

DEAN A. WILLIAMS

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Educational Background

2000 Ph.D. Ecology, Purdue University, West Lafayette, IN
1991 M.S. Biology, University of Alabama in Huntsville, Huntsville, AL
1988 B.A. with honors, Biology, Coe College, Cedar Rapids, IA
1985 A.A. Kirkwood Community College, Cedar Rapids, IA

Year of Appointment to the University and Rank

2019 – present Professor, Department of Biology
2013 – 2019 Associate Professor, Department of Biology
2007 – 2013 Assistant Professor, Department of Biology

Previous Teaching and Research Appointments

2005 – 2007 Assistant Scientist, Rosenstiel School of Marine & Atmospheric Science, University of Miami, FL
2004 – 2005 DNA Core Facility Supervisor, Postdoctoral Associate, and Instructor, Department of Biology, University of Miami, FL
2001 – 2004 Postdoctoral Associate, Department of Biology, University of Miami, FL
2001 Instructor, Purdue University, W. Lafayette, IN

Teaching Responsibilities

At TCU

- BIOL 10003 Contemporary Issues in Biology
- BIOL 30403 Ecology and the Environment
- BIOL 40021 Introduction to Biological Research
- BIOL 40153/60153 Conservation Genetics
- BIOL 40163/60163 Avian Biology
- BIOL 50903 Tropical Biology
- BIOL 60100 Current Research in Biology Seminar

Elsewhere

- BIL 104 Genetics and Society (University of Miami, FL)
- BIL 151 Introductory Biology Laboratory (Howard Hughes Medical Institute Freshman Research Lab) (University of Miami, FL)
- AP Environmental Science Workshop (Purdue University)

External Support

Received (Total received at TCU \$1,513,849)

- 2025 – AERF - Genetic determination of biotypes in Cuban bulrush. \$1,000.
- 2024 – AERF – Genetic determination of biotypes in Cuban bulrush. \$1,000.
- 2023-2026 – NSF. Impact of learning modalities on science and mathematics teachers’ effectiveness and retention. With M. Weinburgh (PI), Dean Williams (Co-PI), Melissa Demetrikopoulos (Co-PI). \$999,890.
- 2022-2024: USACE. Developing genetic markers to track dispersal in two biological control agents of alligatorweed. With MC Hale. \$67,350.
- 2020-2022: USACE. Molecular survey for a recently introduced genotype of hydrilla (*Hydrilla verticillata* L.f. Royle) in the United States. \$83,525.
- 2017: Wildlife Diversity Conservation Grant (Texas Parks and Wildlife). Diet analyses of Texas horned lizards living in small towns. \$9,664.
- 2016 – 2017: USACE. Improvement of biological control agents for the monoecious biotype of hydrilla in the United States. \$17,082.
- 2014 – 2015: USACE. Improvement of biological control agents for the monoecious biotype of hydrilla in the United States. \$9,000.
- 2014 – 2015: USDA. Quarantine risk assessment studies for classical biological control of Brazilian pepper. With GS Wheeler. \$20,000.
- 2013 – 2014: USACE. Improvement of biological control agents for the monoecious biotype of hydrilla in the United States. \$24,000.
- 2012: Rufford Small Grants Foundation. Developing a simple census method for endangered marine otters. With D. Biffi. \$9,000.
- 2009 – 2011: Florida Fish and Wildlife Conservation Commission. Detecting cryptic invasions of *Phragmites australis* in Florida waterways using genetic markers. With WA Overholt. \$30,200.
- 2006 – 2012: Florida Fish and Wildlife Conservation Commission, Florida Department of Environmental Protection, Osceola County, South Florida Water Management District, St. Johns Water Management District: Foreign exploration for natural enemies of *Hydrilla verticillata* in East Africa. With WA Overholt and JP Cuda. \$96,975 (\$73,175 to TCU).
- 2007 – 2011: USDA. Quarantine risk assessment studies for classical biological control of Brazilian pepper. With GS Wheeler and W Cabrera. \$80,000.
- 2009 – 2010: Florida Fish and Wildlife Conservation Commission. Genotype matching to select the most effective biological control agents of Brazilian peppertree. With WA Overholt. \$16,500.
- 2008 – 2009: Wildlife Diversity Conservation Grants, Horned Lizard License Plate Fund (Texas Parks and Wildlife). Conservation genetics of the Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$58,963.
- 2008 – 2009: Research Initiative Grant. Genotype matching to select the most effective biological control agents of Brazilian peppertree. University of Florida. With WA Overholt and JP Cuda. \$13,500.
- 2006 – 2008: Florida Department of Environmental Protection: *Dioscorea bulbifera*: Characterization of genetic diversity in Florida and exploration for natural enemies. With WA Overholt and MA Andreu (advisory role).
- 1997: Chicago Zoological Society: Genetics and viability of small tropical vertebrate populations. With KN Rabenold and MC Yaber. \$5,000.
- 1994: Sigma Xi Research Grant: Alternative routes to fitness in complex societies for young brown jays. \$375.
- 1994: American Museum of Natural History (Frank M. Chapman Fund Award): Alternative pathways to fitness in complex social groups. \$960.
- 1993: National Science Foundation Dissertation Improvement Grant (DEB93-11491): Fitness components and ontogenies in complex societies. With KN Rabenold. \$13,800.
- 1992 – 1995: Ruth Hindman Foundation Grant. \$6,000.
- 1989: Ruth Hindman Foundation Grant. \$1,500.
- 1989: American Museum of Natural History (Frank M. Chapman Fund Award): Coalition formation in a cooperatively breeding bird. \$400.

- 1989: Alabama Academy of Science Research Grant. \$250.

Internal Support (Total received at TCU \$133,243)

- 2025 Buddy Davidson Sustainability Research Fund – \$1,885
- 2025 SERC – K. Moberly, \$1,489.98
- 2025 SERC – N. Gill, \$1,283
- 2025 SERC – K. Gangbin, \$1,946
- 2024 SERC – L. Winter, \$1,495
- 2023 SERC – U. Oles - student research project. \$2,000.
- 2022 SERC – S. Licari – student research project. \$2,000.
- 2021 SERC – P. Elliott, P. Ryan, R. Alenius, M. Tucker – student research projects. \$5,100.
- 2020 SERC – J. Garvey – student research project. \$1,119.
- 2019 Andrews Institute of Mathematics & Science Education Research Grant – Thermal ecology of Texas horned lizards. \$2,000.
- 2019 RCAF – Thermal ecology of Texas horned lizards in small Texas towns. \$4,500.
- 2019 SERC – A. Chipps, T. Stevens, R. Alenius, M. Tucker, J. James, J. Joyce – student research projects. \$15,925.
- 2018 Andrews Institute of Mathematics & Science Education Research Grant – Foraging behavior of Texas horned lizards. \$2,100.
- 2018 RCAF – Is predation of Texas horned lizards lower in town than in natural areas? \$4,500.
- 2018 SERC – K. Scolman – student research project. \$1,483.
- 2017 Andrews Institute of Mathematics & Science Education Research Grant – Diet Analysis of Texas horned lizards living in two small Texas towns. \$2,028.
- 2017 SERC – T. Huynh, J. Yates – student research projects. \$2,700.
- 2016 Andrews Institute of Mathematics & Science Education Research Grant – Diet Analysis of Texas horned lizards living in two small Texas towns. \$2,027.
- 2016 RCAF – Texas horned lizard demography in small Texas towns. \$4,000.
- 2016 SERC – K. Upton – student research project. \$2,345.
- 2015 SERC – A. Alenius, K. Scoggin, M. Melton, A. Trinh – student research projects. \$3,705.
- 2014 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into conservation efforts for the threatened Texas horned lizard. With AM Hale. \$2,500.
- 2014 RCAF – Demography of Texas horned lizards living in small towns. \$4,000.
- 2014 SERC – E. Do, K. Scoggin – student research projects. \$2,700.
- 2013 TCU IS – Status and movement patterns of Texas horned lizards living in urban areas. \$8,000.
- 2013 RCAF – Status and movement patterns of Texas horned lizards living in urban areas. \$4,000.
- 2013 SERC – T. Campbell, S. Fronk – student research projects. \$2,580.
- 2012 RCAF – Genetic basis of herbicide resistance in the invasive aquatic weed, *Hydrilla verticillata*. \$4,000.
- 2012 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into a conservation genetics study of the threatened Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$2,564.
- 2012 SERC – A. Schildt – student research project. \$1,300.
- 2011 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into a conservation genetics study of the threatened Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$3,000.
- 2011 URCAI – L. Langsjoen, C. Granthon – student research projects. \$2,500.
- 2010 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into a conservation genetics study of the threatened Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$3,000.

- 2010 RCAF – Estimating the incidence of multiple paternity in a transplanted population of Kemp's Ridley sea turtles. \$2,000.
- 2009 RCAF – Genetic characterization of the critically endangered painted terrapin in captivity. \$4,000.
- 2009 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into a conservation genetics study of the threatened Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$3,000.
- 2009 JFSRP – Genetic characterization of the critically endangered painted terrapin in captivity (\$6,000 for summer salary).
- 2008 RCAF – Development of microsatellite DNA markers in the invasive Brazilian peppertree, *Schinus terebinthifolius*. \$4,000.
- 2008 Andrews Institute of Mathematics & Science Education Research Grant – Incorporating K-12 outreach into a conservation genetics study of the threatened Texas horned lizard, *Phrynosoma cornutum*. With AM Hale. \$3,000.
- 2008 SERC – C. Leach, K. Ruiz-Roehrs – student projects. \$3,000.
- 2007 URCAI – C. Leach, M. Fleischer – student research projects. \$2,468.

