

DR. JEANINE M. REFSNIDER

Website: <https://jrefsnider.wixsite.com/research>

Associate Professor of Ecology
University of Toledo
Department of Environmental Sciences

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Phone: (419) 530-2664 • Email: jeanine.refsnider@utoledo.edu

EDUCATION

Ph.D. Iowa State University – Ames, Iowa (August 2012)

Major: Ecology and Evolutionary Biology

Advisor: Dr. Fredric Janzen

M.S. University of Minnesota – St. Paul, Minnesota (June 2005)

Major: Conservation Biology

Advisor: Dr. Andrew Simons

B.A. University of Minnesota – Morris, Morris, Minnesota (June 2000)

Major: Biology

Minors: Chemistry, Women's Studies

Additional postgraduate education

2010, Preparing Future Faculty Program, Iowa State University, Ames, Iowa

2004, Organization for Tropical Studies 04-1 Tropical Biology: Universidad de Costa Rica

PROFESSIONAL APPOINTMENTS

October 2023 – January 2024

Visiting Research Scientist

University of Western Australia, School of Biological Sciences, Perth, Australia

August 2020 – Present

Associate Professor of Ecology

University of Toledo, Department of Environmental Sciences

August 2015 – July 2020

Assistant Professor of Ecology

University of Toledo, Department of Environmental Sciences

August 2012 – July 2015

National Science Foundation Postdoctoral Research Fellow in Biology

Sponsor: Erika Bree Rosenblum, University of California – Berkeley, Department of Environmental Science, Policy, and Management

October 2005 – April 2007

Fulbright Graduate Student Fellowship

Sponsor: Nicola Nelson, Victoria University of Wellington, Wellington, New Zealand

PEER-REVIEWED PUBLICATIONS

All papers available at <https://jrefsnider.wixsite.com/research>

* indicates undergraduate student co-authors; † indicates graduate student co-authors

2024

61. Carlson, B.E., S.E. Carter†, A.C. Hulbert†, N.L. Hyslop, E.A. Free Kashon, S.J.A. Kimble, J. Lisk, C. McElroy, J.L. Mook, **J.M. Refsnider**, J.H. Roe, S.J. Tetzlaff, and B. Windmiller. 2024. Intrapopulation variation in boldness differs while average boldness is similar across populations of a widespread turtle. *Behavioral Ecology and Sociobiology* 78: 64. doi: 10.1007/s00265-024-03480-5
60. Otten, J.G.†, I.T. Clifton†, D.F. Becker, and **J.M. Refsnider**. 2024. Here comes the sun: Thermoregulatory behavior in ectotherms illuminated by light-level geolocators. *Journal of Zoology* 323: 253-261.
59. Hulbert, A.C.†, S.E. Carter†, H.M. Streby, and **J.M. Refsnider**. 2024. Quantifying the accuracy of location data and spatial ecology inferences from GPS tags in two rare, co-occurring turtle species differing in habitat use. *Wildlife Research* 51: WR23123.
58. Otten, J.G.† and **J.M. Refsnider**. 2024. Bigger is better: Age class-specific survival rates in long-lived turtles increase with size. *Journal of Wildlife Management* 2024: e22544.

2023

57. Clifton, I.T.†, M.R. Duffy, S.B. Hudson, C.D. Robinson, E.E. Virgin, S.S. French, K.E. McCluney, and **J.M. Refsnider**. 2023. Compensation for exposure to increased environmental temperatures is costly in a montane, desert lizard. *Journal of Arid Environments* 219: 105079.
56. Otten, J.G.†, L. Williams, and **J.M. Refsnider**. 2023. Freshwater turtle populations as bioindicators following an oil spill: Delayed demographic changes reveal long-term impacts. *Ecological Indicators* 154: 110519.
55. Otten, J.G.†, L. Williams, and **J.M. Refsnider**. 2023. Assessing translocation success and long-distance homing in riverine turtles ten years after a freshwater oil spill. *Conservation Science and Practice* 2023: e12922.
54. **Refsnider, J.M.**, N. Torres*, and J.G. Otten†. 2023. No evidence of long-term effects on physiological stress or innate immune functioning in northern map turtles ten years after a freshwater oil spill. *Herpetologica* 79: 22-29. (Cover)
53. Carter, S.E.†, A.C. Hulbert†, H.M. Streby, and **J.M. Refsnider**. 2023. *Clemmys guttata* (Spotted turtle): Double clutch. *Herpetological Review* 54(3): 445-446.

