *Hemidactylus turcicus* (Mediterranean gecko). *Herpetological Review* 55:371–372.
87. Summo Elias SD<sup>†</sup>, **Davis DR**. 2024. *Tantilla nigriceps* (plains black-headed snake). Predation. *Herpetological Review* 55:290–291.
86. Mirtl JJ, Genter BW<sup>\*</sup>, Truelock Z, Sargent BA, **Davis DR**, Engbrecht NJ. 2024. Geographic distribution: *Podarcis muralis* (common wall lizard). *Herpetological Review* 55:219.
85. Summo Elias SD<sup>†</sup>, Cuevas-Hernandez J<sup>†</sup>, **Davis DR**. 2024. Geographic distribution: *Hemidactylus mabouia* (wood slave). *Herpetological Review* 55:218–219.
84. **Davis DR**, Genter BW<sup>\*</sup>. 2024. Geographic distribution: *Cyrtopodion scabrum* (rough-tailed gecko). *Herpetological Review* 55:218.

83. Davis RL<sup>\*</sup>, **Davis DR**. 2024. *Terrapene ornata* (ornate box turtle). Diet. Herpetological Review 55:88–89.
82. Gonzalez JT<sup>\*</sup>, Genter BW<sup>\*</sup>, **Davis DR**. 2023. Geographic distribution: *Pituophis catenifer* (gophersnake). Herpetological Review 54:602.
81. Guadiana CJ, Warfel TS, **Davis DR**. 2023. Geographic distribution: *Opheodrys aestivus* (rough greensnake). Herpetological Review 54:601.
80. Schalk MJ, Troiani D, **Davis DR**. 2023. Geographic distribution: *Sceloporus cyanogenys* (blue spiny lizard). Herpetological Review 54:596–597.
79. **Davis DR**, Pons, Jr MB. 2023. Geographic distribution: *Eleutherodactylus planirostris* (greenhouse frog). Herpetological Review 54:592.
78. Guadiana CJ, **Davis DR**. 2023. Geographic distribution: *Eleutherodactylus campi* (Rio Grande chirping frog). Herpetological Review 54:591.
77. Genter BW<sup>\*</sup>, LaDuc TJ, **Davis DR**. 2023. *Crotalus scutulatus* (Mohave rattlesnake). Defensive behavior. Herpetological Review 54:482.
76. **Davis DR**, Pons Jr MB. 2022. *Phrynosoma cornutum* (Texas horned lizard). Arboreality. Herpetological Review 53:683–684.
75. **Davis DR**. 2022. Additional anuran distribution records from southeastern South Dakota, USA. Herpetological Review 53:634–635.
74. Genter BW<sup>\*</sup>, **Davis DR**. 2022. Geographic distribution: *Hemidactylus turcicus* (Mediterranean gecko). Herpetological Review 53:629.
73. **Davis DR**, Dickerson BE. 2022. *Thamnophis radix* (plains gartersnake). Diet. Herpetological Review 53:523.
72. **Davis DR**. 2022. Geographic distribution: *Spea bombifrons* (plains spadefoot). Herpetological Review 53:440.
71. **Davis DR**. 2022. *Eleutherodactylus cystignathoides* (Rio Grande chirping frog). Aberrant coloration and polydactyly. Herpetological Review 53:286–287.
70. Genter BW<sup>\*</sup>, **Davis DR**. 2022. Geographic distribution: *Haldea striatula* (rough earthsnake). Herpetological Review 53:264.
69. **Davis DR**, Miller B, LaDuc TJ. 2022. *Crotalus scutulatus* (Mohave rattlesnake). Climbing behavior and thermal refugium. Herpetological Review 53:145–146.
68. Robinson PS<sup>†</sup>, **Davis DR**, Kline RJ. 2022. *Notophthalmus meridionalis* (black-spotted newt). Albinism. Herpetological Review 53:99–100.
67. **Davis DR**, Guadiana CJ. 2022. New records of amphibians and reptiles from south-central South Dakota, USA. Herpetological Review 53:90–92.
66. **Davis DR**. 2021. *Anolis sagrei* (brown anole). Aquatic escape behavior. Herpetological Review 52:853–854.
65. **Davis DR**. 2021. New distributional records of amphibians and reptiles from the Western Gulf Coastal Plain of Texas, USA. Herpetological Review 52:807–809.
64. **Davis DR**. 2021. Geographic distribution: *Anolis carolinensis* (green anole). Herpetological Review 52:795.
63. Guadiana CJ, **Davis DR**. 2021. Geographic distribution: *Salvadora grahamiae* (eastern patch-nosed snake). Herpetological Review 52:580.
62. **Davis DR**, Robinson PS<sup>†</sup>, LaDuc TJ. 2021. *Kinosternon flavescens* (yellow mud turtle). Reproduction. Herpetological Review 52:391–392.
61. Salmon GT, **Davis DR**. 2021. Geographic distribution: *Tropidoclonion lineatum* (lined snake). Herpetological Review 52:348–349.
60. **Davis DR**. 2021. New amphibian and reptile distribution records from eastern South Dakota, USA. Herpetological Review 52:97–99.
59. **Davis DR**, Schardin B. 2020. *Opheodrys vernalis* (smooth greensnake). Predation. Herpetological Review 51:874.
58. Guadiana CJ, Robinson PS<sup>†</sup>, Schalk MS, **Davis DR**. 2020. New county records of amphibians and reptiles from south Texas, USA. Herpetological Review 51:799–803.
57. **Davis DR**. 2020. Geographic distribution: *Heterodon nasicus* (plains hog-nosed snake). Herpetological Review 51:780.
56. **Davis DR**, McElroy OD, Skadsen DR. 2020. Geographic distribution: *Rana sylvatica* (wood frog). Herpetological Review 51:770–771.

55. Oyervides M, Sosa-Gutierrez CG, **Davis DR**. 2020. Geographic distribution: *Ophisaurus attenuatus* (slender glass lizard). *Herpetological Review* 51:541.
54. Robinson PS<sup>†</sup>, **Davis DR**, Kline RJ. 2020. Geographic distribution: *Notophthalmus meridionalis* (black-spotted newt). *Herpetological Review* 51:531.
53. **Davis DR**. 2020. Frogs and toads of South Dakota. *South Dakota Conservation Kids* 87(2):2–3.
52. Robinson PS<sup>†</sup>, **Davis DR**. 2020. *Masticophis flagellum* (coachwhip). Diet. *Herpetological Review* 51:148.
51. **Davis DR**, Skadsen DR. 2020. Distributional records of amphibians and reptiles from the Prairie Coteau, South Dakota, USA. *Herpetological Review* 51:89–90.
50. Rash RS, **Davis DR**. 2020. Geographic distribution: *Rana sphenocephala* (southern leopard frog). *Herpetological Review* 51:71–72.
49. Bogolin AP<sup>†</sup>, **Davis DR**, Rahman AF. 2019. *Pseudemys gorzugi* (Rio Grande cooter). Predation. *Herpetological Review* 50:775.
48. **Davis DR**, Farkas JK<sup>†</sup>. 2019. *Chrysemys picta* (painted turtle). Basking behavior. *Herpetological Review* 50:770.
47. **Davis DR**. 2019. Geographic distribution: *Hemidactylus turcicus* (Mediterranean gecko). *Herpetological Review* 50:746–747.
46. Bogolin AP<sup>†</sup>, **Davis DR**, Ruppert KM<sup>†</sup>, Kline RJ, Rahman AF. 2019. Geographic distribution: *Pseudemys gorzugi* (Rio Grande cooter). *Herpetological Review* 50:745.
45. Ruppert KM<sup>†</sup>, **Davis DR**. 2019. Geographic distribution: *Eleutherodactylus cystignathoides* (Rio Grande chirping frog). *Herpetological Review* 50:744.
44. **Davis DR**, Turner T, Marbach KM, Crump PS, Kline RJ. 2019. Geographic distribution: *Siren intermedia* (lesser siren). *Herpetological Review* 50:520.
43. **Davis DR**, Backlund DC. 2019. *Rana pipiens* (northern leopard frog). Predation. *Herpetological Review* 50:342–343.
42. Farkas JK<sup>†</sup>, **Davis DR**. 2019. Geographic distribution: *Apalone mutica* (smooth softshell). *Herpetological Review* 50:323–324.
41. **Davis DR**, LaDuc TJ. 2019. Geographic distribution: *Hemidactylus* aff. *parvimaculatus* (Sri Lankan house gecko). *Herpetological Review* 50:102.
40. **Davis DR**, Ruppert KM<sup>†</sup>, Kline RJ. 2019. Geographic distribution: *Siren intermedia* (lesser siren). *Herpetological Review* 50:95–96.
39. **Davis DR**. 2018. Distributional records of amphibians and reptiles from the lower James River Valley, South Dakota, USA. *Herpetological Review* 49:720–721.
38. Barron II JC<sup>\*</sup>, Gotte SW, Collette BB, McDiarmid RW, Mulcahy DG, **Davis DR**. 2018. Geographic distribution: *Scaphiopus holbrookii* (eastern spadefoot). *Herpetological Review* 49:710.
37. **Davis DR**, Farkas JK<sup>†</sup>. 2018. New county records of amphibians and reptiles from South Dakota, USA from 2017. *Herpetological Review* 49:288–295.
36. **Davis DR**. 2018. Geographic distribution: *Heterodon platirhinos* (eastern hog-nosed snake). *Herpetological Review* 49:76.
35. Austin SD<sup>\*</sup>, Kerby JL, **Davis DR**. 2017. Distributional records of amphibians and reptiles from Lake Oahe, South Dakota, USA. *Herpetological Review* 48:817–820.
34. **Davis DR**, Cardwell MD. 2017. *Crotalus scutulatus* (Mohave rattlesnake). Arboreality and climbing behavior. *Herpetological Review* 48:670–671.
33. **Davis DR**, LaDuc TJ. 2017. *Scaphiopus couchii* (Couch's spadefoot). Aggregation. *Herpetological Review* 48:613.
32. Tegge SM<sup>†</sup>, **Davis DR**. 2017. Geographic distribution: *Spea bombifrons* (plains spadefoot). *Herpetological Review* 48:586–587.
31. **Davis DR**, LaDuc TJ. 2017. *Hypsiglena jani* (Chihuahuan nightsnake). Diet and prey size. *Herpetological Review* 48:450–451.
30. **Davis DR**, Farkas JK<sup>†</sup>, Dahlhoff MW, Kerby JL. 2017. *Coluber constrictor* (North American racer). Predation. *Herpetological Review* 48:446–447.
29. **Davis DR**, Farkas JK<sup>†</sup>, Johannsen RE<sup>\*</sup>, Maltaverne GA<sup>\*</sup>. 2017. Historic amphibian and reptile county records from South Dakota, USA. *Herpetological Review* 48:394–406.
28. **Davis DR**, Backlund DC. 2017. *Chelydra serpentina* (snapping turtle). Diet. *Herpetological Review* 48:174–175.