Graduate Theses Directed

1. Zach Mann (PhD in progress)
2. Kira Gangbin (PhD in progress)
3. Ulysses Olin (MS 2024) Employing a new testing method for identifying fluridone resistance in *Hydrilla verticillata*.
4. Sarah LiCari (MS 2023) A comparison of sex ratios of bat fatalities at wind energy facilities for local and long-range migratory populations of Mexican free-tailed bats.
5. Tom Stevens (co-advised with Amanda Hale) (PhD 2022) How do habitat specialists persist in urban forests? A case study using the Great Trinity Forest.
6. Patrick Ryan (MS 2022) Thermal habitat selection of reintroduced Texas horned lizards (*Phrynosoma cornutum*).
7. Padraic Elliott (MS 2022) Microhabitat use and range size between native and reintroduced populations of Texas horned lizards (*Phrynosoma cornutum*).
8. Mary Rachel Tucker (MS 2021) Thermal ecology of Texas horned lizards (*Phrynosoma cornutum*) in small Texas towns.
9. Austin Chipps (co-advised with Amanda Hale) (MS 2020) Genetic diversity and population structure of two species of yellow bats in south Texas.
10. Steven Mirkin (MS 2019) Urban predation of Texas horned lizards (*Phrynosoma cornutum*).
11. Dustin Rhoads (MS 2019) Concealing coloration in Texas horned lizards (*Phrynosoma cornutum*).
12. Rachel Alenius (MS 2018) Diet Analysis of Texas horned lizards living in two small Texas towns.
13. Alexis Ackel (MS 2016) Census and genetic estimates of Texas horned lizard population size.
14. Carolina Granthon (MS 2015) Avian malaria and body condition in four species of songbirds.
15. Ashley Wall (MS 2014) Status and movement patterns of Texas horned lizards living in urban areas.
16. Daniella Biffi (MS 2014) Non-invasive sampling and censusing marine otters in Peru.
17. Daniel Tallent (MS 2012) Genetic variation in the pds gene and its relation to fluridone resistance in *Hydrilla verticillata*.
18. Jenny Korstian (co-advised with Dr. Amanda Hale) (MS 2012) Genetic structure of migrating red bats in Texas.
19. Anna Frankel (MS 2011) Multiple paternity in the endangered Kemp's ridley sea turtle.
20. Natalia Quinteros-Casaverde (MS 2010) Genetic structure of *Polylepis multijuga* Plige (Rosaceae) forests.
21. Meredith Hawkins (MS 2010) Genetic structure of the endangered painted terrapin (*Batagur borneoensis*) in captive breeding programs.

22. Amber Grajczyk (MS 2009) Evidence of clonal reproduction and high genetic variation in the exotic weed *Hydrilla verticillata*.

Graduate Committees

1. Spencer Levings (PhD Biology, in progress)
2. Rachel Pikstein (PhD Loma Linda University, in progress)
3. Mark Streit (PhD Loma Linda University, in progress)
4. Trinity Kassuhn (MS Biology Mississippi State University, 2025)
5. Maverick Tamayo (MS Biology, 2023)
6. Halia Eastburn (MS Biology, 2022)
7. Claire Crawbuck (MS Environmental Science, 2022)
8. Michael Segala (MS Biology, 2020)
9. Karis Kang (MS Biology, 2020)
10. Amber Schenk (MS Biology, 2020)
11. Tom Thalhuber (MS Biology, 2019)
12. Zane Winer (MS Biology, 2019)
13. Spencer Weinstein (MS Biology, 2018)
14. Cole Lindsey (MS Biology, 2017)
15. Rachel Carmickle (MS Biology, 2017)
16. Cecily Foo (MS Biology, 2016)
17. Andria Beal (MS Biology, 2016)
18. Leah Thornton (MS Biology, 2015)
19. Aaron McAlexander (MS Biology, 2013)
20. Erin Hatchet (MS Environmental Science, 2011)
21. Tom Stevens (MS Environmental Science, 2011)
22. Trevor Rubenstahl (MS Environmental Science, 2010)
23. Jeff Meyers (MS Environmental Science, 2010)
24. Ahn Nguyen (MS Biology, 2009)
25. Condred Roberts (MS Biology, 2009)
26. Shuba Subramanian (MS Biology, 2009)
27. Mathew Croxton (MS University of Florida, 2009)
28. Tauna Rankin (PhD University of Miami, FL 2009)

Presentation of Scholarly and Creative Activities

(* denotes graduate students; ** denotes undergraduate students at TCU only)

a. Refereed Publications

1. Ben Mocha Y, Woith M, Scemama de Gialluly S, Bruscaignin L, Kestel N, Markman S, Drobnik SM, Baglione V, Boersma J, Cousseau L, Covas R, Braga de Miranda GH, Dey CJ, Doutrelant C, Gula R, Heinsohn R, Keynan O, Kingma SA, Leitão AV, Li J, Makuya L, Middleton KM, Pruett-Jones S, Radford AN, Restrepo C, Rubenstein DR, Schradin C, Theuerkauf J, Warrington MH, Williams DA, Woxvold IA, Griesser M. An integrative, peer-reviewed and open-source cooperative-breeding database (Co-BreeD). 2025. An integrative, peer-reviewed and open-source cooperative-breeding database (Co-BreeD). *Journal of Animal Ecology*, 94, 2597–2614.
2. Stevens TK*, D Biffi, AS Chipps*, AM Hale, and DA Williams. 2025. Gene flow of small mammals is inhibited by highways and the urbanized habitat matrix in a large urban forest. *Ecosphere* 16:e70343.
3. Weaver SP, AM Hale, DM Nelson, SR Fritts, TE Katzner, AS Chipps*, JM Korstian*, ST LiCari*, JJ Nagel, and DA Williams. 2025. Spatiotemporal patterns in sex ratios of bat fatalities at wind energy facilities in the United States. *Global Ecology and Conservation* 61:e03672.

4. Biffi D., MR Tucker*, A Ackel*, and DA Williams. 2025. Identification of individual Texas horned lizards (*Phrynosoma cornutum*) using genotypes and ventral spot patterns. *Ecology and Evolution* 15: e71167.
5. Le Falchier E J, L Campbell, D Halbritter, GS Wheeler, J Leidi, D Williams, M Pandey, G Kiker, and CR Minter. 2025. Predicting suitable habitats for the Brazilian peppertree biological control agent *Pseudophilothrips ichini* (Thysanoptera: Phlaeothripidae) in Florida. *Biocontrol Science and Technology*, 35:338–355.
6. Thalhuber TJ*, MM Chumchal, RW Drenner, WH Nowlin, DA Williams, BD Barst, JH Kennedy, WA Mitchell, M Self, FM Willoughby, and W Zudock. 2025. Diet and methyl mercury contamination of nestling red-winged blackbirds. *Environmental Toxicology and Chemistry* 44:59-67.
7. Weinburgh MH, MK Demetrikopoulos, D Biffi, Z Shi*, JL Pecore, DA Williams, and AC Thompson. 2025. Effectiveness of science and mathematics teachers across three learning modalities post COVID-19. In K Anderson-Pence & A Ray, (Eds.). *Proceedings of the 124th annual convention of the School Science and Mathematics Association* (pp. 140-149). Vol. 12. Fort Worth, TX: SSMA.
8. Shi Z*, MH Weinburgh, MK Demetrikopoulos, J Pecore, D Williams, and D Biffi. 2024. Pros and cons of national and state databases: Learning modality return to school for stem teachers during Covid-19 era. In B Cory & A Ray, (Eds.). *Proceedings of the 123rd annual convention of the School Science and Mathematics Association* (Vol. 11). Knoxville, TN: SSMA.
9. Wall AE*, D Biffi*, A Ackel*, RW Moody, TK Stevens, and DA Williams. 2024. Small towns limit dispersal and reduce genetic diversity in populations of Texas horned lizards. *Ecology and Evolution* 14:e70112.
10. LiCari ST*, AM Hale, SP Weaver, S Fritts, T Katzner, DM Nelson, and DA Williams. 2023. Understanding fatality patterns and sex ratios of Brazilian free-tailed bats (*Tadarida brasiliensis*) at wind energy facilities in western California and Texas. *PeerJ* 11:e16580.
11. Tucker MR*, D Biffi, and DA Williams. 2023. Thermal refugia and persistence of Texas horned lizards (*Phrynosoma cornutum*) in small towns. *Ecology and Evolution* 13:e10245.
12. Harms NE, IA Knight, AB DeRosette, and DA Williams. 2023. Intraspecific trait plasticity to N and P of the wetland invader, *Alternanthera philoxeroides* under flooded conditions. *Ecology and Evolution* 13:e9966.
13. Stevens TK*, AM Hale, and DA Williams. 2023. Occupancy models disentangle the drivers of avian urban avoidance in North America's largest urban forest. *Biological Conservation* 280:109992.
14. Rhoads DD* and DA Williams. 2023. Background color-matching in the Texas horned lizard (*Phrynosoma cornutum*). *Journal of Herpetology* 57:27-35.
15. Stevens TK*, AM Hale, and DA Williams. 2023. Environmental and anthropogenic variables influence the distribution of a habitat specialist (*Sylvilagus aquaticus*) in a large urban forest. *Conservation Science and Practice* 5:e12882.
16. Canavan K, NL Magengelele, ID Paterson, DA Williams, GD Martin. 2021. Uncovering the phylogeography of *Schinus terebinthifolia* in South Africa to guide biological control. *AoB PLANTS* plab078.
17. Finger N, K Farleigh, JT Bracken, AD Leaché, O François, Z Yang, T Flouri, T Charran, T Jezkova, DA Williams, and C Blair. 2021. Genome-scale data reveal deep lineage divergence and a complex demographic history in the Texas horned lizard (*Phrynosoma cornutum*) throughout the southwestern and central United States. *Genome Biology and Evolution* 14:evab260.
18. Mirkin S*, MR Tucker*, and DA Williams. 2021. Predation release of Texas horned lizards (*Phrynosoma cornutum*) living in small towns. *Ecology and Evolution* 11:5355-5363.
19. Williams DA, NE Harms, IA Knight, BJ Grewell, CJ Futrell, and PD Pratt. 2020. High genetic diversity in the clonal aquatic weed *Alternanthera philoxeroides* in the United States. *Invasive Plant Science and Management* 13:217-225.
20. Biffi D*, A López-Mobilia, S Kelez, DA Williams, MM Chumchal, and M Weinburgh. 2020. Mislabelling and high mercury content hampers the efforts of market-based seafood initiatives in Peru. *Scientific Reports* 10:1-12.

