

DREW R. DAVIS

PH.D. CANDIDATE

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EDUCATION:

- 2012–present UNIVERSITY OF SOUTH DAKOTA: PH.D. – BIOLOGICAL SCIENCES
Advisor: Dr. Jacob L. Kerby
Title: The Effects of Agricultural Tile Drainage on Wetlands, Water Quality, and Wetland-dependent Taxa
- 2010–2012 TEXAS STATE UNIVERSITY: M.S. – POPULATION AND CONSERVATION BIOLOGY
Advisor: Dr. Caitlin R. Gabor
Title: Predator–Prey Interactions in the San Marcos Salamander (*Eurycea nana*): Predator Generalization and Stress Hormones in Response to Introduced Predators
- 2005–2009 UNIVERSITY OF TEXAS AT AUSTIN: B.S. – BIOLOGY (ECOLOGY, EVOLUTION, BEHAVIOR)
Advisors: Dr. Gregory B. Pauly and Dr. Travis J. LaDuc
Title: Morphological Variation in the Western Slimy Salamander (*Plethodon albagula*)

PUBLICATIONS:

* *undergraduate author*

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.
22. GABOR CR, **DAVIS DR**, KIM DS, ZABIEREK KC, 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, GRIFFITH OW, BINADAY JWB*, LOBOS AHT*, AMARGA AKS, BROWN RM. 2017. The first record of the *Pseudogekko brevipes* Complex from the northern Philippines, with description of a new species from Luzon Island. *Herpetologica*, 73:162–175.
20. **DAVIS DR**, DESANTIS DL, GABOR CR. 2017. Antipredator behavior of the Barton Springs Salamander (*Eurycea sosorum*) in response to aquatic invertebrates: potential consequences from habitat restoration. *Hydrobiologia*, 795:129–137.
19. MARHANKA EC*, WATTERS JL, HURON NA, MCMILLIN SL*, WINFREY CC*, CURTIS DJ, **DAVIS DR**, FARKAS JK, 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**, DIEMOS AC, GUINTO F, WHITSETT C*, 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*, FELLER KD, ASHFORD A*, KOURI J*, NGUYEN D*, SHAUBERGER K*, SHEATSLEY K*, WINFREY C*, WONG R*, 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*, PAPEŞ M, AMREIN A*, ANWAR A*, COOPER D*, HEIN T*, MANNING A*, PATEL N*, PINAROC L*, 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, **DAVIS DR**, WATTERS JL, PENROD ML*, FELLER KD, DAVEY CS*, ELLSWORTH ED*, FLANAGAN RL*, HEITZ BD*, MOORE T*, NGUYEN MDC*, ROBERTS A*, SUTTON J*, 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, 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*, **DAVIS DR**, FARKAS JK, KERBY JL, LABONTE MJ*, PENROD ML*, 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, KIM DS, ALBERICI DA BARBIANO L, MONDELLI MJ, 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, **DAVIS DR**, ALCALA AC, CROMBIE RI, AFUANG LE, GEE-DAS G, SISON RV, SANGUILA MB, PENROD ML*, LABONTE MJ*, DAVEY CS*, 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*, Series 4, 62:457–539.
9. **DAVIS DR**, WATTERS JL, KÖHLER G, WHITSETT C, HURON NA, 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*, DIESMOS AC, DIESMOS ML, BROWN RM. 2014. Taxonomic revision of the *Pseudogekko compresicorpus* 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*, 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*, **DAVIS DR**, GABOR CR. 2013. Chemically mediated predator avoidance in the Barton Springs Salamander. *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***, PAULY GB. 2011. Morphological variation among populations of *Plethodon albagula* on the Edwards Plateau of central Texas. *Copeia*, 2011:102–113.

 SHORTER CONTRIBUTIONS:

* undergraduate author

33. AUSTIN SD*, KERBY JL, **DAVIS DR**. 2017. Distributional records of amphibians and reptiles from Lake Oahe, South Dakota, USA. *Herpetological Review*, 48:817–820.
32. **DAVIS DR**, CARDWELL MD. 2017. *Crotalus scutulatus* (Mohave Rattlesnake). Arboreality and Climbing Behavior. *Herpetological Review*, 48:670–671.
31. **DAVIS DR**, LADUC TJ. 2017. *Scaphiopus couchii* (Couch's Spadefoot). Aggregation. *Herpetological Review*, 48:613.
30. TEGGE SM, **DAVIS DR**. 2017. Geographic distribution: USA, Nebraska, Burt Co., Cuming Co., Thurston Co.: *Spea bombifrons* (Plains Spadefoot). *Herpetological Review*, 48:586–587.
29. **DAVIS DR**, LADUC TJ. 2017. *Hypsiglena jani* (Chihuahuan Nightsnake). Diet and Prey Size. *Herpetological Review*, 48:450–451.
28. **DAVIS DR**, FARKAS JK, DAHLHOFF MW, KERBY JL. 2017. *Coluber constrictor* (North American Racer). Predation. *Herpetological Review*, 48:446–447.
27. **DAVIS DR**, FARKAS JK, JOHANNSEN RE*, MALTAVERNE GA*. 2017. Historic amphibian and reptile county records from South Dakota, USA. *Herpetological Review*, 48:394–406.
26. **DAVIS DR**, BACKLUND DC. 2017. *Chelydra serpentina* (Snapping Turtle). Diet. *Herpetological Review*, 48:174–175.
25. **DAVIS DR**, FARKAS JK, JOHANNSEN RE*, LEONARD KM*, KERBY JL. 2017. Distributional records of amphibians and reptiles from South Dakota, USA. *Herpetological Review*, 48:133–137.
24. **DAVIS DR**, ZIMMER MB. 2017. Geographic distribution: USA, South Dakota, Edmunds Co.: *Opheodrys vernalis* (Smooth Greensnake). *Herpetological Review*, 48:129–130.
23. FARKAS JK, **DAVIS DR**. 2017. Geographic distribution: USA, South Dakota, Yankton Co.: *Apalone spinifera* (Spiny Softshell). *Herpetological Review*, 48:122.
22. FARKAS JK, **DAVIS DR**. 2017. Geographic distribution: USA, Michigan, Mecosta Co.: *Ambystoma laterale* (Blue-spotted Salamander). *Herpetological Review*, 48:117.
21. **DAVIS DR**, JACKSON LM, SIDONS SR, KERBY JL. 2016. *Rana blairi* (Plains Leopard Frog) Reproduction. *Herpetological Review*, 47:648.
20. **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.
19. **DAVIS DR**. 2016. Geographic distribution: USA, Nebraska, Boyd Co.: *Thamnophis sirtalis* (Common Gartersnake). *Herpetological Review*, 47:429.
18. **DAVIS DR**. 2016. Geographic distribution: USA, Nebraska, Holt Co.: *Coluber constrictor* (North American Racer). *Herpetological Review*, 47:425–426.
17. **DAVIS DR**. 2016. Geographic distribution: USA, Nebraska, Thurston Co.: *Pseudacris maculata* (Boreal Chorus Frog). *Herpetological Review*, 47:420.
16. **DAVIS DR**, FERGUSON KJ*, KOCH AD*, BERG EA*, VLCEK JR*, KERBY JL. 2016. New amphibian and reptile county records from eastern South Dakota, USA. *Herpetological Review*, 47:267–270.

15. JOHANNSEN RE*, KERBY JL, **DAVIS DR**. 2016. Geographic distribution: USA, Nebraska, Antelope Co.: *Coluber constrictor* (North American Racer). *Herpetological Review*, 47:261.
14. JOHANNSEN RE*, KERBY JL, **DAVIS DR**. 2016. Geographic distribution: USA, Nebraska, Keya Paha Co.: *Sceloporus consobrinus* (Prairie Lizard). *Herpetological Review*, 47:260.
13. **DAVIS DR**, DAVIS DL. 2016. Geographic distribution: USA, Texas, Bastrop Co.: *Hemidactylus turcicus* (Mediterranean Gecko). *Herpetological Review*, 47:81.
12. **DAVIS DR**, SANGUILA MB, BROWN JC, BROWN RM, COBB KA, BERGMANN P, MORINAGA G, HURON NA, WATTERS JL, SILER CD. 2015. *Pseudogekko ditoy* (Leyte Diminutive False Gecko) Morphology. *Herpetological Review*, 46:634–635.
11. STEWART JW, **DAVIS DR**. 2015. Geographic distribution: USA, Nebraska, Thomas Co.: *Thamnophis radix* (Plains Gartersnake). *Herpetological Review*, 46:222.
10. SIDDISONS SR, MILLIKIN AR, **DAVIS DR**. 2015. Geographic distribution: USA, Nebraska, Cedar Co.: *Coluber constrictor* (North American Racer). *Herpetological Review*, 46:218–219.
9. MILLIKIN AR, KOCH AD*, **DAVIS DR**. 2014. Geographic distribution: USA, Iowa, Plymouth Co.: *Chrysemys picta* (Painted Turtle). *Herpetological Review*, 45:656.
8. OWEN JD, MARSHALL TL, **DAVIS DR**. 2014. Geographic distribution: USA, Texas, Jeff Davis Co.: *Eleutherodactylus (Syrrhophus) marnockii* (Cliff Chirping Frog). *Herpetological Review*, 45:652
7. **DAVIS DR**, SIDDISONS SR, KERBY JL. 2014. New amphibian and reptile county records from eastern Nebraska, USA. *Herpetological Review*, 45:99–100.
6. MUNES RJ, **DAVIS DR**. 2014. Geographic distribution: USA, Nebraska, Boyd Co.: *Apalone mutica* (Smooth Softshell). *Herpetological Review*, 45:88.
5. **DAVIS DR**. 2013. Geographic distribution: USA, Texas, Caldwell Co.: *Lampropeltis calligaster* (Yellow-bellied Kingsnake). *Herpetological Review*, 44:275.
4. **DAVIS DR**, DESANTIS DL*. 2012. Geographic distribution: USA, Texas, Fayette Co.: *Pantherophis slowinskii* (Slowinski's Cornsnake). *Herpetological Review*, 43:449.
3. **DAVIS DR**, KIM DS, NEELON DP. 2012. Geographic distribution: USA, Texas, Hays Co.: *Nerodia fasciata* (Southern Watersnake). *Herpetological Review*, 43:449.
2. **DAVIS DR***, LADUC TJ. 2011. *Crotalus viridis* (Prairie Rattlesnake) Diet. *Herpetological Review*, 42:99.
1. **DAVIS DR***, BOX B, HIBBITS TJ. 2008. *Trimorphodon vilkinsonii* (Chihuahuan Lyre Snake) Arboreal behavior. *Herpetological Review*, 39:102.