52. Bodensteiner, B.L., J.B. Iverson, C.A. Lea, C.L. Milne-Zelman, T.S. Mitchell, **J.M. Refsnider**, K. Voves, D.A. Warner, and F.J. Janzen. 2023. Mother knows best: Nest-site choice homogenizes embryo thermal environments among populations in a widespread ectotherm. Philosophical Transactions of the Royal Society B 378: 20220155.
51. Sree Kumar, H., A.S. Wisner, **J.M. Refsnider**, C.J. Martyniuk, and J. Zubcevic. 2023. Small fish, big discoveries: Zebrafish shed light on microbial biomarkers for neuro-immune-cardiovascular health. Frontiers in Physiology 14: 1186645.

2022

50. Otten, J.G.†, L. Williams, and **J.M. Refsnider**. 2022. Survival outcomes of rehabilitated riverine turtles following a freshwater diluted bitumen oil spill. Environmental Pollution 311: 119968.
49. Clifton, I.T.† and **J.M. Refsnider**. 2022. Temporal climatic variability predicts thermal tolerance in two sympatric lizard species. Journal of Thermal Biology 108: 103291.
48. **Refsnider, J.M.**, S.E. Carter†, A. Diaz*, A.C. Hulbert†, G.R. Kramer, P. Madden†, and H.M. Streby. 2022. Macro- and microhabitat predictors of nest success and hatchling survival in eastern box turtles (*Terrapene carolina carolina*) and spotted turtles (*Clemmys guttata*) in oak savanna landscapes. Frontiers in Ecology and Evolution 9: 788025.
47. Doody, J.S. and **J.M. Refsnider**. 2022. Nesting in reptiles: Natural and anthropogenic threats and evolutionary responses. Frontiers in Ecology and Evolution 10: 1103193.

2021

46. **Refsnider, J.M.**, J.A. Garcia†, B. Holliker*, A.C. Hulbert†, A. Nunez*, and H.M. Streby. 2021. Effects of harmful algal blooms on stress levels and immune functioning in wetland-associated songbirds and reptiles. Science of the Total Environment 788: 147790.
45. Clifton, I.T.†, A.J. Bagrowski*, E.T. Morrissey*, and **J.M. Refsnider**. 2021. Thermal biology does not vary with body size in greater short-horned lizards (*Phrynosoma hernandesi*). Herpetological Review 52(3): 507-511.
44. **Refsnider, J.M.**, T.K. Vazquez†, I.T. Clifton†, D.M. Jayawardena†, and S.A. Heckathorn. 2021. Cellular and whole-organism effects of prolonged vs. acute heat stress in a montane, desert lizard. Journal of Experimental Zoology 335: 126-135.
43. Bodensteiner, B.L., G.A. Agudelo-Cantero, A.Z. Andis Arietta, A.R. Gunderson, M.M. Muñoz, **J.M. Refsnider**, and E.J. Gangloff. 2021. Thermal adaptation revisited: How conserved are thermal traits of reptiles and amphibians? Journal of Experimental Zoology 335: 173-194.

2020

42. Qian, S.S., **J.M. Refsnider**, J.A. Moore, G.R. Kramer†, and H.M. Streby. 2020. All tests are imperfect: Accounting for false positives and false negatives using Bayesian statistics. Heliyon 6: e03571.
41. Su, R.C., C.M. Meyers*, E.A. Warner, J.A. Garcia†, **J.M. Refsnider**, A. Lad, J.D. Breidenbach, N. Modyanov, D. Malhotra, S.T. Haller, and D.J. Kennedy. 2020. Harmful algal bloom toxicity in *Lithobates catesbeiana* tadpoles. Toxins 378(12), doi: 10.3390/toxins12060378

2019

40. **Refsnider, J.M.**, I.T. Clifton†, and T.K. Vazquez†. 2019. Developmental plasticity of thermal ecology traits in reptiles: Trends, potential benefits, and research needs. Journal of Thermal Biology 84: 74-82.
39. **Refsnider, J.M.**, S.E. Carter*, G. R. Kramer†, A.D. Siefker*, and H.M. Streby. 2019. Is dietary or microhabitat specialization associated with environmental heterogeneity in horned lizards (*Phrynosoma*)? Ecology and Evolution 9: 5542-5550.
38. Bodensteiner, B.L., D.A. Warner, J.B. Iverson, C.L. Milne-Zelman, T.S. Mitchell, **J.M. Refsnider**, and F.J. Janzen. 2019. Geographic variation in thermal sensitivity of early life traits in a widespread reptile. Ecology and Evolution 9: 2791-2802.
37. Paterson, J.E., J. Baxter-Gilbert, F. Beaudry, S. Carstairs, P. Chow-Fraser, C.B. Edge, A.M. Lentini, J.D. Litzgus, C.E. Markle, K. McKeown, J.A. Moore, **J.M. Refsnider**, J.L. Riley, J. Rouse, D. Seburn, J. Zimmerling, and C. Davy. 2019. Road avoidance and its energetic consequences on reptiles. Ecology and Evolution 9: 9794-9803.
36. Carter, A.L., B.L. Bodensteiner, J.B. Iverson, C.L. Milne-Zelman, T.S. Mitchell, **J.M. Refsnider**, D.A. Warner, and F.J. Janzen. 2019. Breadth of the thermal response captures individual and geographic variation in temperature-dependent sex determination. Functional Ecology 33: 1928-1939.