21. Harms NE, DA Williams, and MF Purcell. 2020. The role of overseas genetic surveys to potentially accelerate biological control development for a new *Hydrilla verticillata* introduction in the USA. *BioControl* 1-10.
22. Chipps AS*, AM Hale, SP Weaver, and DA Williams. 2020. Genetic diversity, population structure, and effective population size in two yellow bat species in South Texas. *PeerJ* 8:e10348.
23. Chipps AS*, AM Hale, SP Weaver, and DA Williams. 2020. Genetic approaches are necessary to accurately understand bat-wind turbine impacts. *Diversity* 12:236.
24. Frankel AM* and DA Williams. 2020. Multiple paternity in a reintroduced rookery of Kemp's Ridley Sea Turtles on South Padre Island, Texas. *Journal of Herpetology* 54:50-56.
25. Williams DA, NR Rains, and AM Hale. 2019. Population genetic structure of Texas horned lizards: Implications for reintroduction and captive breeding. *PeerJ* 7:e7746.
26. Heuring C, D Barber, NR Rains, D Erxleben, C Martin, DA Williams, and EJ McElroy. 2019. Genetics, morphology and diet of introduced populations of the ant-eating Texas horned lizard (*Phrynosoma cornutum*). *Scientific Reports* 9:11470.
27. Metz MA, GS Wheeler, LF Landry, DA Williams, and F McKay. 2019. A new genus and species of *Gelechiini* (Lepidoptera: Gelechiidae) feeding on Brazilian peppertree. *Proceedings of the Entomological Society of Washington* 121:63-80.
28. Jones E, DA Williams, and GS Wheeler. 2019. Life history and host range determination of *Paectes* n. sp. – a potential classical biological control agent of Brazilian peppertree in the United States. *Biocontrol Science and Technology* 30:1-18.
29. Malonza PK, AM Bauer, C Granthon**, DA Williams, and D Wojnowski. 2019. A new species of gecko of the genus *Lygodactylus* (Sauria: Gekkonidae) from southeastern Kenya. *Zootaxa* 4609:308-320.
30. Williams DA, NE Harms, MJ Grodowitz, and M Purcell. 2018. Genetic structure of *Hydrilla verticillata* L.f. Royle in eastern China and the Republic of Korea: implications for surveys of biological control agents for the invasive monoecious biotype. *Aquatic Botany* 149:17-27.
31. Foo CF*, VJ Bennett, AM Hale, JM Korstian, AJ Schildt**, and DA Williams. 2017. Increasing evidence that bats actively forage at wind turbines. *PeerJ* 5:e3985.
32. Granthon C* and DA Williams. 2017. Avian malaria, body condition, and blood parameters in four species of songbirds. *The Wilson Journal of Ornithology* 129:492-508.
33. Biffi D* and DA Williams. 2017. Use of non-invasive techniques to determine population size of the marine otter in two regions of Peru. *Mammalian Biology-Zeitschrift für Säugetierkunde* 84:12-19.
34. Bennett VJ, AM Hale, and DA Williams. 2017. When the excrement hits the fan: fecal surveys reveal species-specific bat activity at wind turbines. *Mammalian Biology-Zeitschrift für Säugetierkunde* 87:125-129.
35. Williams DA, NE Harms, L Dodd, MJ Grodowitz, and GO Dick. 2017. Do the U.S. dioecious and monoecious biotypes of *Hydrilla verticillata* hybridize? *Journal of Aquatic Plant Management* 55:35-38.
36. Korstian JM*, AM Hale, VJ Bennett, and DA Williams. 2016. Using DNA barcoding to improve bat carcass identification at wind farms in the United States. *Conservation Genetics Resources* 8:27-34.
37. Malonza PK, C Granthon**, and DA Williams. 2016. A new species of dwarf gecko in the genus *Lygodactylus* (squamata: Gekkonidae) from central Kenya. *Zootaxa* 4061:418-428.
38. Mukherjee A, DA Williams, MA Gitzendanner, WA Overholt, and JP Cuda. 2016. Microsatellite and chloroplast DNA diversity of the invasive aquatic weed *Hygrophila polysperma* in native and invasive ranges. *Aquatic Botany* 129:55-61.
39. Korstian JM*, AM Hale, and DA Williams. 2015. Genetic diversity, historic population size, and population structure in 2 North American tree bats. *Journal of Mammalogy* 96:972-980.
40. Horner JD, EB Hodcroft**, AM Hale, DA Williams. 2014. Clonality, genetic variation, and the origin of isolated western populations of the carnivorous plant, *Sarracenia alata*. *The Journal of the Torrey Botanical Society* 141:326-337.
41. Wheeler GS, DA Williams, and M Chawner. 2014. Predicting the host range of *Nystalea ebalea*: secondary plant chemistry and host selection by a surrogate biological control agent of *Schinus terebinthifolia*. *Biological Control* 73:39-49.

42. Diaz R, D Moscosoa, V Manrique, DA Williams, and WA Overholt. 2014. Native range density, host utilization and life history of *Calophya latiforceps* (Hemiptera: Calophyidae): An herbivore of Brazilian peppertree (*Schinus terebinthifolia*). *Biocontrol Science and Technology* 24:536–553.
43. Manrique V, R Diaz, L Erazo, N Reddi, GS Wheeler, DA Williams, and WA Overholt. 2014. Comparison of two populations of *Pseudophilothrips ichini* (Thysanoptera: Phlaeothripidae) as candidates for biological control of the invasive weed *Schinus terebinthifolia* (Sapindales: Anacardiaceae). *Biocontrol Science and Technology* 24:518–535.
44. Wheeler GS, F Mc Kay, M Vitorino, and DA Williams. 2013. Biology and host range of *Omolabus piceus* (Coleoptera: Attelabidae), a weevil rejected for biological control for *Schinus terebinthifolius* in the USA. *Biocontrol* 58:693-702.
45. Korstian JM*, AM Hale, VJ Bennett, and DA Williams. 2013. Advances in sex determination in bats and its utility in wind-wildlife studies, *Molecular Ecology Resources* 13:776-780.
46. Quinteros-Casaverde N*, CF Flores-Negrón, and DA Williams. 2012. Low genetic diversity and fragmentation effects in a wind-pollinated tree, *Polylepis multijuga* Plige (Rosaceae) in the high Andes. *Conservation Genetics* 13:593–603.
47. Williams DA, M Hanson**, R Diaz, and WA Overholt. 2012. Determination of common reed (*Phragmites australis* (Cav.) Trin. Ex Steudel) varieties in Florida. *Journal of Aquatic Plant Management* 50:69-74.
48. Mukherjee A, DA Williams, GS Wheeler, JP Cuda, S Pal, and WA Overholt. 2012. Brazilian peppertree (*Schinus terebinthifolius*) in Florida and South America: evidence of a possible niche shift driven by hybridization. *Biological Invasions* 14:1415-1430.
49. Cuda JP, LR Christ, V Manrique, WA Overholt, GS Wheeler, and DA Williams. 2012. Role of molecular genetics in identifying ‘fine-tuned’ natural enemies of the invasive Brazilian peppertree, *Schinus terebinthifolius*: A review. *BioControl* 57:227-233.
50. Burckhardt D, JP Cuda, V Manrique, R Diaz, WA Overholt, DA Williams, LR Christ, and MD Vitorino. 2011. *Calophya latiforceps*, a new species of jumping plant lice (Hemiptera: Calophyidae) associated with *Schinus terebinthifolius* (Anacardiaceae) in Brazil. *Florida Entomology* 94: 489-499.
51. Geiger JH, PD Pratt, GS Wheeler, and DA Williams. 2011. Hybrid vigor for the invasive exotic Brazilian peppertree (*Schinus terebinthifolius* Raddi., Anacardiaceae) in Florida. *International Journal of Plant Sciences* 172:655-663.
52. Croxton MD, MA Andreu, DA Williams, WA Overholt, and JA Smith. 2011. Geographic origins and genetic diversity of air-potato (*Dioscorea bulbifera*) in Florida. *Invasive Plant Science and Management* 4:22-30.
53. Mound LA, GS Wheeler, and DA Williams. 2010. Resolving cryptic species with morphology and DNA; thrips as a potential biocontrol agent of Brazilian peppertree, with a new species and overview of *Pseudophilothrips* (Thysanoptera). *Zootaxa* 2432:59-68.
54. Scott CP, DA Williams, and DL Crawford. 2009. The effect of genetic and environmental variation on metabolic gene expression. *Molecular Ecology* 18:2832-2843.
55. Purcell J, RK Cowen, CR Hughes, and DA Williams. 2009. Population structure in a common Caribbean coral reef fish: implications for larval dispersal and early life-history traits. *Journal of Fish Biology* 74:403-417.
56. Williams DA, SD Brown, and DL Crawford. 2008. Contemporary and historical influences on the genetic structure of the estuarine dependent Gulf killifish, *Fundulus grandis*. *Marine Ecology Progress Series* 373:111-121.
57. Williams DA and AM Hale. 2008. Investment in nesting activities and patterns of within-group genetic paternity in a cooperatively breeding bird. *The Condor: An International Journal of Avian Biology* 110:13-23.
58. Manrique V, JP Cuda, WA Overholt, DA Williams, and GS Wheeler. 2008. Effect of host-plant genotypes on the performance of two candidate biological control agents of Brazilian peppertree in Florida. *Biological Control* 47:167-171.
59. Kruger TR, DA Williams, and WA Searcy. 2008. The genetic mating system of a tropical tanager. *The Condor: An International Journal of Avian Biology* 110:559-562.