MANUSCRIPTS IN PRESS, SUBMITTED, AND IN PREP:

8. CHRISTIANSEN JL, **DAVIS DR**, LADUC TJ. *Submitted*. A chronic sloughing shell disease of Yellow Mud Turtles (*Kinosternon flavescens*) associated with a common filamentous algae (*Basycladia chelonum*). *Journal of Herpetology*.
7. **DAVIS DR**, FARKAS JK. *Submitted*. New county records of amphibians and reptiles from South Dakota, USA. *Herpetological Review*.
6. **DAVIS DR**, FARKAS JK, KRUISSSELBRINK TR*, WATTERS JL, ELLSWORTH ED, KERBY JL, SILER CD. *Submitted*. Prevalence and distribution of ranavirus in amphibians from southeastern Oklahoma, USA. *Herpetological Conservation and Biology*.
5. **DAVIS DR**. *In press*. Geographic distribution: USA, South Dakota, Brule Co.: *Heterodon platirhinos* (Eastern Hog-nosed Snake). *Herpetological Review*.

4. SMITH SN*, WATTERS JL, MARHANKA EC*, McMILLIN SL*, **DAVIS DR**, FARKAS JK, SILER CD. *In press*. Investigating seasonal variation of ranavirus in central Oklahoma amphibians. *Herpetological Review*.
3. WATTERS JL, **DAVIS DR**, YURI T, SILER CD. *Submitted*. Concurrent infection of *Batrachochytrium dendrobatidis* and ranavirus among native amphibians from northeastern Oklahoma, USA. *Journal of Aquatic Animal Health*.
2. McMILLIN SL*, WATTERS JL, MARHANKA EC*, **DAVIS DR**, FARKAS JK, KERBY JL, SILER CD. *Submitted*. Seasonality in *Batrachochytrium dendrobatidis* detection in amphibians in central Oklahoma. *The Southwestern Naturalist*.
1. SILER CD, HEITZ BB*, **DAVIS DR**, FREITAS ES, AOWPHOL A, TERMPRAYOON K, GRISMER LL. *Submitted*. New supple skink, genus *Lygosoma* (Reptilia: Squamata: Scincidae) from Thailand and redescription of *Lygosoma quadrupes* (Linnaeus, 1766). *Journal of Herpetology*.

RESEARCH GRANTS:

(TOTAL AWARDED: \$210,687)

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21. Understanding the effects of the herbicide glyphosate on the microbiome of the False Map Turtle
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
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
Prairie Biotic Research, Inc.: Small Grants Program (\$1,000); March 2017
 18. Determining co-infection rates of two pathogens in Philippine amphibians
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
South Dakota Game, Fish and Parks: Wildlife Action Grant (\$148,287); August 2016
 16. Estimating the prevalence of ranaviruses in Philippine amphibians
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
Nebraska Herpetological Society: Herpetological Grant Program (\$500); April 2015
 14. Establishing a protocol to culture ranaviruses at the University of South Dakota
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, *Lithobates blairi*
University of South Dakota: CURCS (\$750); November 2014
 12. Status of salamander species in South Dakota
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
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
American Society of Ichthyologists and Herpetologists: Gaige Award (\$500); May 2013
 9. Examining the prevalence of ranaviruses in amphibians from northeast Nebraska
Nebraska Herpetological Society: Herpetological Grant Program (\$500); April 2013

8. Antipredator behavior and stress of an aquatic salamander in response to invertebrate predators
Texas Academy of Science: Research Proposal Award (\$2,000); March 2012
7. *Gambusia* predation on Central Texas *Eurycea* salamander eggs and larvae
Texas State University: Francis Rose Research Award (\$700); March 2012
6. Behavioral response of a neotenic salamander to chemical stimuli of novel congeners
Student Undergraduate Research Fund: Texas State University (\$1,000); November 2011
5. Do introduced predators differentially influence the behavior and physiological stress response of the threatened San Marcos Salamander, *Eurycea nana*?
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*?
Texas Herpetological Society: Grants-in-Herpetology (\$500); April 2011
3. Predator recognition of the Fern Bank Salamander, *Eurycea pterophila*
Texas State University: Francis Rose Research Award (\$500); March 2011
2. Morphological variation between disjunct populations of *Plethodon albagula*
University Co-op: Undergraduate Research Fellowship (\$1,000); April 2009
1. Morphological variation between disjunct populations of *Plethodon albagula*
Texas Academy of Science: Undergraduate Proposal Award (\$1,000); April 2009

