

# DREW R. DAVIS

PH.D. CANDIDATE

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## EDUCATION:

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- 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:

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\* *undergraduate author*

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\*, DIEMOS AC, DIEMOS 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. DIEMOS 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, DIEMOS 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, DIEMOS 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\*, DIEMOS AC, DIEMOS 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, SIDMONS 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. SIDONS 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**, SIDONS 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 wilkinsonii* (Chihuahuan Lyre Snake) Arboreality. *Herpetological Review*, 39:102.

#### MANUSCRIPTS IN PRESS, SUBMITTED, AND IN PREP:

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6. SMITH SN\*, WATTERS JL, MARHANKA EC\*, McMILLIN SL\*, **DAVIS DR**, FARKAS JK, SILER CD. *Submitted*. Investigating seasonal variation of ranavirus in central Oklahoma amphibians. *Herpetological Review*.
5. **DAVIS DR**, LADUC TJ. *Submitted*. Amphibians and reptiles of C. E. Miller Ranch and the Sierra Vieja Range, Chihuahuan Desert, Texas, USA. *ZooKeys*.
4. 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*.
3. **DAVIS DR**, FARKAS JK, KRUISSELBRINK TR\*, WATTERS JL, ELLSWORTH ED, KERBY JL, SILER CD. *Submitted*. Prevalence and distribution of ranavirus in amphibians from southeastern Oklahoma, USA. *Diseases of Aquatic Organisms*.

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: Gage 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:

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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:

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\* *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 120<sup>th</sup> 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 118<sup>th</sup> 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. 6<sup>th</sup> 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 117<sup>th</sup> 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 115<sup>th</sup> 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 16<sup>th</sup> 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 114<sup>th</sup> 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 15<sup>th</sup> 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 113<sup>th</sup> 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 55<sup>th</sup> 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

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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 64<sup>th</sup> 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*. *EuryceaAlliance* 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 117<sup>th</sup> 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 115<sup>th</sup> 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:

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

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

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

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

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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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"> <li>• Consultant for updating and curating fluid specimens</li> </ul>  |
| 2014         | Contract Biologist, HDR, Inc.; Sioux Falls, SD <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, 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:

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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:

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- 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
- 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
2013–present	Copy Editor, <i>Herpetological Review</i> ; Society for the Study of Amphibians and Reptiles
2012–present	Manuscript Review: <i>Acta Ethologica</i> (2011), <i>Amphibia-Reptilia</i> (2012, 2013); <i>Behavioral Ecology and Sociobiology</i> (2016); <i>Behaviour</i> (2016); <i>Biology Letters</i> (2015); <i>Copeia</i> (2015); <i>Herpetologica</i> (2016); <i>Herpetological Conservation and Biology</i> (2014); <i>The Herpetological Journal</i> (2015); <i>Herpetological Review</i> (2016, 2017); <i>Hydrobiologia</i> (2014); <i>Journal of Herpetology</i> (2015); <i>Raffles Bulletin of Zoology</i> (2017); <i>Zoologica Neocaledonica</i> (2013); <i>Zoology</i> (2015); <i>Zootaxa</i> (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:

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- 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:

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Dr. Jacob L. Kerby

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