60. Berg EC and DA Williams. 2007. Studying individual interactions and direct fitness benefits in wild birds: history and practice. *Behavioural Processes* 76:163-166.
61. Williams DA and M Osentoski. 2007. Genetic considerations for the captive breeding and reintroduction of freshwater turtles and tortoises. *Chelonian Conservation and Biology* 6:302-313.
62. Williams DA, Y Wang, M Borchetta, and MS Gaines. 2007. Genetic diversity and spatial structure of a keystone species in fragmented pine rockland habitat. *Biological Conservation* 138:256-268.
63. Williams DA and AM Hale. 2007. Female-biased helping in a cooperatively breeding bird: female benefits or male costs? *Ethology* 113:534-542.
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65. Purcell J, RK Cowen, CR Hughes, and DA Williams. 2006. Weak genetic structure indicates strong dispersal limits: a tale of two coral reef fish. *Proceedings of the Royal Society B: Biological Sciences* 273:1483-1490.
66. Williams DA and AM Hale. 2006. Helper effects on offspring production in cooperative breeding brown jays. *The Auk: A Quarterly Journal of Ornithology* 123:847-857.
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70. Williams DA. 2004. Female control of reproductive skew in cooperatively breeding brown jays (*Cyanocorax morio*). *Behavioral Ecology and Sociobiology* 55:370-380.
71. Hale AM, DA Williams, and KN Rabenold. 2003. Territoriality and neighbor assessment in brown jays. *The Auk: A Quarterly Journal of Ornithology* 120:446-456.
72. Williams DA and MF Lawton. 2000. Brown jays: complex sociality in a colonizing species. In: *Monteverde: Ecology and Conservation of a Tropical Cloud Forest* (Eds. NM Nadkarni and NT Wheelwright), pp. 212-213. Oxford University Press, New York.
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b. Refereed technical, primer, and natural history notes

1. Guest EE, SR Fritts, AM Hale, SP Weaver, JJ James**, DA Williams. 2025. Record of western red bats (*Lasiurus blossevillii*) in Central Texas, USA. *The Southwestern Naturalist*, 68:307-309.
2. Rhoads, DD* and DA Williams. 2024. *Phrynosoma cornutum* (Texas horned lizard). Rolling of scat by dung beetle. *Herpetological Review* 55:264-265.
3. Korstian JM*, AJ Schildt**, VJ Bennett, DA Williams, and AM Hale. 2015. A method for PCR-based identification of bat species from fecal samples. *Conservation Genetics Resources* 7:803-806.
4. Korstian JM*, AM Hale, and DA Williams. 2014. Development and characterization of microsatellite loci for eastern red and hoary bats (*Lasiurus borealis* and *L. cinereus*). *Conservation Genetics Resources* 6:605-607.
5. Williams DA, C Leach**, AM Hale, KB Karsten, E Mujica, D Barber, LA Linam, and N Rains. 2012. Development of tetranucleotide microsatellite loci and a non-invasive DNA sampling method for Texas horned lizards (*Phrynosoma cornutum*). *Conservation Genetics Resources* 4:43-45.
6. Murray KL, TH Fleming, MS Gaines, and DA Williams. 2008. Characterization of polymorphic microsatellite loci for two species of Phyllostomid bats from the Greater Antilles (*Erophylla sezekorni* and *Macrotus waterhousii*). *Molecular Ecology Resources* 8:596-598.

7. Grajczyk AM*, WA Overholt, JP Cuda, SD Brown, and DA Williams. 2009. Characterization of microsatellite loci in *Hydrilla verticillata*. In: Molecular Ecology Resources Primer Development Consortium et al. 2009. Molecular Ecology Resources 9:1460-1559.
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9. Williams DA, EC Berg, AM Hale, and CR Hughes. 2004. Characterization of microsatellite loci for parentage studies of white-throated magpie-jays (*Calocitta formosa*) and brown jays (*Cyanocorax morio*). Molecular Ecology Notes 4:509-511.
10. Williams DA, J Purcell, RK Cowen, and CR Hughes. 2004. Characterization of microsatellite multiplexes for population genetic studies of bluehead wrasse (*Thalassoma bifasciatum*, Pisces: Labridae). Molecular Ecology Notes 4:525-527.
11. Williams DA, J Purcell, RK Cowen, and CR Hughes. 2004. Microsatellite multiplexes for high-throughput genotyping of French grunts (*Haemulon flavolineatum*, Pisces: Haemulidae) and their utility in other grunt species. Molecular Ecology Notes 4:46-48.
12. Williams DA, J Purcell, CR Hughes, and RK Cowen. 2003. Polymorphic microsatellite loci for population studies of the bicolor damselfish, *Stegastes partitus* (Pomacentridae). Molecular Ecology Notes 3:547-549.
13. Williams DA, L da SL Sternberg, and CR Hughes. 2002. Characterization of microsatellite loci in an invasive species, the Brazilian pepper, *Schinus terebinthifolius*. Molecular Ecology Notes 2:231-232.

c. Non-refereed Publications

1. Shi Z*, MH Weinburgh, D Biffi, MK Demetrikopoulos, J Pecore, and D Williams. 2024. Navigating the puzzle: Understanding the complexities of operationalizing terminology. AEA365, American Evaluation Association.
2. Williams DA, JM Korstian*, VJ Bennett, and AM Hale. 2016. Barcoding's role in bat fatality monitoring at wind farms. Barcode Bulletin 7(1):2-3.
3. Harms NE, DA Williams, and MJ Grodowitz. 2014. Genetic relationships among invasive hydrilla (*Hydrilla verticillata* L.f. Royle) biotypes in the U.S. and their implications for management. Technical Report for US Army Corps of Engineers Research and Development Center.
4. Overholt WA, DA Williams, and R Diaz. 2011. Weed alert: Common reed (*Phragmites australis*). Florida Fish and Wildlife Conservation Commission.
5. Overholt WA, R Diaz, M Hanson**, and DA Williams. 2011. Phragmites in Florida. Aquatics 33:6-7.

Papers Presented at Scholarly Meetings

1. Weinburgh MH, M Demetrikopoulos, JL Pecore, Z Shi*, D Biffi, D Williams, and A Thompson, 2026, COVID and post-COVID effectiveness of STEM teachers. Association of Science Teacher Educators, Chicago, IL.
2. Weinburgh MH, MK Demetrikopoulos, JL Pecore, Z Shi*, D Biffi, and D Williams, 2025, Consistent and comparable educational data: Returning to school during the COVID-19 era. Annual conference of NARST, National Harbor, MD.
3. Weinburgh MH, M Demetrikopoulos, Z Shi*, J Pecore, D Williams, and D Biffi, 2025, Exploring Covid-19 impacts on STEM teachers: Challenges of the lack of clear definitions and standardized reports. Bi-annual meeting of the International Consortium for Research in Science and Mathematics Education, Valladolid, Mexico.
4. Weinburgh M, MK Demetrikopoulos, Z Shi*, D Biffi, D Williams, AC Thompson, JL Pecore, 2025, STEM teachers' outcome in Title I and Rural School districts during COVID-19. Noyce Summit; Washington, DC.
5. Weinburgh MH, MK Demetrikopoulos, D Biffi, Z Shi*, JL Pecore, and DA Williams, 2025, Effectiveness of science and mathematics teachers across three learning modalities post-COVID-10. Annual meeting of SSMA, Fort Worth, TX.