INVITED PRESENTATIONS:

4. **DAVIS DR.** Understanding the distributions of South Dakota amphibians and reptiles: a synthesis of recent, historic, and citizen science records. South Dakota Chapter of The Wildlife Society; Oacoma, SD; February 2018
3. **DAVIS DR.** Status and Distributions of South Dakota Herpetofauna. Department Seminar, Department of Biology, University of South Dakota, Vermillion, SD; September 2015
2. **DAVIS DR.** Updating the Distributions of Amphibians and Reptiles in South Dakota. Midwest Partners in Amphibian and Reptile Conservation (MWPARC), Lawrence, KS; July 2015
1. **DAVIS DR.** Ecology and Conservation of Central Texas *Eurycea*. Austin Herpetological Society; Austin, TX; February 2012

PRESENTATIONS:

* *undergraduate author*

38. **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, TX; July 2017 *Society for the Study of Amphibians and Reptiles, Victor Hutchinson Award (Physiology & Morphology)
37. **DAVIS DR.**, KERBY JL. Physiological stress and pathogen infection in larval salamanders from agricultural wetlands. Joint Meeting of Ichthyologists and Herpetologists; Austin, TX; July 2017
36. **DAVIS DR.**, SILER CD, KERBY JL. Co-infection of *Batrachochytrium dendrobatidis* and ranavirus in amphibians from the Philippines. University of South Dakota IdeaFest; Vermillion, SD; April 2017
35. **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 120th Annual Meeting; Belton, TX; March 2017

34. **DAVIS DR**, KERBY JL. Environmental contaminants, physiological stress, and ranavirus infection in salamanders from South Dakota wetlands. IRCEB Amphibian Pathogens Annual Meeting; Tempe, AZ; November 2016
33. **DAVIS DR**, BENDIK NF, ZABIEREK KC, GABOR CR. The effects of urbanization on physiological stress of Jollyville Plateau salamanders. Southwest Partners in Amphibian and Reptile Conservation (SWPARC), Alpine, TX; August 2016
32. **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, LA; July 2016
31. **DAVIS DR**, SILER CD, KERBY JL. *Batrachochytrium dendrobatidis* and ranavirus infection in amphibians from Luzon Island, Philippines. University of South Dakota IdeaFest; Vermillion, SD; April 2016
30. **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, KS; July 2015
29. **DAVIS DR**, SCHWARZ MS, KERBY JL. Effects of agricultural tile drainage and contaminants on wetland amphibians. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, SD; April 2015
28. **DAVIS DR**, JOHANNSEN RE*, KERBY JL. Updating the distributions of amphibians and reptiles in South Dakota. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, SD; April 2015
27. **DAVIS DR**, SCHWARZ MS, KERBY JL. Effects of agricultural tile drainage on wetland communities. University of South Dakota IdeaFest; Vermillion, SD; April 2015
26. **DAVIS DR**, SCHWARZ MS, KERBY JL. Assessing wetland degradation and contamination due to agricultural tile drainage. Texas Academy of Science 118th Annual Meeting; San Antonio, TX; March 2015
25. **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, SD; February 2015
24. **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, SD; February 2015
23. **DAVIS DR**, SCHWARZ MS, KERBY JL. Effects of agricultural tile drainage on amphibians in eastern South Dakota. Joint Meeting of Ichthyologists and Herpetologists; Chattanooga, TN; August 2014 *Society for the Study of Amphibians and Reptiles, Henri Siebert Award (Conservation)
22. **DAVIS DR**, GABOR CR. Stress response of the salamander, *Eurycea nana*, to native and introduced predators. 6th Conference on the Biology of Plethodontid Salamanders; Tulsa, OK; May 2014
21. **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, ND; April 2014
20. **DAVIS DR**, KERBY JL. Impacts of agricultural tile drainage on ranavirus prevalence in eastern tiger salamanders. University of South Dakota IdeaFest; Vermillion, SD; April 2014
19. **DAVIS DR**, BENDIK NF, ZABIEREK KC, GABOR CR. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Texas Academy of Science 117th Annual Meeting; Galveston, TX; March 2014
18. **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, SD; February 2014