27. **Davis DR**, Farkas JK<sup>†</sup>, Johannsen RE<sup>\*</sup>, Leonard KM<sup>\*</sup>, Kerby JL. 2017. Distributional records of amphibians and reptiles from South Dakota, USA. *Herpetological Review* 48:133–137.
26. **Davis DR**, Zimmer MB. 2017. Geographic distribution: *Opheodrys vernalis* (smooth greensnake). *Herpetological Review* 48:129–130.
25. Farkas JK<sup>†</sup>, **Davis DR**. 2017. Geographic distribution: *Apalone spinifera* (spiny softshell). *Herpetological Review* 48:122.
24. Farkas JK<sup>†</sup>, **Davis DR**. 2017. Geographic distribution: *Ambystoma laterale* (blue-spotted salamander). *Herpetological Review* 48:117.
23. **Davis DR**, Jackson LM<sup>†</sup>, Siddons SR<sup>†</sup>, Kerby JL. 2016. *Rana blairi* (plains leopard frog). Reproduction. *Herpetological Review* 47:648.
22. **Davis DR**, Dilliard KA. 2016. Historic amphibian and reptile county records from the A. Jewell Schock Museum of Natural History at Wayne State College. *Herpetological Review* 47:635–637.
21. **Davis DR**. 2016. Geographic distribution: *Thamnophis sirtalis* (common gartersnake). *Herpetological Review* 47:429.
20. **Davis DR**. 2016. Geographic distribution: *Coluber constrictor* (North American racer). *Herpetological Review* 47:425–426.
19. **Davis DR**. 2016. Geographic distribution: *Pseudacris maculata* (boreal chorus frog). *Herpetological Review* 47:420.
18. **Davis DR**, Ferguson KJ<sup>\*</sup>, Koch AD<sup>\*</sup>, Berg EA<sup>\*</sup>, Vlcek JR<sup>\*</sup>, Kerby JL. 2016. New amphibian and reptile county records from eastern South Dakota, USA. *Herpetological Review* 47:267–270.
17. Johannsen RE<sup>\*</sup>, Kerby JL, **Davis DR**. 2016. Geographic distribution: *Coluber constrictor* (North American racer). *Herpetological Review* 47:261.
16. Johannsen RE<sup>\*</sup>, Kerby JL, **Davis DR**. 2016. Geographic distribution: *Sceloporus consobrinus* (prairie lizard). *Herpetological Review* 47:260.
15. **Davis DR**, Davis DL. 2016. Geographic distribution: *Hemidactylus turcicus* (Mediterranean gecko). *Herpetological Review* 47:81.
14. **Davis DR**, Sanguila MB, Brown JC, Brown RM, Cobb KA, Bergmann P, Morinaga G, Huron NA<sup>†</sup>, Watters JL, Siler CD. 2015. *Pseudogekko ditoy* (Leyte diminutive false gecko). Morphology. *Herpetological Review* 46:634–635.
13. Stewart JW, **Davis DR**. 2015. Geographic distribution: *Thamnophis radix* (plains gartersnake). *Herpetological Review* 46:222.
12. Siddons SR<sup>†</sup>, Millikin AR<sup>†</sup>, **Davis DR**. 2015. Geographic distribution: *Coluber constrictor* (North American racer). *Herpetological Review* 46:218–219.
11. Millikin AR<sup>†</sup>, Koch AD<sup>\*</sup>, **Davis DR**. 2014. Geographic distribution: *Chrysemys picta* (painted turtle). *Herpetological Review* 45:656.
10. Owen JD<sup>\*</sup>, Marshall TL<sup>\*</sup>, **Davis DR**. 2014. Geographic distribution: *Eleutherodactylus (Syrrhophus) marnockii* (cliff chirping frog). *Herpetological Review* 45:652.
9. **Davis DR**, Siddons SR<sup>†</sup>, Kerby JL. 2014. New amphibian and reptile county records from eastern Nebraska, USA. *Herpetological Review* 45:99–100.
8. Munes RJ<sup>†</sup>, **Davis DR**. 2014. Geographic distribution: *Apalone mutica* (smooth softshell). *Herpetological Review* 45:88.
7. **Davis DR**, Kerby JL. 2013. Establishing a herpetological natural history collection at the University of South Dakota. *Dakota Amphibian and Reptile News* 6:9.
6. **Davis DR**, Kerby JL, Schwarz MS. 2013. Evaluation of agricultural tile drainage exposure and effects on wetland communities. *Dakota Amphibian and Reptile News* 6:7.
5. **Davis DR**. 2013. Geographic distribution: *Lampropeltis calligaster* (yellow-bellied kingsnake). *Herpetological Review* 44:275.
4. **Davis DR**, DeSantis DL<sup>\*</sup>. 2012. Geographic distribution: *Pantherophis slowinskii* (Slowinski's cornsnake). *Herpetological Review* 43:449. (erratum: *Herpetological Review* 43:623)
3. **Davis DR**, Kim DS<sup>†</sup>, Neelon DP<sup>†</sup>. 2012. Geographic distribution: *Nerodia fasciata* (southern watersnake). *Herpetological Review* 43:449.
2. **Davis DR**<sup>\*</sup>, LaDuc TJ. 2011. *Crotalus viridis* (prairie rattlesnake). Diet. *Herpetological Review* 42:99.
1. **Davis DR**<sup>\*</sup>, Box B, Hibbitts TJ. 2008. *Trimorphodon wilkinsonii* (Chihuahuan lyre snake). Arboreal behavior. *Herpetological Review* 39:102.

## Technical Reports:

student author: ^high school, \*undergraduate, †graduate (M.S), ‡graduate (Ph.D.)

11. Kuschel JE<sup>†</sup>, **Davis DR**. 2025. Using environmental DNA (eDNA) to survey for imperiled snakes in New Mexico. Interim report to New Mexico Department of Game and Fish. 25 pp.
10. **Davis DR**, Robinson PS<sup>†</sup>, Collins SM<sup>†</sup>, Helman CR, Rahman AF, Kline RJ. 2023. Assessment of available habitat and occurrence of the black-spotted newt (*Notophthalmus meridionalis*) in Texas. Final report to Texas Comptroller of Public Accounts. 125 pp.
9. **Davis DR**. 2021. Surveys for the state-threatened eastern hog-nosed snake (*Heterodon platirhinos*) in south-central South Dakota. Final report to South Dakota Department of Game, Fish and Parks. 34 pp.
8. **Davis DR**. 2020. New resources and continued engagement to better inform the public on the amphibians and reptiles of South Dakota. Final report to South Dakota Department of Game, Fish and Parks. 38 pp.
7. **Davis DR**, Bogolin AP<sup>†</sup>, Rahman MS, Kline RJ, Rahman AF. 2020. Development and application of a novel suite of field survey methods to inform conservation of the Rio Grande cooter, *Pseudemys gorzugi*. Final report to Texas Comptroller of Public Accounts. 89 pp.
6. **Davis DR**. 2020. Amphibians and Reptiles of South Dakota website report: 2019. Final report to South Dakota Department of Game, Fish and Parks. 14 pp.
5. Kerby JL, **Davis DR**, Kase AC. 2019. Surveys for false map turtles and identification of key nesting sites in the Upper Missouri River of South Dakota. Final report to South Dakota Department of Game, Fish and Parks. 9 pp.
4. Schwarz MS, **Davis DR**, Kerby JL. 2018. An evaluation of agricultural tile drainage exposure and effects to wetland species and habitat within Madison Wetland Management District, South Dakota. Final report to U.S. Fish and Wildlife Service. xv + 242 pp.
3. **Davis DR**. 2018. Surveys for the state-endangered lined snake (*Tropidoclonion lineatum*) along the lower James River valley. Final report to South Dakota Department of Game, Fish and Parks. 25 pp.
2. **Davis DR**, Smith CE, Becker D. 2018. Creating online resources to engage South Dakota citizens in amphibian and reptile identification, distribution, and conservation. Final report to South Dakota Department of Game, Fish and Parks. 49 pp.
1. **Davis DR**. 2014. Detection of the lined snake (*Tropidoclonion lineatum*) in the Cactus Hills area of South Dakota. Final report to HDR, Inc. 15 pp.

## Manuscripts, in press and in review:

student author: ^high school, \*undergraduate, †graduate (M.S), ‡graduate (Ph.D.)

8. Myers CJ<sup>\*</sup>, **Davis DR**. *In press*. *Terrapene ornata* (ornate box turtle). Diet. Herpetological Review.
7. Guadiana CJ, Williams JT, Elmore KL, Wells N, **Davis DR**. *In press*. Geographic distribution: *Eleutherodactylus campii* (Rio Grande chirping frog). Herpetological Review 56.
6. Summo Elias SD<sup>†</sup>, **Davis DR**. *In review*. *Thamnophis proximus* (western ribbonsnake). Diet. Herpetological Review.
5. Kuschel JE<sup>†</sup>, Guadiana CJ, **Davis DR**. *In review*. *Coniophanes imperialis* (regal black-striped snake). Diet. Herpetological Review.
4. Salmon GT, Genter BW<sup>\*</sup>, **Davis DR**. *In press*. *Nerodia erythrogaster* (plain-bellied watersnake). Mortality. Herpetological Review.
3. Genter BW<sup>\*</sup>, **Davis DR**. *In review*. First records of *Hemidactylus* aff. *malcolmsmithi* in Florida and Alabama, USA. Florida Scientist.
2. Genter BW<sup>\*</sup>, **Davis DR**. *In review*. Geographic distribution: *Hemidactylus mabouia* (wood slave). Herpetological Review.
1. Guerra DA<sup>†</sup>, Veech JA, **Davis DR**. *In review*. Novel use of path analysis to investigate the effects of weather on movement: an examination of a slow-moving ectotherm's movement patterns. Oikos.

## Manuscripts, in prep:

student author: ^high school, \*undergraduate, †graduate (M.S), ‡graduate (Ph.D.)

5. Myers CJ<sup>\*</sup>, **Davis DR**. *In prep*. *Crotalus atrox* (western diamond-backed rattlesnake). Diet. Herpetological Review.
4. **Davis DR**, Green KE<sup>†</sup>, Guadiana CJ, Pons, Jr MB, LaDuc TJ. *In prep*. Distribution of introduced *Hemidactylus* (Gekkonidae: Squamata) in south Texas, USA. Southwestern Naturalist.
3. Kuschel JE<sup>†</sup>, Guadiana CJ, **Davis DR**. *In prep*. Identification of an established population of the non-native Mesoamerican Slider (*Trachemys venusta*) in Brownsville, Texas, USA. Reptiles & Amphibians.



2. Bogolin AP<sup>†</sup>, **Davis DR**, Robinson PS<sup>†</sup>, Kline RJ, Rahman AF. *In prep.* Comparison of drone-based and traditional methods to survey freshwater turtles. Conservation Biology.
1. **Davis DR**, Schwarz MS, Snow DD, Kerby JL. *In prep.* Wetlands associated with agricultural tile drainage exhibit higher contaminant loads and decreased invertebrate diversity. Biological Conservation.