6. Demetrikopoulos MK, MH Weinburgh, JL Pecore, Z Shi*, D Biffi, D Williams, and A Thompson, 2025, STEM teachers' effectiveness in Title I and Rural School Districts during COVID-19. Annual meeting of the Southern Association of Science Teacher Educators, Atlanta, GA.
7. Demetrikopoulos MK, M Weinburgh, Z Shi*, D Biffi, D Williams, AC Thompson, JL Pecore, 2025, STEM teacher effectiveness & retention: insights from Title I and SRSA/RLIS districts during COVID-19. Southeastern Regional Robert Noyce Conference; Mobile, AL.
8. Thompson A, M Demetrikopoulos, MH Weinburgh, J Pecore, Z Shi*, and D Williams, 2025, Impact of COVID-19 on teacher retention and satisfaction in high-need local education agencies. Annual meeting of the Southwest Association of Science Teacher Educations, Tanglewood Resort, Pottsboro, Texas.
9. Hiatt D, GP John, D Williams, and SL Flory, 2025, Post-introduction intraspecific hybridization enhances frost tolerance of an invasive shrub. Annual Symposium of the Florida Invasive Species Council, Gainesville, FL.
10. Weaver SP, AM Hale, DM Nelson, SR Fritts, TE Katzner, AS Chipps*, JM Korstian*, ST LiCari*, JJ Nagel, DA Williams, 2025, Spatiotemporal patterns in sex ratios of bat fatalities at wind energy facilities in the United States. 8th Conference on Wind Energy and Wildlife Impacts (CWW 2025), Montpellier, France.
11. Gangbin* KN, R Alenius, M Upton, D Barber, N Rains, M Mitchell, and DA Williams, 2025, Using targeted poisoning of red imported fire ants to improve Texas horned lizard habitat. Texas Conservation Symposium, Georgetown, TX.
12. Gangbin* KN, R Alenius, M Upton, D Barber, N Rains, M Mitchell, and DA Williams, 2025, Using targeted poisoning of red imported fire ants to improve Texas horned lizard habitat. 61st Annual Texas Chapter of the Wildlife Society Meeting, Houston, TX.
13. Demetrikopoulos MK, MH Weinburgh, J Pecore, Z Shi, D Biffi, and D Williams, 2025, Clarifying terms: Are we speaking the same language? Association of Science Teacher Educators 2025 Annual Conference, Long Beach, CA.
14. Shi Z, MH Weinburgh, MK Demetrikopoulos, J Pecore, D Williams, and D Biffi, 2024, Pros/Cons of National/State Databases: Leaning Modality Return to School for COVID-19 era STEM teachers. School Science & Mathematics Association Annual Convention. Knoxville, TN.
15. Williams DA, AE Wall*, D Biffi*, A Ackel*, R Alenius*, S Mirkin*, DD Rhoads*, and MR Tucker*, 2024, Urban ecology and conservation of Texas horned lizards (*Phrynosoma cornutum*) living in small towns. Horned Lizard Conservation Society, Phoenix, AZ.
16. Gangbin* KN, R Alenius, M Upton, D Barber, N Rains, M Mitchell, and DA Williams. 2024. Using targeted poisoning of red imported fire ants to improve Texas horned lizard habitat. Horned Lizard Conservation Society, Phoenix, AZ.
17. Williams DA, AE Wall*, D Biffi*, A Ackel*, R Alenius*, S Mirkin*, DD Rhoads*, and MR Tucker*, 2024, Urban ecology and conservation of Texas horned lizards (*Phrynosoma cornutum*) living in small towns. Biology of Lizards 2024, Rodeo, NM.
18. Demetrikopoulos MK, JL Pecore, MH Weinburgh, D Biffi, Z Shi, and D Williams, 2024, Clarifying terms to facilitate research with high-needs LEAs. ASTE-SE, Long Beach, Mississippi.
19. Biffi D, Z Shi, MK Demetrikopoulos, MH Weinburgh, JL Pecore, and D Williams, 2024, The need for a common language to define high-need LEAs. SWASTE, Denton, TX.
20. Demetrikopoulos, MK, Z Shi, MH Weinburgh, D Biffi, D Williams, and J Pecore, 2024, Learning Modalities During COVID-19 Effect on STEM Teachers' Effectiveness and Retention. Southeastern Regional Robert Noyce Conference, Mobile, AL.
21. Demetrikopoulos M, MH Weinburgh, Z Shi, D Biffi, D Williams, and J Pecore, 2024, Building Consensus to Overcome Research Challenge of Poorly Operationalized High-Need LEA Definition. Workshop presented at the NOYCE Summit, Washington, DC.
22. Weinburgh MH, MK Demetrikopoulos, J Pecore, Z Shi, D Williams, and D Biffi, 2024, Using public data sets to determine post-COVID learning modalities employed by high-need LEAs. NOYCE Summit, Washington, DC.

23. Gangbin* KN, R Alenius, M Upton, D Barber, N Rains, M Mitchell, and DA Williams. 2024. Using targeted poisoning of red imported fire ants to improve Texas horned lizard habitat. Texas Conservation Symposium, Georgetown, TX.
24. Oles* U and DA Williams. 2024. Employing a new testing method for identifying fluridone resistance in Hydrilla. Texas Conservation Symposium, Georgetown, TX.
25. Gangbin* KN, R Alenius, M Upton, D Barber, N Rains, M Mitchell, and DA Williams. 2024. Using targeted poisoning of red imported fire ants to improve Texas horned lizard habitat. 60th Annual Texas Chapter of the Wildlife Society Meeting, Houston, TX.
26. Shi* Z, MH Weinburgh, M Demetrikopoulos, J Pecore, D Williams, 2024, Impact of Varied Learning Modalities During COVID-19 on STEM Teachers' Effectiveness & Retention. Annual Meeting of the Association of Science Teacher Educators, New Orleans, LA.
27. Thalhuber T*, MM Chumchal, R Drenner, BD Barst, J Kennedy, W Mitchell**, M Nguyen**, W Nowlin, M Self**, D Williams, M Willoughby**, W Zudock**, 2023, Methyl mercury contamination and diet of nestling red-winged blackbirds. SETAC North America 44th Annual Meeting, Louisville, KY.
28. Shi* Z, MH Weinburgh, MK Demetrikopoulos, JL Pecore, D Williams, 2023, Impact of learning modalities on science and mathematics teachers' effectiveness and retention. SW-ASTE University of Houston, Clear Lake.
29. Hale A, S Weaver, S LiCari*, S Fritts, T Katzner, D Nelson, and D Williams, 2023, Understanding interspecific differences in collision fatality of male and female bats to inform minimization strategies. Western Bat Working Group Biennial Conference, Victoria, BC, Canada.
30. Ryan P* and DA Williams, 2023, The thermal ecology of reintroduced and native Texas horned lizards. 59th Annual Texas Chapter of the Wildlife Society Meeting, Houston, TX.
31. LiCari ST*, AM Hale, S Weaver, S Fritts, T Katzner, D Nelson, and DA Williams, 2023, Sex ratios of Mexican free-tailed bat fatalities at wind energy facilities for local and long-range migratory populations. 59th Annual Texas Chapter of the Wildlife Society Meeting, Houston, TX.
32. LiCari ST*, AM Hale, S Weaver, S Fritts, T Katzner, D Nelson, and DA Williams, 2023, Sex ratios of Mexican free-tailed bat fatalities at wind energy facilities for local and long-range migratory populations. Texas Conservation Symposium, Georgetown, TX.
33. Ryan P* and DA Williams, 2022, The thermal habitat selection of reintroduced Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
34. Tucker MR* and DA Williams, 2022, Thermal ecology of Texas horned lizards (*Phrynosoma cornutum*) in small Texas towns. Texas Conservation Symposium, Georgetown, TX.
35. Elliott P* and DA Williams, 2022, Microhabitat use and range size between native and reintroduced populations of Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
36. Alenius-Thalhuber R*, D Barber, N Rains, J Gallagher, T Thalhuber, and DA Williams. 2022. A question of where: differential diets, growth rates, and survival of captive-bred hatchling Texas horned lizards (*Phrynosoma cornutum*) reintroduced at two locations in central Texas. Texas Conservation Symposium, Georgetown, TX.
37. Stevens TK*, AM Hale, and DA Williams, 2022, How does urbanization impact the distribution of a habitat specialist in an urban forest fragment? Texas Conservation Symposium, Georgetown, TX.
38. Stevens TK*, AM Hale, and DA Williams, 2022, Urbanization and invasive species impact forest bird occupancy in a large urban forest fragment. American Ornithological Society (140th Stated Meeting) & Birds Caribbean (24th annual meeting), San Juan, Puerto Rico.
39. Stevens TK*, AM Hale, and DA Williams, 2022, Urbanization inhibits dispersal and gene flow in a habitat specialist across a large urban forest fragment. North American Congress for Conservation Biology, Reno, NV.
40. Weaver S, S LiCari*, S Fritts, A Hale, T Katzner, D Nelson, and D Williams, 2022, Understanding interspecific differences in collision fatality of male and female bats to inform minimization strategies. 14th Wind Wildlife Research Meeting, Kansas City, MO.
41. Ryan P*, P Elliott*, and DA Williams, 2022, The thermal ecology of reintroduced and native populations of Texas horned lizards. The Wildlife Society's 29th Annual Conference, Spokane, WA.

42. Stevens TK*, AM Hale, and DA Williams, 2021, How does urbanization impact the distribution of a habitat specialist in an urban forest fragment? The Wildlife Society's 28th Annual Conference, Virtual Meeting.
43. Chipps AC*, AM Hale, SP Weaver, and DA Williams, 2021, Genetic diversity, population structure, and effective population size in two yellow bat species in south Texas. 100th Annual Meeting of the American Society of Mammalogists, Virtual Meeting.
44. Alenius-Thalhuber RN*, and DA Williams, 2021, Stable isotopes confirm atypical diets of Texas horned lizards (*Phrynosoma cornutum*) in small towns. Joint Meeting of Ichthyologists and Herpetologists, Virtual Meeting.
45. Alenius-Thalhuber RN*, D Barber, N Rains, J Gallagher, T Thalhuber, and DA Williams, 2021, Differential diet, growth rates, and survival of captive-bred hatchling Texas horned lizards (*Phrynosoma cornutum*) in two locations in central Texas. Joint Meeting of Ichthyologists and Herpetologists, Virtual Meeting.
46. Stevens TK*, AM Hale, and DA Williams, 2021, How does urbanization impact breeding bird occupancy in the Great Trinity Forest? Texas Conservation Symposium, Georgetown, TX, Virtual Meeting.
47. Tucker MR*, D Biffi, and DA Williams, 2021, Thermal ecology of Texas horned lizards in small Texas towns. Texas Conservation Symposium, Georgetown, TX, Virtual Meeting.
48. Alenius RA*, and DA Williams, 2021, Diets of suburban and reintroduced hatchling Texas horned lizards (*Phrynosoma cornutum*) in different habitats. Texas Conservation Symposium, Georgetown, TX, Virtual Meeting.
49. Alenius RA*, and DA Williams, 2020, Stable isotopes confirm atypical diet of Texas horned lizards (*Phrynosoma cornutum*) in small towns. Texas Conservation Symposium, Georgetown, TX.
50. Chipps A*, A Hale, S Weaver, and D Williams, 2020, Genetic approaches improve our understanding of bat-wind turbine impacts. Annual Meeting of the Texas Chapter of the Wildlife Society, Corpus Christi, TX.
51. Rhoads D*, and DA Williams, 2020, Plant-Stem Litter Mimicry and Substrate Color-Matching in the Texas Horned Lizard (*Phrynosoma cornutum*). Texas Horned Lizard Conservation Coalition Meeting, Fort Worth Zoo, Fort Worth, TX.
52. Mirkin S*, M Tucker*, and DA Williams, 2020, Predation release of Texas horned lizards living in small towns. Texas Horned Lizard Conservation Coalition Meeting, Fort Worth Zoo, Fort Worth, TX.
53. Alenius RA*, and DA Williams, 2020, Stable isotopes confirm generalized diets of Texas horned lizards (*Phrynosoma cornutum*) in small towns. Texas Horned Lizard Conservation Coalition Meeting, Fort Worth Zoo, Fort Worth, TX.
54. Williams DA, 2020, How many Texas horned lizards need to be released in order to maintain genetic diversity? Texas Horned Lizard Conservation Coalition Meeting, Fort Worth Zoo, Fort Worth, TX.
55. Connor C, D Zinn, D Biffi, DA Williams, and CM Watson, 2020, Dietary niche overlap of native and invasive anoles on Dominica. Society for Integrative and Comparative Biology. Austin, TX, USA.
56. Stevens TK*, AM Hale, and DA Williams, 2019, Using time-to-detection to model occupancy in songbirds in an urban bottomland forest. Association of Field Ornithologists (AFO) and Wilson Ornithological Society (WOS) Joint Meeting, Cape May, NJ.
57. Chipps A*, AM Hale, S Weaver, and DA Williams, 2019, Genetic approaches improve our understanding of bat-wind turbine impacts. 49th Annual Symposium of the North American Society for Bat Research, Kalamazoo, MI.
58. Biffi D*, A Lopez-Mobilia, S Kelez, DA Williams, MM Chumchal, and MH Weinburgh, 2019, Mislabeling and mercury content in seafood in Peru. First Peruvian Shark Symposium, Lima, Peru
59. Biffi D*, A Lopez-Mobilia, S Kelez, DA Williams, MM Chumchal, and MH Weinburgh, 2019, Mislabeling and mercury content in seafood in Peru. 14th International Conference on Mercury as a Global Pollutant, Krakow, Poland.
60. Finger N, T Jezkova, O Francois, DA Williams, A Leache, T Charran, K Farleigh, J Bracken, and C Blair, 2019, Genomic data reveal deep lineage divergence and molecular adaptation in the Texas horned lizard (*Phrynosoma cornutum*). Evolution 2019, Providence, RI.