17. **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, TX; January 2014
16. **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, MN; August 2013
15. **DAVIS DR**, BROWN RM, DIEMOS AC, SILER CD. Morphology-based species delimitation in Philippine slender skinks: evaluation of the *Brachymeles bonitae* complex. Joint Meeting of Ichthyologists and Herpetologists; Albuquerque, NM; July 2013 *Herpetologists' League, Graduate Student Presentation Award
14. **DAVIS DR**, BENDIK NF, GABOR CR. Assessing Jollyville Plateau salamander stress in urban and rural streams. Dakota Amphibian and Reptile Network (DARN) Meeting; Vermillion, SD; May 2013.
13. **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, SD; April 2013
12. **DAVIS DR**, GABOR CR. Stress response of the salamander, *Eurycea nana*, to native and introduced predators. Animal Behavior Society Conference; Albuquerque, NM; June 2012
11. **DAVIS DR**, GABOR CR. Stress response of the San Marcos salamander, *Eurycea nana*, to native and introduced predators. *EuryceAlliance* 2012 Meeting; San Marcos, TX; May 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 115th Annual Meeting; Alpine, TX; 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, TX; October 2011
8. **DAVIS DR**, GABOR CR. Generalization of introduced predators by a threatened salamander. Animal Behavior Society Conference; Bloomington, IN; July 2011
7. **DAVIS DR**, GABOR CR. Generalization of introduced predators by a threatened salamander (*Eurycea nana*). *EuryceAlliance* 2011 Meeting; San Marcos, TX; June 2011
6. **DAVIS DR**, GABOR CR. Phylogenetic generalization of predators by the San Marcos salamander, *Eurycea nana*. Texas State University 16th Annual Colloquium; San Marcos, TX; April 2011
5. **DAVIS DR**, GABOR CR. Phylogenetic generalization of predators by the San Marcos salamander, *Eurycea nana*. Texas Academy of Science 114th Annual Meeting; Austin, TX; 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 15th Annual Colloquium; San Marcos, TX; 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 113th Annual Meeting; Stephenville, TX; March 2010
2. **DAVIS DR***, PAULY GB. Morphological variation in the western slimy salamander, *Plethodon albagula*, of Central Texas. Southwestern Association of Naturalists 55th Annual Meeting; Memphis, TN; 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, TX; April 2008

COAUTHORED PRESENTATIONS:

* undergraduate author

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, SD; November 2017.
41. BUTTERFIELD MB*, **DAVIS DR**, MADISON JD, 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, SD; August 2017
40. AUSTIN SD*, **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, SD; August 2017
39. MILLIKIN AR, WOODLEY SK, **DAVIS DR**, ANDERSON JT. Factors influencing salamander hormones in created wetlands. Joint Meeting of Ichthyologists and Herpetologists; Austin, TX; July 2017
38. ELLSWORTH ED, WATTERS JL, **DAVIS DR**, FARKAS JK, SILER CD. Ranavirus detection in southeastern Oklahoma. Southwestern Association of Naturalists 64th Annual Meeting; Lawton, OK; April 2017
37. POLLEMA CD*, FARKAS JK, **DAVIS DR**, KERBY JL. The effect of agricultural runoff on invertebrates and fish in the Prairie Pothole Region. University of South Dakota IdeaFest; Vermillion, SD; April 2017
36. LEONARD KM*, **DAVIS DR**, KERBY JL. Behavioral and developmental effects of imidacloprid on larval Western Tiger Salamanders (*Ambystoma mavortium*). University of South Dakota IdeaFest; Vermillion, SD; April 2017
35. JOHANNSEN RE*, **DAVIS DR**, KERBY JL. Updating the distributions of South Dakota amphibian and reptile species. University of South Dakota IdeaFest; Vermillion, SD; April 2017
34. KERBY JL, **DAVIS DR**, FARKAS JK, JARCHOW ME, SCHWARZ MS, WESNER JS. Evaluation of agricultural tile drain exposure and effects on wetland communities. Missouri River Institute Symposium; Vermillion, SD; March 2015
33. MILLIKIN AR, WOODLEY SK, **DAVIS DR**, ANDERSON JT. Factors influencing salamander hormones in created wetlands. WVU Institute of Water Security and Science Spring Symposium; Morgantown, WV; February 2017
32. MILLIKIN AR, WOODLEY SK, **DAVIS DR**, ANDERSON JT. Factors influencing salamander hormones in created wetlands. WVU Institute of Water Security and Science Spring Symposium; Morgantown, WV; February 2017
31. GABOR CR, BENDIK NF, KIM DS, **DAVIS DR**, ZABIEREK KC. Urbanization is associated with changes in baseline and environmental corticosterone in a stream dwelling salamander. *EuryceAlliance* 2016 Meeting; Austin, TX; December 2016
30. GABOR CR, BENDIK NF, KIM DS, **DAVIS DR**, ZABIEREK KC. Urbanization is associated with changes in baseline and environmental corticosterone in a stream dwelling salamander. Texas Herpetological Society Symposium; Stephenville, TX; November 2016
29. GABOR CR, **DAVIS DR**, ZABIEREK KC, BENDIK NF. The effects of urbanization on the physiological stress of Jollyville Plateau salamanders. Special Highlands Conference on Plethodontid Salamander Biology; Highlands, NC; August 2016
28. FARKAS JK, **DAVIS DR**, HENRY BL, 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, WI; July 2016