## Research Grants:

total awarded: \$1,000,401

34. Elucidating the distribution of newly documented species of New Mexico's native herpetofauna (Principal Investigator); Eastern New Mexico University, Faculty Research and Instructional Development Grant (\$5,000); June 2025
33. Using environmental DNA (eDNA) to survey for imperiled reptiles in New Mexico (Principal Investigator); New Mexico Department of Game and Fish, Share with Wildlife (\$101,791); August 2024
32. Increasing our understanding of the Rio Grande Cooter to inform future recovery options (Principal Investigator); Pecos Watershed Conservation Initiative, National Fish and Wildlife Federation (\$474,309); July 2024
31. Surveys for the imperiled Smooth Softshell in the Canadian River of New Mexico (Principal Investigator); Eastern New Mexico University, Faculty Research and Instructional Development Grant (\$5,000); May 2024
30. Assessing the distribution and conservation status of imperiled aquatic turtles in southwestern Indiana (Principal Investigator); Indiana Department of Natural Resources, State Wildlife Grant (\$154,467); December 2023
29. Validating a distribution model for the Western Ribbonsnake in New Mexico (Principal Investigator); New Mexico Department of Game and Fish, State Wildlife Grant (\$36,000); October 2023
28. Comparing novel and traditional survey methods to detect the Smooth Softshell (*Apalone mutica*) in New Mexico (Principal Investigator); Eastern New Mexico University, Faculty Research and Instructional Development Grant (\$5,000); May 2023
27. Range-wide survey with ecological and genetic characterization of the Rough-footed Mud Turtle (*Kinosternon hirtipes*) (Co-Principal Investigator); Texas Parks and Wildlife Department, State Wildlife Grant (\$130,057); June 2022
26. Characterizing the genetic makeup of lined snakes (*Tropidoclonion lineatum*) in South Dakota (Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Diversity Small Grants (\$7,000); March 2022
26. Surveys for the state-threatened Eastern Hog-nosed Snake (*Heterodon platirhinos*) in south-central South Dakota (Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Diversity Small Grants (\$5,000); March 2021
25. New resources and continued engagement to better inform the public on the amphibians and reptiles of South Dakota (Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Diversity Small Grants (\$5,000); March 2020
24. Revising the *Field Guide to Amphibians and Reptiles of South Dakota* (Principal Investigator); South Dakota Game, Fish and Parks (\$5,000); July 2019
23. A re-investigation of the corn snakes (*Pantherophis guttatus* complex) in Texas using genomics and morphology (Co-Principal Investigator); Texas Herpetological Society, Grants-in-Herpetology (\$500); October 2018
22. Surveys for the state-endangered Lined Snake (*Tropidoclonion lineatum*) along the lower James River valley (Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Diversity Small Grants (\$4,995); March 2018
21. Understanding the effects of the herbicide glyphosate on the microbiome of the False Map Turtle (Principal Investigator); University of South Dakota, Research and Creative Activity Grant (\$750); November 2017
20. Creating online resources to engage South Dakota citizens in amphibian and reptile identification and conservation (Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Diversity Small Grants (\$3,749); March 2017
19. Amphibian and reptile surveys in remnant prairies in southeastern South Dakota, with special emphasis on state monitored species (Principal Investigator); Prairie Biotic Research, Inc., Small Grants Program (\$1,000); March 2017
18. Determining co-infection rates of two pathogens in Philippine amphibians (Principal Investigator); University of South Dakota, Research and Creative Activity Grant (\$750); November 2016
17. Surveys for False Map Turtles and identification of key nesting sites in the upper Missouri River of South Dakota (Co-Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Action Grant (\$148,287); August 2016
16. Estimating the prevalence of ranaviruses in Philippine amphibians (Principal Investigator); University of South Dakota, Research and Creative Activity Grant (\$500); December 2015
15. Habitat associations of the Ring-necked Snake (*Diadophis punctatus*) in Nebraska and South Dakota (Co-Principal Investigator); Nebraska Herpetological Society, Herpetological Grant Program (\$500); April 2015
14. Establishing a protocol to culture ranaviruses at the University of South Dakota (Principal Investigator); University of South Dakota, Research and Creative Activity Grant (\$500); November 2014

13. Effects of agricultural contaminants and ranavirus infection on stress hormone levels in the Plains Leopard Frog, *Rana blairi* (Co-Principal Investigator); University of South Dakota, CURCS (\$750); November 2014
12. Status of salamander species in South Dakota (Co-Principal Investigator); South Dakota Game, Fish and Parks, Wildlife Action Grant (\$44,701); February 2014
11. Impacts of agricultural tile drainage on viral pathogen prevalence in native amphibians (Principal Investigator); University of South Dakota, Research and Creative Activity Grant (\$500); December 2013
10. Examining the association of ranavirus infection and agricultural influence in Eastern Tiger Salamanders (Principal Investigator); American Society of Ichthyologists and Herpetologists, Gaige Award (\$500); May 2013
9. Examining the prevalence of ranaviruses in amphibians from northeast Nebraska (Principal Investigator); Herpetological Society, Herpetological Grant Program (\$500); April 2013
8. Antipredator behavior and stress of an aquatic salamander in response to invertebrate predators (Principal Investigator); Texas Academy of Science, Research Proposal Award (\$2,000); March 2012
7. *Gambusia* predation on Central Texas *Eurycea* salamander eggs and larvae (Co-Principal Investigator); Texas State University, Francis Rose Research Award (\$700); March 2012
6. Behavioral response of a neotenic salamander to chemical stimuli of novel congeners (Co-Principal Investigator); Texas State University, Student Undergraduate Research Fund (\$1,000); November 2011
5. Do introduced predators differentially influence the behavior and physiological stress response of the threatened San Marcos Salamander, *Eurycea nana*? (Principal Investigator); Southwestern Association of Naturalists, McCarley Research Award (\$1,000); April 2011
4. Do introduced predators differentially influence the behavior and physiological stress response of the threatened San Marcos Salamander, *Eurycea nana*? (Principal Investigator); Texas Herpetological Society, Grants-in-Herpetology (\$500); April 2011
3. Predator recognition of the Fern Bank Salamander, *Eurycea pterophila* (Principal Investigator); Texas State University, Francis Rose Research Award (\$500); March 2011
2. Morphological variation between disjunct populations of *Plethodon albagula* (Principal Investigator); University Co-op, Undergraduate Research Fellowship (\$1,000); April 2009
1. Morphological variation between disjunct populations of *Plethodon albagula* (Principal Investigator); Texas Academy of Science, Undergraduate Proposal Award (\$1,000); April 2009

#### Research Grants, submitted:

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1. Antimicrobial properties of skin mucus peptides from poorly understood caecilians (Amphibia: Gymnophiona) (Principal Investigator); New Mexico IDeA Networks of Biomedical Research Excellence, Developmental Research Project (\$50,000); June 2025

#### Graduate Students Supervised (Committee Chair):

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5. Spencer J. Duffendack: *thesis title pending*; August 2025–present (Thesis Committee Co-Chair)
4. Jacob E. Kuschel: Examining the distribution of two imperiled snakes in New Mexico using environmental DNA; Eastern New Mexico University; January 2025–present (Thesis Committee Chair)
3. Zoe A. Hutcherson: Using eDNA to assess the distribution of the Rio Grande Cooter (*Pseudemys gorzugi*) in the Pecos River; Eastern New Mexico University; January 2025–present (Thesis Committee Chair)
2. Kevin E. Green: Assessing the distribution and conservation status of imperiled aquatic turtles in southwestern Indiana; Eastern New Mexico University; May 2025–present (Thesis Committee Chair)
1. Sebastian Summo Elias: Assessing the distribution of the Western Ribbonsnake in New Mexico; Eastern New Mexico University; January 2024–present (Thesis Committee Chair)

#### Graduate Students Supervised (Committee Member):

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12. Kayla J. Branham: *title pending*; Eastern New Mexico University; April 2025–present (Thesis Committee Member)
11. Cecily Yandell: *title pending*; Eastern New Mexico University; February 2025–present (Thesis Committee Member)
10. Jodie L. Montgomery: Assessing the impact of severe wildfires on stream macroinvertebrate communities: evaluating beaver ponds as a natural mitigation strategy in northern New Mexico; Eastern New Mexico University; January 2025–present (Thesis Committee Member)

9. Makenzie S. Drake: Determining the effects of dry cow heat stress mitigation on calf productivity; Eastern New Mexico University; August 2024–*present* (Thesis Committee Member)
8. Felix Kwesi Bofo: Microbiome of liver abscesses in cattle from the High Plains Region of the Texas Panhandle: a comparative study; Eastern New Mexico University; January 2024–*present* (Thesis Committee Member)
7. Stephen Murphy: The relationship between predator and prey size in robber flies (Diptera: Asilidae) with differing feeding location behaviors; Eastern New Mexico University; March 2024–May 2025 (Thesis Committee Member)
6. Daniel A. Guerra: Investigating home range size, movement, habitat use, and thermal ecology of the Texas Tortoise (*Gopherus berlandieri*) in south Texas; Texas State University; January 2022–December 2024 (Dissertation Committee Member)
5. Sean M. Collins: Application of an environmental DNA (eDNA) metabarcoding assay to characterize amphibian communities in south Texas, USA; The University of Texas Rio Grande Valley; August 2020–August 2022 (Thesis Committee Member)
4. Rebecca T. Chastain: Modeling the potential impact of climate change on *Eleutherodactylus cystignathoides* and *E. planirostris*; The University of Texas Rio Grande Valley; April 2021–May 2022 (Thesis Committee Member)
3. Padraic S. Robinson: Distribution and status of Black-spotted Newts in Texas; The University of Texas Rio Grande Valley; May 2019–May 2021 (Thesis Committee Member)
2. Krista M. Ruppert: Environmental DNA use for the detection of the Rio Grande Siren and other amphibians of conservation concern; The University of Texas Rio Grande Valley; September 2018–July 2020 (Thesis Committee Member)
1. Amy P. Bogolin: Development and application of a novel suite of field survey methods to inform conservation of the Rio Grande Cooter, *Pseudemys gorzugi*; The University of Texas Rio Grande Valley; September 2018–May 2020 (Thesis Committee Member)