61. Biffi D*, A Lopez-Mobilia, S Kelez, DA Williams, MM Chumchal, and MH Weinburgh, 2019, Mislabeling and mercury content in seafood in Peru. Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT
62. Hale AM, A Chippis*, K Scolman**, S Weaver, and DA Williams, 2019, Genetic approaches improve our understanding of bat-wind turbine impacts. 5th Conference on Wind Energy and Wildlife Impacts (CWW 2019), Stirling, Scotland, UK.
63. Mirkin S*, MR Tucker**, and DA Williams, 2019, Urban predation of Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
64. Biffi D*, A Lopez-Mobilia, S Kelez, DA Williams, MM Chumchal, and MH Weinburgh, 2019, Mislabeling and mercury content in seafood in Peru. First Latin American Congress of Sharks, Rays, and Chimaeras, Playa del Carmen, Mexico.
65. Williams DA, 2019, Genetic considerations for captive breeding and reintroducing Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
66. Williams DA, 2019, Genetic considerations for reintroducing captive-bred Texas horned lizards (*Phrynosoma cornutum*). Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT.
67. Mirkin S*, M Tucker**, and DA Williams, 2019, Predation release of Texas horned lizards living in small towns. Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT.
68. Tucker M*, S Mirkin*, and DA Williams, 2019, Ectoparasite loads of Texas horned lizards (*Phrynosoma cornutum*) living in small Texas towns. Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT.
69. Rhoads D*, and DA Williams, 2019, Background color-matching in the Texas horned lizard (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
70. Tucker MR**, S Mirkin*, and DA Williams, 2019, Ectoparasite loads of urban Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium. Georgetown, TX.
71. Williams DA, AM Hale, AE Wall*, and D Biffi*, 2018, Conservation genetics of Texas horned lizards (*Phrynosoma cornutum*). Biology of Lizards 2018, Rodeo, NM.
72. Alenius R*, and DA Williams, 2018, Can specialists generalize? Diets of Texas horned lizards (*Phrynosoma cornutum*) living in small Texas towns. Biology of Lizards 2018, Rodeo, NM.
73. Williams DA, 2018, Genetic management of captive Texas horned lizards. Texas Horned Lizard Conservation Coalition Meeting, Mason Mountain Wildlife Management Area, TX.
74. Alenius R*, and DA Williams, 2018, Can specialists generalize? Diets of Texas horned lizards in towns of south Texas. Texas Horned Lizard Conservation Coalition Meeting, Mason Mountain Wildlife Management Area, TX.
75. Williams DA, AM Hale, AE Wall*, and D Biffi*, 2018, Conservation genetics of Texas horned lizards (*Phrynosoma cornutum*). Texas Conservation Symposium, Georgetown, TX.
76. Alenius R* and DA Williams, 2018, When specialists generalize: Modified diets of Texas horned lizards (*Phrynosoma cornutum*) living in small Texas towns. Texas Conservation Symposium, Georgetown, TX.
77. Alenius R* and DA Williams, 2018, Can specialists generalize? Diets of Texas horned lizards (*Phrynosoma cornutum*) in small Texas towns. Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY.
78. Biffi D*, A Lopez-Mobilia, DA Williams, MM Chumchal, and M Weinburgh, 2017, Mercury content and mislabeling in sharks from markets in Lima and Tumbes. 1st Peruvian Shark Symposium, Lima, Peru.
79. Foo CF*, VJ Bennett, AM Hale, AJ Schildt**, and DA Williams, 2017, Wind turbines provide foraging opportunities for bats in the southern Great Plains. U.S. 4th Conference on Wind Energy and Wildlife Impacts, Estoril, Portugal.
80. Foo CF*, VJ Bennett, DA Williams, and AM Hale, 2017, Are tree bats foraging at wind turbines in the southern Great Plains? 97th Annual Meeting of the American Society of Mammalogists, Moscow, ID.
81. Alenius R* and DA Williams, 2017, Variable diet of an ant specialist, the Texas horned lizard (*Phrynosoma cornutum*), living in small Texas towns. Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.

82. Williams DA, AM Hale, AE Wall*, D Biffi*, 2017, Conservation genetics of Texas horned lizards (*Phrynosoma cornutum*). Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.
83. Barfield K, DA Williams, G Kroh, 2017, Phylogeographic study of *Pinus ponderosa* and *P. jeffreyi*. National Meeting of the Botanical Society of America, Fort Worth, TX.
84. Foo CF*, VJ Bennett, DA Williams, and AM Hale, 2016, Are tree bats actively foraging at wind turbines in the southern Great Plains? 96th Annual Meeting of the American Society of Mammalogists, Minneapolis, MN.
85. Williams DA, 2016, Texas horned lizard state-wide genetics study. Texas Horned Lizard Conservation Coalition Meeting, Mason Mountain Wildlife Management Area, TX.
86. Ackel A* and DA Williams, 2016, Kenedy/Karnes City estimators of Texas horned lizard population size. Texas Horned Lizard Conservation Coalition Meeting, Mason Mountain Wildlife Management Area, TX.
87. Alenius R** and DA Williams, 2016, Kenedy/Karnes City Texas horned lizard diet study. Texas Horned Lizard Conservation Coalition Meeting, Mason Mountain Wildlife Management Area, TX.
88. Zsigray BM**, AJ Livingston-Anderson, JM Korstian*, TP Craig, JK Itami, DA Williams, and JD Horner, 2016, Genetic and morphological differentiation among host races of *Eurosta solidaginis*. Joint Meeting of the Society for the Study of Evolution, the American Society of Naturalists, and the Society of Systematic Biologists, Austin, TX.
89. Granthon C* and DA Williams, 2015, Avian malaria and body condition in four species of North American songbirds. American Ornithologists' Union, Cooper Ornithological Society Annual Meeting, University of Oklahoma, Norman, OK.
90. Bennett VJ, AM Hale, AJ Schildt**, BG Cooper, AM McAlexander*, and DA Williams, 2014, Exploring potential hypotheses behind bat-wind turbine collisions. National Wind Coordinating Collaborative Wind Wildlife Research Meeting X, Broomfield, CO.
91. Bennett VJ, AM Hale, AJ Schildt**, and DA Williams, 2014, Evidence that bats utilize wind turbines as a foraging resource. National Wind Coordinating Collaborative Wind Wildlife Research Meeting X, Broomfield, CO.
92. Korstian JM*, AJ Schildt**, VJ Bennett, DA Williams, and AM Hale, 2014, A method for PCR-based identification of species from bat fecal samples. 44th Annual Meeting of the North American Society for Bat Research, Albany, NY.
93. Bennett VJ, AM Hale, AJ Schildt**, BG Cooper, AM McAlexander*, and DA Williams, 2014, Exploring potential hypotheses behind bat-wind turbine collisions. 44th Annual Meeting of the North American Society for Bat Research, Albany, NY.
94. Biffi D* and DA Williams, 2014, Uso de técnicas no-invasivas para determinar tamaño poblacional de *Lontra felina* en dos localidades de Perú. IV Congreso Nacional de Ciencias del Mar, Lima, Peru.
95. Biffi D* and DA Williams, 2014, Non-invasive estimation of population size and density of marine otters *Lontra felina* in Peru. XXII IUCN OSG International Otter Congress, Rio de Janeiro, Brazil.
96. Williams DA and D Biffi*, 2014, Weak genetic structure of marine otters (*Lontra felina*) along the coast of Peru. XXII IUCN OSG International Otter Congress, Rio de Janeiro, Brazil.
97. Wall AE*, D Biffi*, and DA Williams, 2014, Movement and genetics of Texas horned lizards, Texas Academy of Sciences. 117th Annual Meeting of the Texas Academy of Science, Galveston, TX.
98. Biffi D* and DA Williams, 2013, Distribución espacial y patrones de uso de letrinas de nutrias marinas *Lontra felina* en Lima, Moquegua y Tacna. Segundo Encuentro de Investigadores Ambientales, Arequipa, Peru.
99. Korstian JM*, AM Hale, VJ Bennett, and DA Williams, 2012, A genetic method to determine the sex of *Lasiurus* bat carcasses found at wind farms. North American Society for Bat Research 42nd Annual Symposium, San Juan, Puerto Rico.
100. Korstian JM*, AM Hale, and DA Williams, 2012, High diversity and lack of genetic structure in eastern red bats (*Lasiurus borealis*). American Society of Mammalogists Annual Meeting, Reno, NV.
101. Korstian JM*, DA Williams, AM Hale, and VJ Bennett, 2012, Population genetics of migrating eastern red bats (*Lasiurus borealis*). Association of American Geographers Annual Meeting, New York, NY.
102. Williams DA, 2011, Conservation genetics of Texas horned lizards. Texas Horned Lizard Conservation Coalition, Fort Worth Zoo, Fort Worth, TX.