27. JOHANNSEN RE*, **DAVIS DR**, KERBY JL. Updating the distributions of South Dakota amphibian and reptile species. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, LA; July 2016
26. MILLIKIN AR, 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, LA; July 2016
25. FARKAS JK, **DAVIS DR**, HENRY BL, WESNER JS, KERBY JL. The effect of agricultural runoff on fish in the Prairie Pothole Region. Joint Meeting of Ichthyologists and Herpetologists; New Orleans, LA; July 2016
24. JOHANNSEN RE*, **DAVIS DR**, KERBY JL. Updating the distributions of South Dakota amphibian and reptile species. University of South Dakota IdeaFest; Vermillion, SD; April 2016
23. FARKAS JK, **DAVIS DR**, HENRY BL, WESNER JS, KERBY JL. The effect of agricultural runoff on fish in the Prairie Pothole Region. Missouri River Institute Symposium; Vermillion, SD; April 2016
22. **DAVIS DR**, HENRY BL, FARKAS JK, WARMBOLD JWW, 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, SD; December 2015
21. KERBY JL, **DAVIS DR**. The search for the mudpuppy. South Dakota Game, Fish and Parks Region 3 Meeting; Brookings, SD; December 2015
20. FLANAGAN RL*, WATTERS JL, **DAVIS DR**, FARKAS JK, PENROD ML*, LABONTE MJ*, 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, KS; July 2015
19. KOCH AD*, **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, SD; April 2015
18. KOCH AD*, **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, SD; April 2015
17. GABOR CR, BENDIK NF, **DAVIS DR**, ZABIEREK KC, MONDELLI MJ. The effects of urbanization on the physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Texas Herpetological Society Symposium; San Marcos, TX; November 2014
16. GABOR CR, BENDIK NF, **DAVIS DR**, ZABIEREK KC, MONDELLI MJ. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. *EuryceAlliance* 2014 Meeting; Austin, TX; June 2014
15. GABOR CR, BENDIK NF, **DAVIS DR**, ZABIEREK KC, MONDELLI MJ. The effects of urbanization on physiological stress of Jollyville Plateau salamanders. 6th Conference on the Biology of Plethodontid Salamanders; Tulsa, OK; May 2014
14. FERGUSON KJ*, **DAVIS DR**, KERBY JL. Effects of agricultural tile drainage on stress hormones in Eastern tiger salamanders. University of South Dakota IdeaFest; Vermillion, SD; April 2014
13. DESANTIS DL*, GABOR CR, **DAVIS DR**. Invertebrate predator recognition and avoidance in the endangered Barton Springs salamander, *Eurycea sosorum*. Texas Academy of Science 117th Annual Meeting; Galveston, TX; March 2014

12. BENDIK NF, **DAVIS DR**, ZABIEREK KC, GABOR CR. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Society for Integrative and Comparative Biology Annual Meeting; Austin, TX; January 2014
11. FERGUSON KJ*, **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, SD; 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, CO; July 2013
9. CHRISTIANI TJ*, **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, SD; 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, KS; April 2013
7. DESANTIS DL*, **DAVIS DR**, GABOR CR. Chemically-mediated predator avoidance in the Barton Springs salamander. Animal Behavior Society Conference; Albuquerque, NM; June 2012
6. DESANTIS DL*, **DAVIS DR**, GABOR CR. Chemically-mediated predator avoidance in the Barton Springs salamander, *Eurycea sosorum*. *EuryceAlliance* 2012 Meeting; San Marcos, TX; May 2012
5. DESANTIS DL*, **DAVIS DR**, GABOR CR. Chemically-mediated predator recognition in the Barton Springs salamander, *Eurycea sosorum*. Texas State University 17th Annual Colloquium; San Marcos, TX; March 2012
4. DESANTIS DL*, **DAVIS DR**, GABOR CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas Academy of Science 115th Annual Meeting; Alpine, TX; March 2012
3. DESANTIS DL*, **DAVIS DR**, GABOR CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas State Undergraduate Research Conference; San Marcos, TX; December 2011
2. DESANTIS DL*, **DAVIS DR**, GABOR CR. Predator recognition and response in the Barton Springs salamander, *Eurycea sosorum*. Texas Herpetological Society Symposium; Austin, TX; October 2011.
1. GABOR CR, **DAVIS DR**. Stress in *Eurycea nana*. *EuryceAlliance* 2011 Meeting; San Marcos, TX; June 2011

TEACHING EXPERIENCE:

Instructor of Record, Department of Biology, University of South Dakota, Vermillion, SD

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| Fall 2015 | Herpetology (BIOL 434) |
| Fall 2015 | Herpetology Lab (BIOL 434L) |

Teaching Assistant, Department of Biology, University of South Dakota, Vermillion, SD

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| 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, TX

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| Spring 2012 | General Entomology Lab (BIO 4465/5465) |
| | Organismal Biology Lab (BIO 1131) |
| Fall 2011 | Organismal Biology Lab (BIO 1131) |

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| 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:

11. AMPHIBIANS AND REPTILES. Mount Marty College, Division of Natural Sciences, BIO 241: Zoology; Yankton, SD; April 2017
10. EMERGING INFECTIOUS DISEASES IN AMPHIBIANS. University of Oklahoma, Department of Biology, BIOL 4083: Herpetology; Norman, OK; 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, SD; April 2016
8. AMPHIBIANS AND REPTILES. Mount Marty College, Division of Natural Sciences, BIO 241: Zoology; Yankton, SD; April 2016
7. ECOSYSTEMS. University of South Dakota, Department of Biology, BIOL 151: General Biology I; Vermillion, SD; September 2015
6. COMMUNITY ECOLOGY. University of South Dakota, Department of Biology, BIOL 151: General Biology I; Vermillion, SD; September 2015
5. COMMUNITY ECOTOXICOLOGY. University of South Dakota, Department of Biology, BIOL 466/566: Environmental Toxicology and Contamination; Vermillion, SD; April 2015
4. EMERGING INFECTIOUS DISEASES IN AMPHIBIANS. University of Oklahoma, Department of Biology, BIOL 4083: Herpetology; Norman, OK; March 2015
3. ENDANGERED SPECIES IN FRESHWATER ENVIRONMENTS. University of South Dakota, Department of Biology, BIOL 412/512: Freshwater Ecology; Vermillion, SD; 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, SD; November 2013
1. SIR MODELING IN DISEASE ECOLOGY. University of South Dakota, Department of Biology, UHON 390/BIOL 791: Disease Ecology; Vermillion, SD; March 2013

PROFESSIONAL EMPLOYMENT:

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|--------------|---|
| 2016 | Natural History Collection Consultant, A. Jewell Schock Museum of Natural History, Wayne State College; Wayne, NE <ul style="list-style-type: none"> • Consultant for updating and curating fluid specimens |
| 2014 | Contract Biologist, HDR, Inc.; Sioux Falls, SD <ul style="list-style-type: none"> • Conducted surveys for the state endangered Lined Snake (<i>Tropidoclonion lineatum</i>) • Consultant for designation and placement of Lined Snake Conservation Area |
| 2015 | Instructor of Record, Department of Biology, University of South Dakota, Vermillion, SD |
| 2013–present | Research Assistant, Department of Biology, University of South Dakota, Vermillion, SD |
| 2012, 2013 | Teaching Assistant, Department of Biology, University of South Dakota, Vermillion, SD |
| 2012–present | Herpetology Collections Manager, Department of Biology, University of South Dakota, Vermillion, SD |

- 2010–2012 Instructional Assistant, Department of Biology, Texas State University, San Marcos, TX
- 2008 Research Assistant, Texas Natural Science Center, Texas Natural History Collections, Austin, TX
- 2007–2010 Research Assistant, Dr. Mary Poteet Lab, Department of Integrative Biology, University of Texas, Austin, TX
- 2007–2008 Curatorial Assistant, Biodiversity Collections, Department of Integrative Biology, University of Texas, Austin, TX
- 2007–2008 Temporary Environmental Scientist, City of Austin, Department of Watershed Protection and Development, Austin, TX
- 2006–2009 Lab Technician, Dr. Camille Parmesan Lab, Department of Integrative Biology, University of Texas, Austin, TX

UNDERGRADUATES SUPERVISED:

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 of False Map Turtles in the Missouri River, South Dakota. University of South Dakota (U. Discover Scholar); April 2017–present
7. KALIE M. LEONARD: The effects of the neonicotinoid clothianidin on larval Western Tiger Salamanders. University of South Dakota (U. Discover Scholar); February 2015–present
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, *Lithobates 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 & 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 Eastern Tiger Salamanders, *Ambystoma tigrinum*. University of South Dakota (U. Discover Scholar); January 2013–May 2014
2. MICHAEL J. EDWARDS: *Gambusia* predation on Central Texas *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

AWARDS, SCHOLARSHIPS, AND HONORS:

- July 2017 Victor Hutchinson Presentation Award (Physiology & Morphology), Society for the Study of Amphibians and Reptiles
- June 2017 Johnson Memorial Travel Award, University of South Dakota, Department of Biology
- June 2016 Kevin Honness Memorial Scholarship, Great Plains Natural Science Society

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| August 2014 | Henri Siebert Presentation Award (Conservation), Society for the Study of Amphibians and Reptiles |
| July 2013 | Graduate Research Presentation Award (2nd Place), Herpetologists' League |
| June 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 |
| May 2013 | Travel Award, American Society of Ichthyologists and Herpetologists |
| May 2013 | Travel Award, Society for the Study of Amphibians and Reptiles |
| 2011, 2012 | Travel Award, Department of Biology, Texas State University |
| March 2008 | Intellectual Entrepreneurship Travel Award, University of Texas at Austin |
| 2013–2017 | Louella E. Cable Memorial Scholarship, University of South Dakota |
| April 2011 | Associated Student Government Scholarship, Texas State University |
| 2010, 2011 | Graduate College Scholarship, Texas State University |
| 2012–present | University of South Dakota: Academic Honors |
| 2010–2012 | Texas State University: Academic Honors |
| 2005–2009 | University of Texas at Austin: Academic Honors |