#### Undergraduate Students Supervised:

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16. Caden J. Myers: Diet of non-native Moorish Geckos (*Tarentola mauritanica*; Phyllodactylidae) in Texas, USA; University of Florida; May 2025–*present*
15. Andy R. Gilliam: Understanding the distribution and threats to amphibians along the Pecos and Canadian rivers of eastern New Mexico; Eastern New Mexico University; May–August 2024
14. Reagan N. Moritomo: Behavioral responses of explosive-breeding anurans to invertebrate predators; Eastern New Mexico University; January 2024–May 2025
13. Kevin E. Green: Prevalence of two amphibian pathogens in non-native caecilians established in Miami, Florida; Eastern New Mexico University; June 2024–May 2025  
Examining morphological variation among disjunct populations of the Greater Earless Lizard (*Cophosaurus texanus*) in New Mexico; Eastern New Mexico University; January–May 2024
12. Zoe A. Hutcherson: Examining range expansion of the non-native Mediterranean Gecko (*Hemidactylus turcicus*) across New Mexico and west Texas; Eastern New Mexico University; January 2024–December 2024
11. Joshua T. Gonzalez: Mapping the distribution of the Smooth Softshell (*Apalone mutica*) in the Canadian River; Eastern New Mexico University; January–December 2023
10. Benjamin W. Genter: Investigating range expansions for non-native amphibians and reptiles in the southeastern US; University of Florida; May 2023–*present*  
Updating the distributions of amphibians and reptiles in Indiana, USA; Columbus High School, Columbus, Indiana; January 2022–May 2023
9. Shaylyn D. Austin: Effects of acute exposure of glyphosate on the microbiome of False Map Turtles (*Graptemys pseudogeographica*); University of Michigan (REU: Sustainable RIVER); May–August 2017
8. Maddie M. Butterfield: Characterization of the cloacal microbiome and ranavirus prevalence in False Map Turtles in the Missouri River, South Dakota; University of South Dakota (U. Discover Scholar); April 2017–May 2019
7. Kalie M. Leonard: The effects of the neonicotinoid clothianidin on larval Western Tiger Salamanders; University of South Dakota (U. Discover Scholar); February 2015–August 2017
6. Rachel E. Johannsen: Updating the distributions of amphibians and reptiles in South Dakota; University of South Dakota (U. Discover Scholar); November 2014–May 2017
5. Andrew D. Koch: Effects of agricultural contaminants and ranavirus infection on stress hormone levels in Plains Leopard Frogs, *Rana blairi*; University of South Dakota (CURCS recipient); January 2014–April 2015

4. Gabrielle A. Maltaverne: Establishing amphibian and reptile teaching collections at South Dakota State University and Oak Lake Field Station; South Dakota State University; May 2013–December 2016
3. Katie J. Ferguson: Examining the influence of agricultural tile drainage on water-borne hormone levels of Western Tiger Salamanders, *Ambystoma mavortium*; University of South Dakota (U. Discover Scholar); January 2013–May 2014
2. Michael J. Edwards: Mosquitofish predation on *Eurycea* salamander eggs and larvae; Texas State University; March 2012–December 2012
1. Dominic L. DeSantis: Predator avoidance in the Barton Springs Salamander, *Eurycea sosorum*; Texas State University; January 2011–December 2013

#### Invited Presentations:

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19. **Davis DR**. South Dakota amphibians and reptiles. South Dakota Volunteer Naturalists Program; virtual presentation; April 2025
18. **Davis DR**. South Dakota amphibians and reptiles. South Dakota Volunteer Naturalists Program; virtual presentation; April 2024
17. **Davis DR**. South Dakota amphibians and reptiles. South Dakota Master Naturalists Program; virtual presentation; April 2023
16. **Davis DR**. Recent use of eDNA to detect imperiled south Texas amphibians and reptiles. eDNA Workshop and Symposium: Exploring Challenges and Opportunities Across Diverse Applications, University of North Texas, Denton, Texas; March 2023
15. **Davis DR**. Using emerging technologies to detect imperiled species. Departmental Seminar, Department of Biological Sciences, Western Illinois University, Macomb, Illinois; December 2022
14. **Davis DR**. Emerging technologies and imperiled species management. Departmental Seminar, Department of Biological Sciences, Sam Houston State University, Huntsville, Texas; September 2022
13. **Davis DR**. South Dakota amphibians and reptiles. South Dakota Master Naturalists Program; virtual presentation; April 2022
12. **Davis DR**. Using emerging technologies to understand the distribution of imperiled species. Departmental Seminar, Department of Biology, Texas State University, San Marcos, Texas; March 2022
11. **Davis DR**. Effects of agricultural pollutants on stress hormones and viral infection in larval salamanders. South Dakota Chapter of The Wildlife Society; virtual presentation; March 2022
10. **Davis DR**. Novel technologies help understand the distribution of imperiled species. Departmental Seminar, Department of Biology, The University of Texas Rio Grande Valley; virtual presentation; September 2021
9. **Davis DR**. Use of emerging technology to survey for imperiled amphibians and reptiles in Texas. Snake Days 2021; virtual presentation; June 2021
8. **Davis DR**. Diversity of South Dakota's amphibians and reptiles. South Dakota Master Naturalists Program; virtual presentation; April 2021
7. **Davis DR**. Taxonomic status and occurrence of the Rio Grande siren. Wildlife Diversity Webinar Series, Texas Parks and Wildlife Department; virtual presentation; August 2020
6. **Davis DR**. Effects of agricultural tile drainage on wetland habitats and species. Departmental Seminar, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley, Edinburg, Texas; March 2019
5. **Davis DR**. *National Treasure*: voucher specimens and museums. Congressional Lunch Briefing, Senate Majority Committee on Commerce, Science, and Transportation; Washington, DC; September 2018
4. **Davis DR**. Understanding the distributions of South Dakota amphibians and reptiles: a synthesis of museums and citizen science. South Dakota Chapter of The Wildlife Society; Oacoma, South Dakota; February 2018
3. **Davis DR**. Status and distributions of South Dakota amphibians and reptiles. Department Seminar, Department of Biology, University of South Dakota, Vermillion, South Dakota; September 2015
2. **Davis DR**. Updating the distributions of amphibians and reptiles in South Dakota. Midwest Partners in Amphibian and Reptile Conservation (MWPARC), Lawrence, Kansas; July 2015
1. **Davis DR**. Ecology and conservation of central Texas *Eurycea*. Austin Herpetological Society; Austin, Texas; February 2012

#### Presentations:

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*student coauthor: \*undergraduate, †graduate (M.S.), ‡graduate (Ph.D.)*

46. **Davis DR**, Genter BW, LaDuc TJ. Status of non-native *Tarentola mauritanica* (Squamata: Phyllodactylidae) in the USA, with new records of an established population in Texas. Society for the Study of Amphibians and Reptiles; Ann Arbor, Michigan; June 2024
45. **Davis DR**. MWPARC 2023 Meeting: South Dakota update. Midwest Partners in Amphibian and Reptile Conservation; Makanda, Illinois; August 2023
44. **Davis DR**. Diversity and occurrence of introduced *Hemidactylus* in the Rio Grande Valley of south Texas, USA. Joint Meeting of Ichthyologists and Herpetologists; Norfolk, Virginia; July 2023
43. **Davis DR**, LaDuc TJ, Christiansen JL. Better understanding the distribution of a recently described turtle shell disease condition through citizen science observations. Joint Annual Meeting, AZ/NM Chapters of The Wildlife Society; Farmington, New Mexico; February 2023
42. **Davis DR**. MWPARC 2021 Meeting: South Dakota update. Midwest Partners in Amphibian and Reptile Conservation; virtual presentation; October 2021
41. **Davis DR**. Effects of agricultural tile drainage on wetland habitats and species. Dissertation Defense Seminar, University of South Dakota; Vermillion, South Dakota; April 2018
40. **Davis DR**, Austin SD<sup>†</sup>, Madison JD<sup>‡</sup>, Kerby JL. Understanding the effects of the herbicide glyphosate on the microbiome of the False Map Turtle. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2018
39. **Davis DR**, LaDuc TJ, Pauly GB. Morphological variation between two widely distributed populations of *Plethodon albagula* (Caudata: Plethodontidae). Joint Meeting of Ichthyologists and Herpetologists; Austin, Texas; July 2017 \*Society for the Study of Amphibians and Reptiles, Victor Hutchinson Award (Physiology & Morphology)
38. **Davis DR**, Kerby JL. Physiological stress and pathogen infection in larval salamanders from agricultural wetlands. Joint Meeting of Ichthyologists and Herpetologists; Austin, Texas; July 2017
37. **Davis DR**, Siler CD, Kerby JL. Co-infection of *Batrachochytrium dendrobatidis* and ranavirus in amphibians from the Philippines. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2017
36. **Davis DR**, LaDuc TJ. Amphibians and reptiles of C. E. Miller Ranch and the Sierra Vieja Range, Chihuahuan Desert, Texas, USA. Texas Academy of Science 120<sup>th</sup> Annual Meeting; Belton, Texas; March 2017
35. **Davis DR**, Kerby JL. Environmental contaminants, physiological stress, and ranavirus infection in salamanders from South Dakota wetlands. IRCEB Amphibian Pathogens Annual Meeting; Tempe, Arizona; November 2016
34. **Davis DR**, Bendik NF, Zabierek KC<sup>†</sup>, Gabor CR. The effects of urbanization on physiological stress of Jollyville Plateau salamanders. Southwest Partners in Amphibian and Reptile Conservation (SWPARC), Alpine, Texas; August 2016
33. **Davis DR**, Siler CD, Kerby JL. Co-infection of *Batrachochytrium dendrobatidis* and ranavirus in amphibians from Luzon Island, Philippines. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana; July 2016
32. **Davis DR**, Siler CD, Kerby JL. *Batrachochytrium dendrobatidis* and ranavirus infection in amphibians from Luzon Island, Philippines. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2016
31. **Davis DR**, Schwarz MS, Kerby JL. Agricultural tile drainage: a potential threat to Great Plains amphibians. Society for the Study of Amphibians and Reptiles Meeting; Lawrence, Kansas; July 2015
30. **Davis DR**, Schwarz MS, Kerby JL. Effects of agricultural tile drainage and contaminants on wetland amphibians. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, South Dakota; April 2015
29. **Davis DR**, Johannsen RE<sup>†</sup>, Kerby JL. Updating the distributions of amphibians and reptiles in South Dakota. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, South Dakota; April 2015
28. **Davis DR**, Schwarz MS, Kerby JL. Effects of agricultural tile drainage on wetland communities. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2015
27. **Davis DR**, Schwarz MS, Kerby JL. Assessing wetland degradation and contamination due to agricultural tile drainage. Texas Academy of Science 118<sup>th</sup> Annual Meeting; San Antonio, Texas; March 2015
26. **Davis DR**, Schwarz MS, Kerby JL. Evaluation of agricultural tile drainage exposure and effects on wetland communities. South Dakota Chapter of The Wildlife Society; Oacoma, South Dakota; February 2015
25. **Davis DR**, Schwarz MS, Kerby JL. Multi-year evaluation of tile drain exposure: biological assessments. US Fish and Wildlife Service Madison Wetland Management District Office; Madison, South Dakota; February 2015
24. **Davis DR**, Schwarz MS, Kerby JL. Effects of agricultural tile drainage on amphibians in eastern South Dakota. Joint Meeting of Ichthyologists and Herpetologists; Chattanooga, Tennessee; August 2014 \*Society for the Study of Amphibians and Reptiles, Henri Siebert Award (Conservation)
23. **Davis DR**, Gabor CR. Stress response of the salamander, *Eurycea nana*, to native and introduced predators. 6<sup>th</sup> Conference on the Biology of Plethodontid Salamanders; Tulsa, Oklahoma; May 2014