103. Overholt WA, M Hanson, R Diaz, and DA Williams, 2011, Common reed in the southeastern USA. Southeast Herbicide Applicator Conference, Panama City, FL.
104. Overholt WA, M Hanson, R Diaz, and DA Williams, 2011, Phragmites in Florida: Native or exotic. 35th Annual Meeting of the Florida Aquatic Plant Management Society, Saint Augustine, FL.
105. Burckhardt D, JP Cuda, V Manrique, R Diaz, WA Overholt, DA Williams, LR Christ, and MD Vitorino, 2011, *Calophya latiforceps* (Hemiptera: Calophyidae), a new species of jumping plant lice and natural enemy of Brazilian peppertree, *Schinus terebinthifolius* (Anacardiaceae), in Brazil. Florida Entomological Society, Fort Myers, FL.
106. Geiger JH, PD Pratt, GS Wheeler, and DA Williams, 2011, Hybrid vigor for the invasive exotic Brazilian peppertree (*Schinus terebinthifolius* Raddi, Anacardiaceae) in Florida. 26th Annual Symposium of the Florida Exotic Pest Plant Council, Maitland, FL.
107. Wheeler GS, F McKay, MD Vitorino, and DA Williams, 2011, Biological control of Brazilian pepper: Results from foreign exploration and host testing. 26th Annual Symposium of the Florida Exotic Pest Plant Council, Maitland, FL.
108. Overholt WA, DA Williams, M Hanson, R Diaz, and V Manrique, 2011, An update on Phragmites in Florida. 26th Annual Symposium of the Florida Exotic Pest Plant Council, Maitland, FL.
109. Frankel AM* and DA Williams, 2011, Multiple paternity in Kemp's ridley sea turtles on South Padre Island, Texas. 31st Annual Symposium on Sea Turtle Biology and Conservation, San Diego, CA.
110. Frankel AM* and DA Williams, 2011, Estimating incidence of multiple paternity of Kemp's ridley sea turtles on South Padre Island, Texas. Texas Academy of Science Annual Meeting, Austin, TX.
111. Wheeler GS, DA Williams, and LA Mound, 2010, Plant genotype effects on a host specific thrips and the impact on biological control. 2nd NRIPC Conference on Invasive Species in Natural Areas, Coeur d'Alene, ID.
112. Cuda JP, V Manrique, WA Overholt, DA Williams, and GS Wheeler, 2010, Effect of host-plant genotypes on the performance of Brazilian peppertree biological control agents. Biological Control for Nature: Biological control of pests in forests and associated habitats, Northampton, MA.
113. Overholt WA, DA Williams, RC Copeland, B Nzigidahera, E Nkubaye, F Wanda, B Gidudu, and JP Cuda, 2010, Exploration for natural enemies of *Hydrilla verticillata* Royle (Hydrocharitaceae) in East/Central Africa and genetic characterization of worldwide populations. Biological Control for Nature Conference, Northampton, MA.
114. Overholt WA, RS Copeland, DA Williams, JP Cuda, F Wanda, B Gidudu, B Nzigidahera and E Nkubaye, 2010, Exploration for natural enemies of hydrilla in Africa, and genetic characterization of worldwide populations. Florida Aquatic Plant Management Society, Daytona Beach, FL.
115. Quinteros-Casaverde N*, C Flores, T Morgan, and DA Williams, 2010, Genetic structure of fragmented *Polylepis multijuga* Plige (Rosaceae) forests. Botany 2010, The Botanical Society of America, Providence, RI.
116. Williams DA, WA Overholt, R Copeland, J Cuda, 2010, Origin of a disjunct population of *Hydrilla verticillata* Royle (Hydrocharitaceae) in the East African Great Lakes. Botany 2010, The Botanical Society of America, Providence, RI.
117. Diaz R, M Hanson**, DA Williams, and WA Overholt, 2010, *Phragmites australis* in Florida: native or introduced? 50th Annual Meeting of the Aquatic Plant Management Society, Bonita Springs, FL.
118. Overholt W, M Hanson**, R Diaz, and DA Williams, 2010, *Phragmites australis* in Florida: native or exotic? 25th Annual Symposium of the Florida Exotic Pest Plant Council. Crystal River, FL.
119. Manrique V, R Diaz, WA Overholt, DA Williams, and JP Cuda, 2010, Efficacy of a potential biocontrol agent to reduce growth of the invasive Brazilian peppertree in Florida. Florida Weed Science Society Meeting, Haines City, FL.
120. Horner JD, E Hodcroft**, AM Hale, and DA Williams, 2010, Clonal reproduction and genetic variation in the carnivorous plant, *Sarracenia alata* Wood. Society for the Study of Evolution, Portland, OR.
121. Williams DA, AM Hale, N Rains, LA Linam, and D Barber, 2010, Conservation genetics of the Texas horned lizard. Conservation Horizons and the Horned Lizard Conservation Society, Texas A & M College of Veterinary Medicine, College Station, TX.

122. Wheeler GS, DA Williams, and L Mound, 2009, Cryptic species in Brazilian pepper biological control. Florida Entomological Society Annual Meeting, Sanibel, FL.
123. Wheeler GS, DA Williams, and L Mound, 2009, Plant genotype effects on a host specific thrips and the impact on biological control. IX International Symposium on Thysanoptera and Tospoviruses, Queensland, Australia.
124. Wheeler GS, DA Williams, and L Mound, 2009, Cryptic species in Brazilian pepper biological control. Entomological Society of America Annual Meeting, Indianapolis, IN.
125. Overholt WA, R Copeland, DA Williams, JP Cuda, B Gidudu, B Nzigidahera, and S Hetrick, 2009, Hydrilla in Africa: A fishy story. 20th Annual Florida Lakes Management Society Conference, Key Largo, FL.
126. Overholt WA, R Copeland, DA Williams, JP Cuda, B Gidudu, B Nzigidahera, and S Hetrick, 2009, Exploration for natural enemies of *Hydrilla verticillata* in Africa: A fishy story. 24th Annual Symposium of the Florida Exotic Pest Plant Council, Delray Beach, FL.
127. Williams DA and AM Hale, 2008, Fine-scale genetic structure in a cooperatively breeding bird, *Cyanocorax morio*. American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists Meeting, Portland, OR.
128. Williams DA, AM Hale, D Barber, N Rains, LA Linam, 2008, Conservation Genetics of the Texas Horned Lizard. Southwest Partners in Amphibian and Reptile Conservation, Texas Herpetological Society Joint Meeting, Austin, TX.
129. Manrique V, JP Cuda, WA Overholt, DA Williams, and GS Wheeler, 2008, Effect of host-plant genotype on the performance of *Pseudophilothrips ichini*, an approved biological control agent of Brazilian peppertree in Florida. 23rd Annual Symposium of the Florida Exotic Pest Plant Council, Jacksonville, FL.
130. Overholt WA, V Manrique, JP Cuda, DA Williams, and GS Wheeler, 2008, Local adaptation of insect herbivores to plant genotypes: Can insects be too host specific? 56th Annual Meeting of the Entomological Society of America, Reno, NV.
131. Williams DA, S Brown, JP Cuda, GS Wheeler, P Madeira, B Chapman, and WA Overholt, 2007, Genetic relationships among Floridian, African, and Asian populations of *Hydrilla verticillata*. 22nd Annual Symposium of the Florida Exotic Pest Plant Council, Coco Beach, FL.
132. Williams DA, JP Cuda, and WA Overholt, 2007, Out of Florida: does Florida export invasions with high genetic diversity? 22nd Annual Symposium of the Florida Exotic Pest Plant Council, Coco Beach, FL.
133. Manrique V, JP Cuda, WA Overholt, and DA Williams, 2007, Performance of two candidate biological control agents (*Episimus utilis* and *Pseudophilothrips ichini*) on four Brazilian peppertree genotypes found in Florida. 22nd Annual Symposium of the Florida Exotic Pest Plant Council, Coco Beach, FL.
134. Croxton M, MA Andreu, DA Williams, and WA Overholt, 2007, Africa or Asia? Locating the source population of Florida air potato (*Dioscorea bulbifera*) using chloroplast DNA markers. 22nd Annual Symposium of the Florida Exotic Pest Plant Council, Coco Beach, FL.
135. Manrique V, JP Cuda, WA Overholt, and DA Williams, 2007, Evaluating the survival of two candidate biological control agents (*Episimus utilis* and *Pseudophilothrips ichini*) on Brazilian peppertree genotypes. Annual Meeting of the Florida Entomological Society, Sarasota, FL.
136. Manrique V, JP Cuda, WA Overholt, and DA Williams, 2007, Evaluating the performance of *Episimus utilis* (Lepidoptera: Tortricidae) on the invasive Brazilian peppertree in Florida. XII International Symposium on Biological Control of Weeds, Montpellier, France.
137. Williams DA, Y Wang, and MS Gaines, 2006, Genetic structure of natural and restored slash pine in South Florida. Plant Biologists of South Florida Meeting, Miami, FL.
138. Williams DA, WA Overholt, JP Cuda, and CR Hughes, 2005, Molecular markers reveal the introduction history of Brazilian peppertree in Florida. Plant Biologists of South Florida Meeting, Homestead, FL.
139. Williams DA, CR Hughes, WA Overholt, and JP Cuda, 2004, Genetic evidence for two introductions of Brazilian pepper into Florida. Association for Tropical Biology and Conservation, Miami, FL.