2018

35. **Refsnider, J.M.**, S.S. Qian, H.M. Streby, S.E. Carter*, I.T. Clifton†, A.D. Siefker*, and T.K. Vazquez†. 2018. Reciprocally-transplanted lizards along an elevational gradient match thermoregulatory behavior of local lizards via phenotypic plasticity. Functional Ecology 32: 1227-1236.
34. Nelson, N.J., S.N. Keall, **J.M. Refsnider**, and A.L. Carter. 2018. Behavioral variation in nesting phenology may offset sex-ratio bias in tuatara. Journal of Experimental Zoology 6-7: 373-381. (Invited Paper)

2017

33. Sanchez, E.* and **J.M. Refsnider**. 2017. Immune activity, but not physiological stress, differs between the sexes during the nesting season in painted turtles. Journal of Herpetology 51(4): 449-453.
32. Mitchell, T.S., **J.M. Refsnider**, A. Sethuraman, D.A. Warner, and F.J. Janzen. 2017. Experimental assessment of winter conditions on turtle nesting behavior. Evolutionary Ecology Research 18(3): 271-280.

2016

31. **Refsnider, J.M.** 2016. Nest-site choice and nest construction in non-avian reptiles: evolutionary significance and ecological implications. Avian Biology Research 9: 76-88. (Invited review)
30. **Refsnider, J.M.** and F.J. Janzen. 2016. Temperature-dependent sex determination under rapid anthropogenic environmental change: evolution at a turtle's pace? Journal of Heredity 107: 61-70. (Invited Review)

2015

29. **Refsnider, J.M.**, T.J. Poorten, P.F. Langhammer, P.A. Burrowes, and E.B. Rosenblum. 2015. Genomic correlates of virulence attenuation in the deadly amphibian chytrid fungus, *Batrachochytrium dendrobatidis*. Genes, Genomes, and Genetics 5: 2291-2298.
28. **Refsnider, J.M.**, S. Des Roches, and E.B. Rosenblum. 2015. Evidence for ecological release over a fine spatial scale in a lizard from the White Sands formation. Oikos 124: 1624-1631. **(Cover)**
27. **Refsnider, J.M.**, A.M. Reedy, D.A. Warner, and F.J. Janzen. 2015. Do tradeoffs between predation pressures on females vs. nests drive nest-site choice in painted turtles? Biological Journal of the Linnean Society 116: 847-855.
26. **Refsnider, J.M.**, M.G. Palacios, D.M. Reding, and A.M. Bronikowski. 2015. Effects of a novel climate on stress response and immune function in painted turtles (*Chrysemys picta*). Journal of Experimental Zoology 323A: 160-168.

2014

25. Piovia-Scott, J., K. Pope, S.J. Worth, E.B. Rosenblum, T. Poorten, **J. Refsnider**, L. Rollins-Smith, L. Reinert, D. Rejmanek, H.L. Wells, D. Rejmanek, S. Lawler, and J. Foley. 2014. Phenotypic and genomic correlates of virulence in the frog-killing fungal pathogen: evidence from a California amphibian decline. The ISME Journal: 1-9.
24. **Refsnider, J.M.**, C. Milne-Zelman, D.A. Warner, and F.J. Janzen. 2014. Population sex ratios under differing local climates in a reptile with environmental sex determination. Evolutionary Ecology 28(5): 977-989.
23. Streby, H.M. and **Refsnider, J.M.** 2014. Redefining reproductive success in songbirds: a challenge to the nest success paradigm. Auk: Ornithological Advances 131: 718-726. **(Invited Perspective)**
22. Streby, H.M., **J.M. Refsnider**, S.M. Peterson, and D.E. Andersen. 2014. Retirement investment theory explains patterns in songbird nest-site choice. Proceedings of the Royal Society of London B 281: 20131834. **(Cover)**
21. Sethuraman, A., S.E. McGaugh, M.L. Becker, C.H. Chandler, J.L. Christiansen, S. Hayden, A. LeClere, J. Monson-Miller, E.M. Myers, R.T. Paitz, **J.M. Refsnider**, T. VanDeWalle, and F.J. Janzen. 2014. Population genetics of Blanding's turtle (*Emys blandingii*) in the midwestern United States. Conservation Genetics 15: 61-73.