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

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| 2007–present | American Society of Ichthyologists and Herpetologists (ASIH) |
| 2007–present | Herpetologists' League (HL) |
| 2007–present | Society for the Study of Amphibians and Reptiles (SSAR) |
| 2013–present | Midwest Partners in Amphibian and Reptile Conservation (MWPARC) |
| 2007–present | Texas Herpetological Society (THS) |
| 2012–present | Dakota Amphibian and Reptile Network (DARN) |
| 2012–present | Nebraska Herpetological Society (NHS) |
| 2016–present | Ohio Biological Survey (OBS) |
| 2011–present | <i>EuryceAlliance</i> |
| 2010–present | Animal Behavior Society (ABS) |
| 2010–present | Ecological Society of America (ESA) |
| 2013–present | Society for Integrative and Comparative Biology (SICB) |
| 2013–present | Global Ranavirus Consortium (GRC) |
| 2015–present | Society of Environmental Toxicology and Contaminants (SETAC) |
| 2013–present | Great Plains Natural Science Society (GPNSS) |
| 2014–present | The Wildlife Society: South Dakota Chapter (SDTWS) |
| 2007–present | Southwestern Association of Naturalists (SWAN) |
| 2007–present | Texas Academy of Science (TAS) |

SERVICE:

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|--------------|---|
| 2015–present | Advisory Board Member; Midwest Partners in Amphibian and Reptile Conservation |
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- 2013–present Copy Editor, *Herpetological Review*; Society for the Study of Amphibians and Reptiles
- 2012–present Manuscript Review:
Acta Ethologica (2011), *Amphibia-Reptilia* (2012, 2013); *Behavioral Ecology and Sociobiology* (2016); *Behaviour* (2016); *Biology Letters* (2015); *Copeia* (2015); *Herpetologica* (2016); *Herpetological Conservation and Biology* (2014); *The Herpetological Journal* (2015); *Herpetological Review* (2016, 2017, 2018); *Hydrobiologia* (2014); *Journal of Herpetology* (2015); *Raffles Bulletin of Zoology* (2017); *Zoologica Neocaledonica* (2013); *Zoology* (2015); *Zootaxa* (2017)
- July 2017 Snakes of Sioux Falls; Sioux Falls Animal Control, Sioux Falls, SD
- January 2017 Amphibian Disease Analysis Workshop; University of Oklahoma, Norman, OK
- June 2015 Instructor, Amphibian and Reptile Collecting and Preservation Workshop; Oglala Lakota College, Pine Ridge Indian Reservation, Kyle, SD
- March 2015 Amphibian Disease Sampling Workshop; University of Oklahoma, Norman, OK
- 2015–present University of South Dakota: Graduates in Ecology, Behavior, and Evolution (GrEBE) Discussion Group
- 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)
- 2010–2012 Texas State University: Ecology, Evolution, and Behavior (EEB) Discussion Group

OUTREACH:

- July 2017 Sioux Falls Animal Control, Snake Removal and Transport; Sioux Falls, SD
- May 2017 Missouri River Watershed Festival: Wetland Ecology; Yankton, SD
- May 2017 College and Career Fair, Tea Area High School; Tea, SD
- April 2017 USD Biology Club Outreach; Earth Week Festival; Vermillion, SD
- 2016–present Amphibians and Reptiles of South Dakota: iNaturalist Project Manager
- October 2016 Acorn Academy Co-op Outreach: Insect Metamorphosis; Vermillion, SD
- April 2016 FrogWatch USA Outreach; Earth Week Festival; Vermillion, SD
- July 2015 Family Fun Day Outreach: South Dakota Amphibians and Reptiles; Vermillion, SD
- June 2015 FrogWatch USA Volunteer Training; Oglala Lakota College; Pine Ridge Indian Reservation, Kyle, SD
- May 2015 Missouri River Watershed Festival: Wetland Ecology; Yankton, SD
- February 2015 Girl Scouts of America, World Thinking Day: Amphibians and Reptiles; Vermillion, SD
- October 2014 Winnebago Indian Reservation Outreach: Wetland Ecology and Amphibian Conservation; Vermillion, SD
- May 2014 Missouri River Watershed Festival: Wetland Ecology; Yankton, SD
- April 2014 Great Plains Zoo, Party for the Planet: FrogWatch USA; Sioux Falls, SD

March 2014 South Dakota Science Olympiad State Tournament: Water Quality; Vermillion, SD
2013–2014 Amphibian Biologist Advisor; Platte-Geedes Elementary School; Platte, SD
July 2013 Lawrence Brothers Science Camp: Forensic Entomology; Vermillion, SD
May 2013 Missouri River Watershed Festival: Wetland Ecology; Yankton, SD
2007–2012 Texas Memorial Museum Outreach: ID Days, Darwin Day, Explore UT; Austin, TX

REFERENCES:

Dr. Jacob L. Kerby

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Dr. Gregory B. Pauly

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