140. Williams DA and AM Hale, 2004, Levels of investment in breeding activities by behaviorally reproductive male brown jays. Association for Tropical Biology and Conservation, Miami, FL.
141. Purcell J, CR Hughes, DA Williams, and RK Cowen, 2004, Genetic isolation-by-distance indicates the importance of larval retention for two common species of Caribbean coral reef fish. Association for Tropical Biology and Conservation, Miami, FL.
142. Wang Y, DA Williams, and MS Gaines, 2004, Evidence for a genetic bottleneck in the endangered Florida Keys silver rice rat (*Oryzomys argentatus*) revealed by microsatellite analyses. Association for Tropical Biology and Conservation, Miami, FL.
143. Williams DA, CR Hughes, WA Overholt, and JP Cuda, 2004, Genetic evidence for two introductions of Brazilian pepper into Florida. 19th Annual Symposium of the Florida Exotic Pest Plant Council, Pensacola, FL.
144. Overholt WA, DA Williams, CR Hughes, and JP Cuda, 2004, Diversity of Brazilian peppertree and implications for biological control. Entomological Society of America, Salt Lake City, UT.
145. Cuda JP, WA Overholt, KT Gioeli, CR Hughes, and DA Williams, 2004, Characterization of the variability in the invasive Brazilian peppertree, *Schinus terebinthifolius* (Anacardiaceae): a genetic approach. Annual Meeting of the Weed Science Society of America.
146. Williams DA and AM Hale, 2003, Contributions to nestling care in an avian cooperative breeder with male-biased dispersal. Annual Meeting of the Animal Behavior Society, Boise, ID.
147. Purcell J, RK Cowen, CR Hughes, and DA Williams, 2003, Evidence of the ecological scale of population connectivity among populations of marine fishes in the western Caribbean Sea based on microsatellite DNA markers. Annual Meeting of the American Fisheries Society.
148. Overholt WA, KT Gioeli, JP Cuda, CR Hughes, and DA Williams, 2003, Survey of Brazilian peppertree genetic diversity. 18th Annual Symposium of the Florida Exotic Pest Plant Council, St Petersburg, FL.
149. Overholt WA, KT Gioeli, JP Cuda, CR Hughes, and DA Williams, 2003, Survey of Brazilian peppertree genetic diversity. Annual Meeting of the South Florida Aquatic Plant Management Society, Daytona Beach, FL.
150. Williams DA and AM Hale, 1998, Behavioral and genetic parentage in the cooperatively breeding brown jay. North American Ornithological Congress, St. Louis, MO.
151. Hale AM, DA Williams, and KN Rabenold, 1998, Between-group interactions in the cooperatively breeding brown jay. North American Ornithological Congress, St. Louis, MO.
152. Fauth PT, KN Rabenold, DA Williams, and MC Yaber, 1998, Relative abundance of thrushes migrating through a fragmented Midwestern landscape. North American Ornithological Congress, St. Louis, MO.
153. Rabenold KN, T Simons, B Goodner, P Fauth, and DA Williams, 1993, Effects of forest fragmentation and integrity on Neotropical migratory bird populations. Annual Meeting of the Society for Conservation Biology, Blacksburg, VA.
154. Rabenold KN, P Fauth, and DA Williams, 1992, Migratory bird populations affected by interactions among forest fragmentation, geography and floristics. Annual Meeting of the Society for Conservation Biology, Blacksburg, VA.
155. Williams DA, 1989, Competition for breeding status in a cooperatively breeding bird, the brown jay (*Cyanocorax morio*). 107th Meeting of the American Ornithologists' Union, Pittsburg, PA.
156. Lawton MF, WR Garstka, DA Williams, and RO Lawton, 1988, Baby faced birds: A test of the cuteness hypothesis. 106th Meeting of the American Ornithologists' Union, Fayetteville, AR.

d. Invited Seminars

- 2008 Department of Biology, University of Texas, Tyler
- 2007 Department of Biology, Texas Christian University
- 2007 Department of Biology, Middle Tennessee State University
- 2007 Department of Biology, Columbus State University
- 2006 Department of Biology, Florida International University
- 2006 Department of Biology, University of Miami

- 2000 Department of Biology, University of Miami
- 1990 Department of Biology, Coe College

e. Workshop participation

- Spring 2023 White Paper Development Workshop (TCU)
- Fall 2011 Grant Development Workshop (TCU)

Editorship, Consultantships, and Applied Professional Activities

2011 – 2016 Research Associate at BRIT (Botanical Research Institute of Texas)
2013 – 2016 BRIT Science Committee

Proposal Reviewer

National Science Foundation – Biological Oceanography, Behavioral Systems Cluster, Population and Evolutionary Processes, Population Biology

Manuscript Reviewer

Agronomy, American Journal of Botany, American Museum Novitates, Animal Behaviour, Annals of Botany, AoB PLANTS, Aquatic Biology, Auk, Austral Ecology, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biocontrol, Biocontrol Science and Technology, Biological Conservation, Biological Invasions, Biological Journal of the Linnean Society, Briefings in Functional Genomics, Bulletin of Marine Science, BMC Genomics, Conservation Genetics, Diversity, Ecology and Evolution, Ecological Genetics and Genomics, Ethology, Evolutionary Ecology, Evolutionary Applications, Genetica, Global Ecology and Conservation, Heredity, Herpetologica, Ichthyology & Herpetology, Invasive Plant Science and Management, Journal of Animal Ecology, Journal of Aquatic Plant Management, Journal of Biogeography, Journal of Field Ornithology, Journal of Fish and Wildlife Management, Journal of Insect Behavior, Journal of Plant Research, Journal of Wildlife Rehabilitation, Marine Biology, Marine Ecology Progress Series, Molecular Ecology, PeerJ, PhytoKeys, Plants, PLOS One, Scientific Reports, Silvae Genetica, Southwestern Naturalist, Wilson Bulletin, Weed Science, Zoology

Departmental Service

2023 Chair - Departmental Advisory Committee
2023 Chair – Tenure-Track Ecologist Search Committee
2022 Chair - Tenure-Track Ecologist Search Committee (2 positions)
2009 – 2022 Biology Curriculum Committee
2015 – 2018 Departmental Advisory Committee
2009 Tenure-Track Microbiologist Search Committee
2007 – present Mondays at TCU
2007 Ad-hoc Curriculum Review Committee

College Service

2016 – 2022 Director of TCU Costa Rica Field Station
2014 – present Student Research Symposium (SRS) Committee
2025 Chair - Student Research Symposium (SRS) Committee
2023 Chair - Student Research Symposium (SRS) Committee
2019 Chair - Student Research Symposium (SRS) Committee
Fall 2010 Chancellor’s Advisory Council Meeting, Faculty Participant

University Service

2017 – present Institutional Animal Care and Use Committee (IACUC)
 2018 – present Chair - Institutional Animal Care and Use Committee (IACUC)
 2017 – 2018 Research Leadership Committee
 2013 – 2016 BioSafety Committee
 Summer 2012 Search Committee for Sponsored Research Director

Community Service

- Williams DA, 2025, Urban ecology and conservation of Texas horned lizards living in small towns. Presentation to the Fort Worth Botanical Garden and Cross Timbers, TX Master Naturalist chapter.
- Williams DA, 2024, Urban ecology and conservation of Texas horned lizards living in small towns. Online presentation to the Balcones Canyonlands, TX Master Naturalist chapter.
- Williams DA, 2022, The ecology of Texas horned lizards in small Texas towns. Online presentation to the Lower Trinity Basin TX Master Naturalist chapter.
- Williams DA, 2021, State of Horned Lizard Conservation. Online presentation for the Horned Lizard Conservation Society.
- Williams DA, 2020, Ecology of horned lizards living in small Texas towns. Online presentation to the Elm Fork TX Master Naturalist chapter.
- Williams DA, 2018, The ecology of small-town Texas horned lizards. Presentation for BRIT Research Lecture Series, Fort Worth, TX.
- Williams DA, Fall semester 2015-2019, 2021, Using genetic methods to study Texas horned lizards. Presentation and laboratory exercise for students from Paschal High School, Fort Worth, TX.
- Williams DA, Spring 2011 and 2012, Horned lizard presentations for elementary students from JT Stevens on "Career Day", Fort Worth, TX.
- Williams DA and AM Hale, Spring 2011, Conservation genetics of horned lizards. Presentation for PUBLIC Knowledge by the Fort Worth Science Museum, Fort Worth, TX.
- Williams DA, 2011, Sociality in cooperative breeding brown jays. Fort Worth Audubon Society, Fort Worth, TX.
- Williams DA and AM Hale, Fall semester 2009-2014, Conservation genetics of horned lizards. Presentation for students from Paschal High School, Fort Worth, TX.
- Williams DA and AM Hale, 2009, Conservation genetics of Texas horned lizards. The Dallas Zoo, Dallas, TX.

Professional Honors and Awards

1999 Alton A. Lindsey Graduate Fellowship in Ecology (\$500)
 1993 Purdue Research Foundation Fellowship (stipend for 2 years and \$1,200)
 1990 Sigma Xi Student Research Award for best paper presented in the Life Sciences
 1990 Departmental Achievement Award (Department of Biological Sciences, University of Alabama in Huntsville)

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