2013

20. **Refsnider, J.M.**, B. Bodensteiner*, J. Reneker*, and F.J. Janzen. 2013. Nest depth does not compensate for sex ratio skews caused by climate change in turtles. Animal Conservation 16(5): 481-490. **(Featured Paper)**
19. **Refsnider, J.M.**, B. Bodensteiner*, J. Reneker*, and F.J. Janzen. 2013. Experimental field studies of species' responses to climate change: challenges and future directions. Animal Conservation 16(5): 498-499.
18. **Refsnider, J.M.**, C.H. Daugherty, S.S. Godfrey, S.N. Keall, J.A. Moore, and N.J. Nelson. 2013. Nesting migrations by a colonially-nesting reptile, the tuatara: patterns and potential costs. Herpetologica 69(3): 282-290. **(Cover)**
17. **Refsnider, J.M.**, D.A. Warner, and F.J. Janzen. 2013. Does shade cover availability limit nest-site choice in two populations of turtles with temperature-dependent sex determination? Journal of Thermal Biology 38: 152-158.

16. **Refsnider, J.M.** 2013. High thermal variance in naturally-incubated turtle nests produces faster offspring. Journal of Ethology 31(1): 85-93.

2012

15. **Refsnider, J.M.** and F.J. Janzen. 2012. Behavioural plasticity may compensate for climate change in a long-lived reptile with temperature-dependent sex determination. Biological Conservation 152: 90-95.
14. Jones, P.C., R.B. King, R.L. Bailey, N.D. Bieser, K. Bissell, H. Campa III, T. Crabill, M.D. Cross, B.A. Degregorio, M.J. Dreslik, F.E. Durbian, D.S. Harvey, S.E. Hecht, B.C. Jellen, G. Johnson, B.A. Kingsbury, M.J. Kowalski, J. Lee, J.V. Manning, J.A. Moore, J. Oakes, C.A. Phillips, K.A. Prior, **J.M. Refsnider**, J.D. Rouse, J.R. Sage, R.A. Seigel, D.B. Shepard, C.S. Smith, T.J. Vandewalle, P.J. Weatherhead, and A. Yagi. 2012. Rangewide analysis of eastern massasauga survivorship. Journal of Wildlife Management 76(8): 1576-1586.
13. **Refsnider, J.M.**, J. Strickland, and F.J. Janzen. 2012. Home range and site fidelity of imperiled ornate box turtles in northwestern Illinois. Chelonian Conservation and Biology 11: 78-83.
12. **Refsnider, J.M.** and M.H. Linck. 2012. Habitat use and movement patterns of Blanding's turtles (*Emydoidea blandingii*) in Minnesota, U.S.A.: a landscape ecology approach to species conservation. Herpetological Conservation and Biology 7(2): 185-195.
11. Ramstad, K.M., J.A Moore, and **J.M. Refsnider**. 2012. Intrasexual aggression in tuatara: males and females respond differently to same-sex intruders during mating season. Herpetological Review 43(1): 19-21.

2011

10. **Refsnider, J.M.**, T.S. Mitchell, H.M. Streby, J. Strickland, D.A. Warner, and F.J. Janzen. 2011. A generalized method to determine detectability of rare and cryptic species using the ornate box turtle (*Terrapene ornata*) as a model. Wildlife Society Bulletin 35(2): 93-100.

2010

9. **Refsnider, J.M.** and F. J. Janzen. 2010. Putting eggs in one basket: Ecological and evolutionary hypotheses for variation in oviposition-site choice. Annual Review of Ecology, Evolution, and Systematics 41: 39-57. **(Invited Review)**
8. **Refsnider, J.M.**, S.N. Keall, C.H. Daugherty, and N.J. Nelson. 2010. Nest-site choice and fidelity in tuatara on Stephens Island, New Zealand. Journal of Zoology 280(4): 396-402.

2009

7. **Refsnider, J.M.**, S.N. Keall, C.H. Daugherty, and N.J. Nelson. 2009. Does nest-guarding in female tuatara (*Sphenodon punctatus*) decrease nest destruction by conspecific females? Journal of Herpetology 43(2): 294-299.
6. **Refsnider, J.M.** 2009. High frequency of multiple paternity in Blanding's Turtle (*Emys blandingii*). Journal of Herpetology 43(1): 74-81.