22. **Davis DR**, Schwarz MS, Kerby JL. Effects of agricultural tile drainage on amphibians in eastern South Dakota. Dakota Amphibian and Reptile Network (DARN) Meeting; Fargo, North Dakota; April 2014
21. **Davis DR**, Kerby JL. Impacts of agricultural tile drainage on ranavirus prevalence in eastern tiger salamanders. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2014
20. **Davis DR**, Bendik NF, Zabierek KC<sup>†</sup>, Gabor CR. Effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Texas Academy of Science 117<sup>th</sup> Annual Meeting; Galveston, Texas; March 2014
19. **Davis DR**, Schwarz MS, Kerby JL. Preliminary evaluation of tile drain exposure: biological assessments. US Fish and Wildlife Service Madison Wetland Management District Office; Madison, South Dakota; February 2014
18. **Davis DR**, Epp KJ. Effect of fish species and size on the antipredator behavior of the San Marcos salamander (*Eurycea nana*). Society for Integrative and Comparative Biology Annual Meeting; Austin, Texas; January 2014
17. **Davis DR**, Epp KJ. Effect of fish species and size on the antipredator behavior of the San Marcos salamander (*Eurycea nana*). Ecological Society of America Conference; Minneapolis, Minnesota; August 2013
16. **Davis DR**, Brown RM, Diesmos AC, Siler CD. Morphology-based species delimitation in Philippine slender skinks: evaluation of the *Brachymeles bonitae* complex. Joint Meeting of Ichthyologists and Herpetologists; Albuquerque, New Mexico; July 2013 \*Herpetologists' League, Graduate Student Presentation Award
15. **Davis DR**, Bendik NF, Gabor CR. Assessing Jollyville Plateau salamander stress in urban and rural streams. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, South Dakota; May 2013
14. **Davis DR**, Brown RM, Siler CD. Taxonomic revision of the *Brachymeles bonitae* species complex uncovers a high level of cryptic diversity and body form variation. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2013
13. **Davis DR**, Gabor CR. Stress response of the salamander, *Eurycea nana*, to native and introduced predators. Animal Behavior Society Conference; Albuquerque, New Mexico; June 2012
12. **Davis DR**, Gabor CR. Stress response of the San Marcos salamander, *Eurycea nana*, to native and introduced predators. *EuryceAlliance* 2012 Meeting; San Marcos, Texas; May 2012
11. **Davis DR**. Predator-prey interactions in the San Marcos salamander (*Eurycea nana*): predator generalization and stress hormones in response to introduced predators. Thesis Defense Seminar, Texas State University; San Marcos, Texas; March 2012
10. **Davis DR**, Gabor CR. Differential corticosterone response towards native and introduced predators by the San Marcos salamander, *Eurycea nana*. Texas Academy of Science 115<sup>th</sup> Annual Meeting; Alpine, Texas; March 2012
9. **Davis DR**, Gabor CR. Differential corticosterone response towards native and introduced predators by the San Marcos salamander, *Eurycea nana*. Texas Herpetological Society Symposium; Austin, Texas; October 2011
8. **Davis DR**, Gabor CR. Generalization of introduced predators by a threatened salamander. Animal Behavior Society Conference; Bloomington, Indiana; July 2011
7. **Davis DR**, Gabor CR. Generalization of introduced predators by a threatened salamander (*Eurycea nana*). *EuryceAlliance* 2011 Meeting; San Marcos, Texas; June 2011
6. **Davis DR**, Gabor CR. Phylogenetic generalization of predators by the San Marcos salamander, *Eurycea nana*. Texas State University 16<sup>th</sup> Annual Colloquium; San Marcos, Texas; April 2011
5. **Davis DR**, Gabor CR. Phylogenetic generalization of predators by the San Marcos salamander, *Eurycea nana*. Texas Academy of Science 114<sup>th</sup> Annual Meeting; Austin, Texas; March 2011
4. **Davis DR**, Pauly GB, LaDuc TJ. Morphological variation between western slimy salamanders, *Plethodon albagula*, of the Interior Highlands and Edwards Plateau. Texas State University 15<sup>th</sup> Annual Colloquium; San Marcos, Texas; April 2010
3. **Davis DR**, Pauly GB, LaDuc TJ. Morphological variation between western slimy salamanders, *Plethodon albagula*, of the Interior Highlands and Edwards Plateau. Texas Academy of Science 113<sup>th</sup> Annual Meeting; Stephenville, Texas; March 2010
2. **Davis DR**, Pauly GB. Morphological variation in the western slimy salamander, *Plethodon albagula*, of Central Texas. Southwestern Association of Naturalists 55<sup>th</sup> Annual Meeting; Memphis, Tennessee; April 2008
1. **Davis DR**, Pauly GB. Morphological variation in the western slimy salamander, *Plethodon albagula*, of Central Texas. University of Texas Undergraduate Research Forum; Austin, Texas; April 2008

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**Coauthored Presentations:**

student author: <sup>^</sup>high school, <sup>†</sup>undergraduate, <sup>‡</sup>graduate (M.S.), <sup>§</sup>graduate (Ph.D.)

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97. Myers CJ\*, LaDuc TJ, **Davis DR**. Diet of the non-native Moorish Gecko (*Tarentola mauritanica*) in Texas, USA. Southwestern Partners in Amphibian and Reptile Conservation (SWPARC) Annual Meeting; Albuquerque, New Mexico; August 2025
96. Compson ZG, Cave K, Curtis M, Davis L, Baird DJ, Barnes M, Conway K, Gaonkar C, Gordon M, **Davis DR**, Amberg J, Spear S, Brandão-Dias Ferreira Pinto P, Schulte N, Oyler-McCance S, Bockrath K, Goldberg C, Hoeinghaus DJ. Challenges and opportunities for eDNA bioassessment in aquatic systems in arid regions. 155<sup>th</sup> Annual American Fisheries Society Meeting; San Antonio, Texas; August 2025
95. Madison JD, El-Desoky A, Illueca E, **Davis DR**, Ibáñez R, Muletz-Wolz C. Caecilian phylosymbiosis patterns vary among species. Association for Tropical Biology and Conservation; Oaxaca, Mexico; July 2025
94. El-Desoky A, Illueca E, **Davis DR**, Ibáñez R, Muletz-Wolz C, Madison JD. Caecilian microbial communities vary by species and preservation status but not body site. ASM Microbe Program; Los Angeles, California; June 2025
93. Hutcherson ZA†, **Davis DR**. Examining range expansion of the non-native Mediterranean Gecko (*Hemidactylus turcicus*) across New Mexico and west Texas. 72<sup>nd</sup> Annual Southwestern Association of Naturalists Meeting; Albuquerque, New Mexico; April 2025
92. Summo Elias S†, **Davis DR**. Distribution, habitat use, and conservation ecology of the Western Ribbonsnake (*Thamnophis proximus*) in New Mexico. 72<sup>nd</sup> Annual Southwestern Association of Naturalists Meeting; Albuquerque, New Mexico; April 2025
91. Hutcherson ZA†, **Davis DR**. Understanding the distribution of Rio Grande Cooters and examining spatial variation in their bacterial microbiota. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
90. Summo Elias S†, **Davis DR**. Distribution, habitat use, and conservation ecology of the Western Ribbonsnake (*Thamnophis proximus*) in New Mexico. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
89. Kuschel JE†, **Davis DR**. Using environmental DNA as a tool for detecting two imperiled snake species in New Mexico. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
88. Green KE\*, **Davis DR**. Prevalence of two amphibian pathogens in non-native caecilians established in Miami, Florida. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
87. Moritomo RN\*, **Davis DR**. Behavioral responses of explosive-breeding anurans to invertebrate predators. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
86. Gilliam AR\*, Summo Elias S†, **Davis DR**. Understanding the distribution and threats to amphibians along the Pecos and Canadian rivers of eastern New Mexico, USA. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2025
85. Summo Elias S†, **Davis DR**. Distribution, habitat use, and conservation ecology of the Western Ribbonsnake (*Thamnophis proximus*) in New Mexico. Joint Annual Meeting, AZ/NM Chapters of The Wildlife Society; Albuquerque, New Mexico; February 2025
84. Gordon M, DeChellis D, Hammerbach G, Ricardez V, Franklin C, Munscher E, Meik J, **Davis DR**. 2024 IUCN Red List Assessment. *Pseudemys texana* – Texas Cooter. IUCN Red List Assessment; Ojai, California; November 2024
83. Hutcherson ZA\*, **Davis DR**. Examining range expansion of the non-native Mediterranean Gecko (*Hemidactylus turcicus*) across New Mexico and west Texas. New Mexico Research Symposium; Albuquerque, New Mexico; October 2024
82. Moritomo RN\*, **Davis DR**. Behavioral responses of explosive-breeding anurans to invertebrate predators. The Wildlife Society Annual Meeting; Baltimore, Maryland; October 2024
81. Hutcherson ZA\*, **Davis DR**. Examining range expansion of the non-native Mediterranean Gecko (*Hemidactylus turcicus*) across New Mexico and west Texas. New Mexico Alliance for Minority Participation Annual Conference; Portales, New Mexico; October 2024
80. Gilliam AR\*, Summo Elias S†, **Davis DR**. Understanding the distribution and threats to amphibians along the Pecos and Canadian rivers of eastern New Mexico, USA. NM-INBRE Symposium; Las Cruces, New Mexico; July 2024
79. Moritomo RN\*, **Davis DR**. Behavioral responses of explosive-breeding anurans to invertebrate predators. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2024
78. Hutcherson ZA\*, **Davis DR**. Examining range expansion of the non-native Mediterranean Gecko (*Hemidactylus turcicus*) across New Mexico and west Texas. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2024

77. Green KE\*, **Davis DR**. Examining morphological variation among disjunct populations of the Greater Earless Lizard in New Mexico. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2024
76. Summo Elias S†, **Davis DR**. Understanding the distribution and threats to imperiled Western Ribbonsnakes (*Thamnophis proximus*) in eastern New Mexico. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2024
75. Gonzalez JT\*, **Davis DR**. Understanding the distribution of the Smooth Softshell (*Apalone mutica*) in the Canadian River through traditional and novel survey methods. Texas Academy of Science 127<sup>th</sup> Annual Meeting; Odessa, Texas; March 2024
74. Genter BW\*, **Davis DR**. First records of the Sri Lankan Spotted House Gecko (*Hemidactylus parvimaculatus*) in Alabama and Florida, USA. UF Undergraduate Research Symposium; Gainesville, Florida; November 2023
73. Hutcherson ZA\*, **Davis DR**. Impact of wildfire on pathogen prevalence in Sacramento Mountains Salamanders (*Aneides hardii*). New Mexico Alliance for Minority Participation Annual Conference; Las Cruces, New Mexico; October 2023
72. Gonzalez JT\*, **Davis DR**. Understanding the distribution of the Smooth Softshell (*Apalone mutica*) in the Canadian River through traditional and novel survey methods. New Mexico Alliance for Minority Participation Annual Conference; Las Cruces, New Mexico; October 2023
71. Genter BW\*, Krochmal AR, LaDuc TJ, Roth TC, **Davis DR**. LED light baits fail to improve turtle trap capture success. Joint Meeting of Ichthyologists and Herpetologists; Norfolk, Virginia; July 2023
70. Lopez CB\*, Arnott R\*, Rogers M\*, LaDuc T, Zamudio K, **Davis DR**, Belasen A. Historical occurrence of the amphibian killing fungus *Batrachochytrium dendrobatidis* (Bd) in endangered populations of Black-spotted Newts. Christian Brothers University Research Conference; Memphis, Tennessee; April 2023
69. Hutcherson ZA\*, **Davis DR**. Digitizing and georeferencing the herpetological collection at Eastern New Mexico University. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2023
68. Gonzalez JT\*, **Davis DR**. Understanding the distribution of the Smooth Softshell (*Apalone mutica*) in the Canadian River through traditional and novel survey methods. Eastern New Mexico University, Student Research and Creativity Conference; Portales, New Mexico; April 2023
67. Gluesenkamp A, **Davis DR**, Kline R, Macip-Rios R, McGaugh S, Weaver S. Phylogeography, conservation genetics, and taxonomy of the Rough-footed Mud Turtle (*Kinosternon hirtipes*). XVI Reunión Nacional de Herpetología; Baja California, Mexico; January 2023
66. Sherwin MN\*, Anagol AS\*, Vasquez UOG, Rovito SM, Olea GP, Austria RH, de Oca ANM, Flores Villela O, Campbell JA, **Davis DR**, Hillis DM, Devitt TJ. New species of chirping frogs (*Eleutherodactylus*) from northeast Mexico. Southwestern Association of Naturalists Annual Meeting; virtual meeting; April 2022
65. Robinson PS, **Davis DR**, Kline RJ. Environmental correlates of the Black-spotted Newt in south Texas. Southeast Partners in Amphibian and Reptile Conservation (SEPARC); virtual meeting; February 2022
64. Chastain RT†, Garza G†, **Davis DR**, Feria Arroyo TP. Modeling the potential impact of climate change on range expansion in *Eleutherodactylus cystignathoides* and *E. planirostris* (Anura). University of Texas Rio Grande Valley College of Sciences Annual Research Conference; virtual meeting; November 2021
63. Bauer SM†, **Davis DR**, Kline RJ. Refining a species distribution model for the Black-spotted Newt. Texas Chapter of The Wildlife Society; virtual meeting; February 2021
62. Collins SM†, **Davis DR**, Kline RJ. Application of environmental DNA (eDNA) metabarcoding in south Texas. Texas Chapter of The Wildlife Society; virtual meeting; February 2021
61. Robinson PS†, **Davis DR**, Kline RJ. Development of an environmental DNA (eDNA) assay to detect the state threatened Black-spotted Newt. Texas Chapter of The Wildlife Society; virtual meeting; February 2021
60. Bogolin AP†, **Davis DR**, Kline RJ, Rahman FA. Comparing novel and traditional sampling methodologies to analyze the population status of the Rio Grande Cooter (*Pseudemys gorzugi*). Turtle Survival Alliance 2020 Symposium; virtual meeting; August 2020
59. Millikin AR†, **Davis DR**, Brown DJ, Woodley S, Coster S, Welsh A, Kerby JL, Anderson JT. 2020. Population health of spotted salamanders in created vernal pools. RE3: Reclaim, Restore, Rewild Conference, Québec, Canada; June 2020
58. LaDuc TJ, **Davis DR**, Christiansen JL. Citizen science CSI: better understanding the distribution of a newly described turtle shell disease condition through citizen observations. Chihuahuan Desert Conference, El Paso, Texas; November 2019

57. Bogolin AP<sup>†</sup>, Kline RJ, Rahman MS, **Davis DR**, Rahman FA. Comparing novel and traditional sampling methodologies to analyze the population status of the Rio Grande Cooter (*Pseudemys gorzugi*). Turtle Survival Alliance 2019 Symposium; Tucson, Arizona; August 2019
56. Bogolin AP<sup>†</sup>, Kline RJ, Rahman MS, **Davis DR**, Rahman FA. Comparing novel and traditional sampling methodologies to analyze the population status of the Rio Grande Cooter (*Pseudemys gorzugi*). Joint Meeting of Ichthyologists and Herpetologists; Snowbird, Utah; July 2019
55. Ruppert KM<sup>†</sup>, **Davis DR**, Kline RJ, Rahman MS. Development, application, and assessment of an environmental DNA assay for detection of the Rio Grande Siren. Joint Meeting of Ichthyologists and Herpetologists; Snowbird, Utah; July 2019
54. LaDuc TJ, **Davis DR**, Christiansen JL. Citizen science CSI: better understanding the distribution of an undescribed turtle shell disease condition through citizen observations. Joint Meeting of Ichthyologists and Herpetologists; Snowbird, Utah; July 2019
53. Marshall TL<sup>‡</sup>, **Davis DR**, Hillis DM. Investigating mitonuclear discordance in North American corn snakes (*Pantherophis guttatus* complex). Joint Meeting of Ichthyologists and Herpetologists; Snowbird, Utah; July 2019
52. Christiansen JL, LaDuc TJ, **Davis DR**. Chronic sloughing shell disease, a mechanism for infection of the Texas endangered Rough-footed Mud Turtle (*Kinosternon hirtipes*) and other tropical and subtropical species. Texas Academy of Science 122<sup>nd</sup> Annual Meeting; Brownwood, Texas; March 2019
51. Ruppert KM<sup>†</sup>, Bare EA<sup>‡</sup>, **Davis DR**, Kline RJ, Rahman MS. Development and application of an environmental DNA assay for detection of the Rio Grande siren. Texas Chapter of The Wildlife Society; Montgomery, Texas; February 2019
50. Kerby JL, **Davis DR**, Farkas JK<sup>†</sup>, Schwarz MS, Wesner JS. Is it safe to drink water from a tile drain pipe? South Dakota Ducks Unlimited State Convention; Pierre, South Dakota; January 2019
49. Kerby JL, **Davis DR**, Farkas JK<sup>†</sup>, Jarchow ME, Schwarz MS, Wesner JS. Evaluation of agricultural tile drain exposure and effects on wetland communities. South Dakota Ducks Unlimited State Convention; Pierre, South Dakota; January 2019
48. Christiansen JL, LaDuc TJ, **Davis DR**. Chronic sloughing shell disease, a mechanism for infection of the Texas endangered Rough-footed Mud Turtle (*Kinosternon hirtipes*) and other tropical and subtropical species. Texas Endangered Species Symposium; Georgetown, Texas; January 2019
47. Schwarz MS, Schultz B, **Davis DR**, Kerby JL. Nutrients, pesticides and selenium in agricultural tile discharges into public wetlands, Madison Wetland Management District, South Dakota. South Dakota Academy of Science; Brookings, South Dakota; April 2018
46. Watters JL, **Davis DR**, Yuri T, Siler CD. Concurrent infection of *Batrachochytrium dendrobatidis* and ranavirus among native amphibians from northeastern Oklahoma, USA. Southwestern Association of Naturalists 65<sup>th</sup> Annual Meeting; San Marcos, Texas; April 2018
45. Smith SN<sup>\*</sup>, Watters JL, **Davis DR**, Siler CD. Assessment of seasonal variation in amphibian infectious disease in central Oklahoma. Southwestern Association of Naturalists 65<sup>th</sup> Annual Meeting; San Marcos, Texas; April 2018
44. Butterfield MM<sup>\*</sup>, Madison JD<sup>‡</sup>, **Davis DR**, Kerby JL. Surveillance of Ranavirus and characterization of gut bacterial microbiome in False Map Turtles (*Graptemys pseudogeographica*) within the Missouri River in South Dakota. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2018
43. Schwarz MS, Schultz B, **Davis DR**, Kerby JL. Nutrients, pesticides and selenium in agricultural tile discharges into public wetlands, Madison Wetland Management District, South Dakota. South Dakota Chapter of the American Fisheries Society Conference; Brookings, South Dakota; February 2018
42. Schwarz MS, Schultz B, **Davis DR**, Kerby JL. Nutrients, pesticides and selenium in agricultural tile discharges into public wetlands, Madison Wetland Management District, South Dakota. Eastern South Dakota Water Conference; Brookings, South Dakota; November 2017
41. Butterfield MB<sup>\*</sup>, **Davis DR**, Madison JD<sup>‡</sup>, Kerby JL. Comparing the presence of False Map Turtles (*Graptemys pseudogeographica*) within the Missouri River in South Dakota. University of South Dakota Undergraduate Research Symposium; Vermillion, South Dakota; August 2017
40. Austin SD<sup>\*</sup>, **Davis DR**, Kerby JL. Effect of a glyphosate-based herbicide on the microbiome of false map turtles from southeastern South Dakota. South Dakota EPSCoR Research Symposium; Pierre, South Dakota; August 2017
39. Millikin AR<sup>‡</sup>, Woodley SK, **Davis DR**, Anderson JT. Factors influencing salamander hormones in created wetlands. Joint Meeting of Ichthyologists and Herpetologists; Austin, Texas; July 2017
38. Ellsworth ED, Watters JL, **Davis DR**, Farkas JK<sup>†</sup>, Siler CD. Ranavirus detection in southeastern Oklahoma. Southwestern Association of Naturalists 64<sup>th</sup> Annual Meeting; Lawton, Oklahoma; April 2017

37. Pollema CD<sup>\*</sup>, Farkas JK<sup>†</sup>, **Davis DR**, Kerby JL. The effect of agricultural runoff on invertebrates and fish in the Prairie Pothole Region. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2017
36. Leonard KM<sup>\*</sup>, **Davis DR**, Kerby JL. Behavioral and developmental effects of imidacloprid on larval western tiger salamanders (*Ambystoma mavortium*). University of South Dakota IdeaFest; Vermillion, South Dakota; April 2017
35. Johannsen RE<sup>\*</sup>, **Davis DR**, Kerby JL. Updating the distributions of South Dakota amphibian and reptile species. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2017
34. Kerby JL, **Davis DR**, Farkas JK<sup>†</sup>, Jarchow ME, Schwarz MS, Wesner JS. Evaluation of agricultural tile drain exposure and effects on wetland communities. Missouri River Institute Symposium; Vermillion, South Dakota; March 2017
33. Millikin AR<sup>‡</sup>, Woodley SK, **Davis DR**, Anderson JT. Factors influencing salamander hormones in created wetlands. WVU Institute of Water Security and Science Spring Symposium; Morgantown, West Virginia; February 2017
32. Millikin AR<sup>‡</sup>, Woodley SK, **Davis DR**, Anderson JT. Factors influencing salamander hormones in created wetlands. WVU Institute of Water Security and Science Spring Symposium; Morgantown, West Virginia; February 2017
31. Gabor CR, Bendik NF, Kim DS<sup>‡</sup>, **Davis DR**, Zabierek KC<sup>†</sup>. Urbanization is associated with changes in baseline and environmental corticosterone in a stream dwelling salamander. *EuryceAlliance* 2016 Meeting; Austin, Texas; December 2016
30. Gabor CR, Bendik NF, Kim DS<sup>‡</sup>, **Davis DR**, Zabierek KC<sup>†</sup>. Urbanization is associated with changes in baseline and environmental corticosterone in a stream dwelling salamander. Texas Herpetological Society Symposium; Stephenville, Texas; November 2016
29. Gabor CR, **Davis DR**, Zabierek KC<sup>†</sup>, Bendik NF. The effects of urbanization on the physiological stress of Jollyville Plateau salamanders. Special Highlands Conference on Plethodontid Salamander Biology; Highlands, North Carolina; August 2016
28. Farkas JK<sup>†</sup>, **Davis DR**, Henry BL<sup>†</sup>, Wesner JS, Kerby JL. The effect of agricultural runoff on fish in the Prairie Pothole Region. North American Congress for Conservation Biology, Society for Conservation Biology; Madison, Wisconsin; July 2016
27. Johannsen RE<sup>\*</sup>, **Davis DR**, Kerby JL. Updating the distributions of South Dakota amphibian and reptile species. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana; July 2016
26. Millikin AR<sup>‡</sup>, Woodley SK, **Davis DR**, Anderson JT. Water-borne hormone levels of spotted salamanders (*Ambystoma maculatum*) in created wetlands. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana; July 2016
25. Farkas JK<sup>†</sup>, **Davis DR**, Henry BL<sup>†</sup>, Wesner JS, Kerby JL. The effect of agricultural runoff on fish in the Prairie Pothole Region. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana; July 2016
24. Johannsen RE<sup>\*</sup>, **Davis DR**, Kerby JL. Updating the distributions of South Dakota amphibian and reptile species. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2016
23. Farkas JK<sup>†</sup>, **Davis DR**, Henry BL<sup>†</sup>, Wesner JS, Kerby JL. The effect of agricultural runoff on fish in the Prairie Pothole Region. Missouri River Institute Symposium; Vermillion, South Dakota; April 2016
22. **Davis DR**, Henry BL<sup>†</sup>, Farkas JK<sup>†</sup>, Warmbold JW<sup>†</sup>, Schwarz MS, Wesner JS, Kerby JL. Evaluation of agricultural tile drain exposure and effects on wetland communities. South Dakota Game, Fish and Parks Region 3 Meeting; Brookings, South Dakota; December 2015
21. Kerby JL, **Davis DR**. The search for the mudpuppy. South Dakota Game, Fish and Parks Region 3 Meeting; Brookings, South Dakota; December 2015
20. Flanagan RL<sup>\*</sup>, Watters JL, **Davis DR**, Farkas JK<sup>†</sup>, Penrod ML<sup>\*</sup>, Labonte MJ<sup>\*</sup>, Siler CD. Preliminary screening of natural history collections for historical presence of amphibian infectious disease in Oklahoma. Society for the Study of Amphibians and Reptiles Meeting; Lawrence, Kansas; July 2015
19. Koch AD<sup>\*</sup>, **Davis DR**, Kerby JL. Effects of agricultural contaminants and ranavirus infection on stress hormone levels in plains leopard frogs, *Lithobates blairi*. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, South Dakota; April 2015
18. Koch AD<sup>\*</sup>, **Davis DR**, Kerby JL. Effects of agricultural contaminants and ranavirus infection on stress hormone levels in plains leopard frogs, *Lithobates blairi*. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2015
17. Gabor CR, Bendik NF, **Davis DR**, Zabierek KC<sup>†</sup>, Mondelli MJ<sup>†</sup>. The effects of urbanization on the physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Texas Herpetological Society Symposium; San Marcos, Texas; November 2014
16. Gabor CR, Bendik NF, **Davis DR**, Zabierek KC<sup>†</sup>, Mondelli MJ<sup>†</sup>. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. *EuryceAlliance* 2014 Meeting; Austin, Texas; June 2014

15. Gabor CR, Bendik NF, **Davis DR**, Zabierek KC<sup>†</sup>, Mondelli MJ<sup>†</sup>. The effects of urbanization on physiological stress of Jollyville Plateau salamanders. 6th Conference on the Biology of Plethodontid Salamanders; Tulsa, Oklahoma; May 2014
14. Ferguson KJ<sup>\*</sup>, **Davis DR**, Kerby JL. Effects of agricultural tile drainage on stress hormones in Eastern tiger salamanders. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2014
13. DeSantis DL<sup>\*</sup>, Gabor CR, **Davis DR**. Invertebrate predator recognition and avoidance in the endangered Barton Springs salamander, *Eurycea sosorum*. Texas Academy of Science 117<sup>th</sup> Annual Meeting; Galveston, Texas; March 2014
12. Bendik NF, **Davis DR**, Zabierek KC<sup>†</sup>, Gabor CR. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Society for Integrative and Comparative Biology Annual Meeting; Austin, Texas; January 2014
11. Ferguson KJ<sup>\*</sup>, **Davis DR**, Kerby JL. Effects of agricultural tile drainage on stress hormones in eastern tiger salamanders. University of South Dakota BRIN/U. Discover Research Conference; Vermillion, South Dakota; August 2013
10. Epp KJ, **Davis DR**. Threat-sensitive avoidance in the San Marcos salamander: effects of predator species and size. Animal Behavior Society Conference; Boulder, Colorado; July 2013
9. Christiani TJ<sup>\*</sup>, **Davis DR**, Merkord CL, Brown RM, Siler CD. Cryptic diversity and population genetic structure in the rare, endemic, forest-obligate geckos of the Philippines. University of South Dakota IdeaFest; Vermillion, South Dakota; April 2013
8. Epp KJ, **Davis DR**. Threat-sensitive avoidance in the San Marcos salamander: effects of predator species and size. Kansas Academy of Science Annual Meeting; Overland Park, Kansas; April 2013
7. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Chemically mediated predator avoidance in the Barton Springs salamander. Animal Behavior Society Conference; Albuquerque, New Mexico; June 2012
6. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Chemically mediated predator avoidance in the Barton Springs salamander, *Eurycea sosorum*. EuryceAlliance 2012 Meeting; San Marcos, Texas; May 2012
5. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Chemically mediated predator recognition in the Barton Springs salamander, *Eurycea sosorum*. Texas State University 17<sup>th</sup> Annual Colloquium; San Marcos, Texas; March 2012
4. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas Academy of Science 115<sup>th</sup> Annual Meeting; Alpine, Texas; March 2012
3. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas State Undergraduate Research Conference; San Marcos, Texas; December 2011
2. DeSantis DL<sup>\*</sup>, **Davis DR**, Gabor CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas Herpetological Society Symposium; Austin, Texas; October 2011.
1. Gabor CR, **Davis DR**. Stress in *Eurycea nana*. EuryceAlliance 2011 Meeting; San Marcos, Texas; June 2011

### Teaching Experience:

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Assistant Professor, Department of Biology, Eastern New Mexico University, Portales, New Mexico

Spring 2025	Wildlife Biology (BIOL 1650) General Ecology (BIOL 303) General Ecology Lab (BIOL 303L) Herpetology (BIOL 411/511) Herpetology Lab (BIOL 411L/511L)
Fall 2024	Wildlife Biology (BIOL 1650) General Ecology (BIOL 303) General Ecology Lab (BIOL 303L) Herpetology (BIOL 411/511) Herpetology Lab (BIOL 411L/511L)
Spring 2024	General Biology (BIOL 1110) General Biology Lab (BIOL 1110L) Principles of Biology (BIOL 2610) Landscape Ecology and GIS (BIOL 460/560) Undergraduate Seminar and Assessment (BIOL 492)
Fall 2023	Wildlife Biology (BIOL 1650) Mammalogy (BIOL 431/531) Mammalogy Lab (BIOL 431L/531L)

Conservation Biology (BIOL 513)  
 Spring 2023 Principles of Biology (BIOL 2610)  
 Wildlife Management and Conservation (BIOL 405/505)  
 Research Presentation in Biology (BIOL 592)

Adjunct Faculty, Natural & Applied Science Division, Northern Virginia Community College–Loudoun, Sterling, Virginia  
 Summer 2018 General Biology I (BIO 101)

Instructor of Record, Department of Biology, University of South Dakota, Vermillion, South Dakota  
 Fall 2015 Herpetology (BIOL 434)  
 Fall 2015 Herpetology Lab (BIOL 434L)

Teaching Assistant, Department of Biology, University of South Dakota, Vermillion, South Dakota  
 Fall 2017 Herpetology Lab (BIOL 434L/534L)  
 Fall 2013 Herpetology Lab (BIOL 434L/534L)  
 Fall 2012 Principles of Ecology Lab (BIOL 311L)

Instructional Assistant, Department of Biology, Texas State University, San Marcos, Texas  
 Spring 2012 General Entomology Lab (BIO 4465/5465)  
 Organismal Biology Lab (BIO 1131)  
 Fall 2011 Organismal Biology Lab (BIO 1131)  
 Spring 2011 General Entomology Lab (BIO 4465/5465)  
 Organismal Biology Lab (BIO 1131)  
 Fall 2010 Organismal Biology Lab (BIO 1131)  
 Spring 2010 Organismal Biology Lab (BIO 1131)

### Guest Lectures:

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12. Comparing Novel and Traditional Sampling Methodologies to Analyze the Population Status of the Rio Grande Cooter (*Pseudemys gorzugi*). University of Oklahoma, Department of Biology, BIO 4970/5970: Field Herpetology; Norman, Oklahoma; May 2020
11. Amphibians and Reptiles. Mount Marty College, Division of Natural Sciences, BIO 241: Zoology; Yankton, South Dakota; April 2017
10. Emerging Infectious Diseases in Amphibians. University of Oklahoma, Department of Biology, BIOL 4083: Herpetology; Norman, Oklahoma; January 2017
9. Effects of Tile Drains on Wetland Quality and Biota. South Dakota State University, Department of Natural Resource Management, NRM 466/566: Environmental Toxicology and Contaminants; Brookings, South Dakota; April 2016
8. Amphibians and Reptiles. Mount Marty College, Division of Natural Sciences, BIO 241: Zoology; Yankton, South Dakota; April 2016
7. Ecosystems. University of South Dakota, Department of Biology, BIOL 151: General Biology I; Vermillion, South Dakota; September 2015
6. Community Ecology. University of South Dakota, Department of Biology, BIOL 151: General Biology I; Vermillion, South Dakota; September 2015
5. Community Ecotoxicology. University of South Dakota, Department of Biology, BIOL 466/566: Environmental Toxicology and Contamination; Vermillion, South Dakota; April 2015
4. Emerging Infectious Diseases in Amphibians. University of Oklahoma, Department of Biology, BIOL 4083: Herpetology; Norman, Oklahoma; March 2015
3. Endangered Species in Freshwater Environments. University of South Dakota, Department of Biology, BIOL 412/512: Freshwater Ecology; Vermillion, South Dakota; December 2013
2. The Ecology of the San Marcos River. University of South Dakota, Department of Biology, BIOL 442/542: Introduction to River Studies; Vermillion, South Dakota; November 2013
1. SIR Modeling in Disease Ecology. University of South Dakota, Department of Biology, UHON 390/BIOL 791: Disease Ecology; Vermillion, South Dakota; March 2013

### Professional Employment:

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2023–present Assistant Professor, Department of Biology, Eastern New Mexico University; Portales, New Mexico



2018–2022	Associate Research Scientist, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley; Brownsville, Texas
2018	Adjunct Faculty, Division of Natural and Applied Science, Northern Virginia Community College–Loudoun; Sterling, Virginia
2018	Contract Biologist, South Dakota Game, Fish and Parks; Pierre, South Dakota <ul style="list-style-type: none"> <li>conducted surveys for the state endangered Lined Snake (<i>Tropidoclonion lineatum</i>)</li> </ul>
2016	Natural History Collection Consultant, A. Jewell Schock Museum of Natural History, Wayne State College; Wayne, Nebraska <ul style="list-style-type: none"> <li>consultant for updating and curating fluid specimens</li> </ul>
2014	Contract Biologist, HDR, Inc.; Sioux Falls, South Dakota <ul style="list-style-type: none"> <li>conducted surveys for the state endangered Lined Snake (<i>Tropidoclonion lineatum</i>)</li> <li>consultant for designation and placement of Lined Snake Conservation Area</li> </ul>
2015	Instructor of Record, Department of Biology, University of South Dakota; Vermillion, South Dakota
2013–2018	Research Assistant, Department of Biology, University of South Dakota; Vermillion, South Dakota
2012–2017	Teaching Assistant, Department of Biology, University of South Dakota; Vermillion, South Dakota
2012–2018	Collections Manager, Department of Biology, University of South Dakota; Vermillion, South Dakota
2010–2012	Instructional Assistant, Department of Biology, Texas State University; San Marcos, Texas
2008	Research Assistant, Biodiversity Collections, The University of Texas at Austin; Austin, Texas
2007–2010	Research Assistant, Dr. Mary Poteet Lab, The University of Texas at Austin; Austin, Texas
2007–2008	Curatorial Assistant, Biodiversity Collections, The University of Texas at Austin; Austin, Texas
2007–2008	Temporary Environmental Scientist, Department of Watershed Protection and Development, City of Austin; Austin, Texas
2006–2009	Lab Technician, Dr. Camille Parmesan Lab, The University of Texas at Austin; Austin, Texas

#### Awards, Scholarships, and Honors:

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2025	Blair Junior Faculty Award, Eastern New Mexico University ( <i>award for high-performing junior faculty who exhibit innovative teaching and scholarship and a commitment to student success</i> )
2023	Mentor of the Year, New Mexico Alliance for Minority Participation
2017	Victor Hutchinson Presentation Award (Physiology & Morphology), Society for the Study of Amphibians and Reptiles
2017	Johnson Memorial Travel Award, University of South Dakota, Department of Biology
2016	Kevin Honness Memorial Scholarship, Great Plains Natural Science Society
2014	Henri Siebert Presentation Award (Conservation), Society for the Study of Amphibians and Reptiles
2013	Graduate Research Presentation Award (2 <sup>nd</sup> Place), Herpetologists' League
2016	Harold Smith Travel Award, University of South Dakota, Department of Biology
2013–2015	Hazel Teot Travel Award, University of South Dakota, Department of Biology
2013	Travel Award, American Society of Ichthyologists and Herpetologists
2013	Travel Award, Society for the Study of Amphibians and Reptiles
2011, 2012	Travel Award, Department of Biology, Texas State University
2008	Intellectual Entrepreneurship Travel Award, The University of Texas at Austin
2013–2017	Louella E. Cable Memorial Scholarship, University of South Dakota
2011	Associated Student Government Scholarship, Texas State University
2010, 2011	Graduate College Scholarship, Texas State University

#### Service:

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2023–present	Member, New Mexico State Wildlife Action Plan (SWAP) Core Team
2023–present	Chair, ENMU Institutional Animal Care and Use Committee
2021–present	Editor, <i>Herpetological Review</i> , Society for the Study of Amphibians and Reptiles

2021–present 2015–2018	Advisory Board Member; Midwest Partners in Amphibian and Reptile Conservation
2020	Incoming Editor, <i>Herpetological Review</i> , Society for the Study of Amphibians and Reptiles
2019	Managing Editor, <i>Herpetological Review</i> ; Society for the Study of Amphibians and Reptiles
2013–2019	Copy Editor, <i>Herpetological Review</i> ; Society for the Study of Amphibians and Reptiles
2012–present	Manuscript review: <i>Acta Ethologica</i> (2011, 2020); <i>Amphibia-Reptilia</i> (2012, 2013, 2018); <i>Asian Herpetological Research</i> (2020); <i>Behavioral Ecology and Sociobiology</i> (2016); <i>Behaviour</i> (2016); <i>Biharean Biologist</i> (2019); <i>Biology Letters</i> (2015); <i>BMC Evolutionary Biology</i> (2020); <i>Canadian Journal of Zoology</i> (2019, 2020); <i>Chickadee Kids Journal</i> (2022); <i>Conservation Genetics Resources</i> (2020); <i>Copeia</i> (2015, 2019); <i>Diseases of Aquatic Organisms</i> (2021); <i>Environmental Toxicology and Chemistry</i> (2019); <i>Herpetologica</i> (2016); <i>Herpetological Conservation and Biology</i> (2014, 2018, 2022, 2024); <i>Herpetological Review</i> (2013–2025); <i>Hydrobiologia</i> (2014); <i>Integrative Organismal Biology</i> (2024); <i>International Society for the History and Bibliography of Herpetology</i> (2023); <i>Journal of Herpetology</i> (2015); <i>Phyllomedusa</i> (2022); <i>Raffles Bulletin of Zoology</i> (2017); <i>Restoration Ecology</i> (2020); <i>The Science of Nature</i> (2019); <i>Texas Journal of Science</i> (2018); <i>The Herpetological Journal</i> (2015); <i>Transactions of the Nebraska Academy of Sciences and Affiliated Societies</i> (2024); <i>Zoologica Neocaledonica</i> (2013); <i>Zoology</i> (2015); <i>Zootaxa</i> (2017)
2021	Reviewer, Annual Graduate Student Research Proposal Competition, Texas Academy of Science
2019	Reviewer, Annual Graduate Student Oral Presentation Competition, Texas Academy of Science
2019	Volunteer Organizer, School of Earth, Environmental, and Marine Sciences (SEEMS) Seminar Series, The University of Texas Rio Grande Valley
2017	Snakes of Sioux Falls; Sioux Falls Animal Control, Sioux Falls, SD
2017	Amphibian Disease Analysis Workshop; University of Oklahoma, Norman, OK
2015	Amphibian and Reptile Collecting and Preservation Workshop; Oglala Lakota College, Kyle, SD
2015	Amphibian Disease Sampling Workshop; University of Oklahoma, Norman, OK
2014	University of South Dakota, University Budget Committee: Graduate Student Liaison
2013–2015	Student Travel Award Coordinator; American Society of Ichthyologists and Herpetologists
2012–2014	University of South Dakota, Faculty Senate: Graduate Student Senator
2010–2012	Texas State Biology Graduate Student Organization Vice President (2011, 2012) Graduate Speaker Committee (2010, 2011)

### Outreach and Public Engagement:

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2017–present	Amphibians and Reptiles of South Dakota ( <a href="http://www.sdherps.org">www.sdherps.org</a> ): Website Administrator
2016–present	Amphibians and Reptiles of South Dakota: iNaturalist Project Administrator
2023–2024	<i>You Should Know</i> , KENW; PBS Broadcasting; Portales, NM “Rattlesnakes” “Smooth Softshell Research” “Western Ribbonsnake Research”
2024	New Mexico Festival, Portales Municipal Schools; Portales, NM
2021–2025	South Dakota Master Naturalists Program, Herpetology Advisor
2018	Patrick Lalley Radio Show, South Dakota Snakes; Sioux Falls, SD
2017	Sioux Falls Animal Control, Snake Removal and Transport; Sioux Falls, SD
2017	College and Career Fair, Tea Area High School; Tea, SD
2017	USD Biology Club Outreach; Earth Week Festival; Vermillion, SD
2016	Acorn Academy Co-op Outreach: Insect Metamorphosis; Vermillion, SD
2016	FrogWatch USA Outreach; Earth Week Festival; Vermillion, SD
2015	Family Fun Day Outreach: South Dakota Amphibians and Reptiles; Vermillion, SD
2015	FrogWatch USA Volunteer Training; Oglala Lakota College; Pine Ridge Indian Reservation, Kyle, SD

2015	Girl Scouts of America, World Thinking Day; Vermillion, SD
2014	Winnebago Indian Reservation: Wetland Ecology and Conservation; Vermillion, SD
2014	Great Plains Zoo, Party for the Planet; Sioux Falls, SD
2014	South Dakota Science Olympiad State Tournament; Vermillion, SD
2013–2014	Amphibian Biologist Advisor; Platte-Geedes Elementary School; Platte, SD
2013	Lawrence Brothers Science Camp: Forensic Entomology; Vermillion, SD
2013–2017	Missouri River Watershed Festival: Wetland Ecology; Yankton, SD
2007–2012	Texas Memorial Museum Outreach: ID Days, Darwin Day, Explore UT; Austin, TX

### Photography:

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2022	Texas Almanac 2022–2023, 71 <sup>st</sup> edition (by R. Hatch [ed.]) <i>Anolis carolinensis</i> , <i>Hyla squirella</i> , <i>Pseudemys gorzugi</i>
2021	All Things Creepy: Parasitism pt 4, Mite Pockets (by N. Elmer) <i>Cyrtopodion scabrum</i>
2021	History of UT Herpetology, Part 1: The Early Decades (by N. Elmer); <a href="https://vimeo.com/538704531">https://vimeo.com/538704531</a> <i>Sceloporus olivaceous</i> ; <i>Anaxyrus cognatus</i> ; <i>Anaxyrus punctatus</i>
2020	Encyclopedia of Life Sciences; Evolution of North American Lizards (by S. G. Scarpetta et al.) <i>Crotaphytus reticulatus</i> , <i>Plestiodon obsoletus</i>
2020	Spirit Mound Trust Newsletter; Mound Meanderings (by M. Wetmore) <i>Plestiodon septentrionalis</i>
2020	Austin American Statesman; Not-so-creepy crawlies (by N. Villalpando) <i>Storeria dekayi</i> , <i>Salvadora deserticola</i> , <i>Hemidactylus turcicus</i> , <i>Rana berlandieri</i>
2019	Herpetologists' League Student Calendar <i>Sanguirana luzonensis</i>