2008

5. Streby, H.M., **J.M. Refsnider**, S.M. Peterson, and D.E. Andersen. 2008. Barred owl predation on hermit thrush and ovenbird fledglings. Journal of Raptor Research 42(4): 296-298.
4. **Refsnider, J.M.**, J. Moore, and H. Streby. 2008. *Sphenodon punctatus* (Common Tuatara): Prey detection. Herpetological Review 39(3): 347-348.

before 2008

3. **Refsnider, J.M.** and P. Schlick. 2006. *Emydoidea blandingii* (Blanding's turtle): Double-clutching. Herpetological Review 37(3): 341-342.
2. **Refsnider, J.M.**, R.L. Refsnider, and S. St. Clair. 2005. Incidents of woodpecker toes being caught in leg bands. North American Bird Bander 30(3): 119-120.
1. **Refsnider, J.M.** 1993. Weight loss by birds when held for banding. North American Bird Bander 18(3): 90-97.

Citation Indices (Google Scholar)

(as of August 2025)

Citations	2209
h-index	26
i10-index	36

GRANTS, AWARDS, AND RESEARCH FUNDING

2024	U.S. Fish and Wildlife, Great Lakes Fish and Wildlife Restoration Act Competitive Grant	\$ 269,299
2023	University of Toledo Summer Research Award	\$ 7,000
2020	University of Toledo – Kohler International Award	\$ 1,500
2019	National Science Foundation Research Experience for Undergraduates Site Award	\$346,536
2018	Ohio Water Resources Center Grant	\$ 21,636
2017	U.S. Fish and Wildlife Service, Natural Resource Trustees for the 2010 Enbridge Oil Spill	\$299,075
2017	U.S. Fish and Wildlife Service, State Wildlife Grant (Co-PI) with Ohio and Michigan Depts. of Natural Resources	\$435,290
2016	Ohio Sea Grants Small Grants Program	\$ 10,000
2016	University of Toledo Summer Research Award	\$ 9,962
2012	National Science Foundation Postdoctoral Fellowship in Biology	\$189,000
2012	Iowa State University Graduate Research Excellence Award	\$ 500
2011	Seibert Conservation Award for best student presentation, Joint Meeting of Ichthyologists and Herpetologists	
2011	Iowa State University Graduate Student Research Grant	\$ 500
2011	William Clark Graduate Student Award	\$ 500

2010	Sigma Xi Grant-in-Aid-of-Research	\$ 400
2009	Iowa Academy of Sciences	\$ 3,900
2009	Society for Integrated and Comparative Biology, student grant	\$ 1,000
2009	Society for the Study of Amphibians and Reptiles, student grant	\$ 500
2009	Society for the Study of Amphibians and Reptiles, Dean Metter Memorial Grant	\$ 500
2008	Iowa State University Graduate Student Research Grant	\$ 450
2007	Iowa State University Graduate Student Fellowship	
2005	Fulbright Graduate Student Fellowship – New Zealand	
2005	University of Minnesota Outstanding Master's Degree Award	
2004	Sigma Xi Grant-in-Aid-of-Research	\$ 1,000
2004	James Ford Bell Museum, Dayton-Wilkie Natural History Grant	\$ 1,000
2004	Organization for Tropical Studies research grant	\$ 300
2003	Minnesota Department of Natural Resources	\$ 2,500
2003	Minnesota Herpetological Society research grant	\$ 1,250
2002	NSF Graduate Research Fellowship – Honorable Mention	
2000	Scholar of the College Award, University of Minnesota-Morris	\$ 500
2000	University of Minnesota-Morris Jay Roshal Biology Award	\$ 500
1996	University of Minnesota-Morris Freshman Academic Scholarship	\$ 1,000

Additional research experience

Field technician

May – Aug. 2007

University of Minnesota, St. Paul, Minnesota

Supervisor: Dr. David Andersen

USGS Minnesota Cooperative Fish and Wildlife Research Unit

Project: Post-fledging habitat use of forest songbirds

Curatorial assistant, Herpetology and Ichthyology Collections

2004 – 2005

University of Minnesota, St. Paul, Minnesota

Supervisor: Dr. Andrew Simons

James Ford Bell Museum of Natural History

Field technician

Apr.– Oct. 2001

Indiana-Purdue University Fort Wayne, Ft. Wayne, Indiana

Supervisor: Dr. Bruce Kingsbury

Project: Habitat use and movement patterns by massasauga rattlesnakes in Michigan

Research Experience for Undergraduates Program

University of Virginia, Mountain Lake Biological Station

1999

Supervisor: Dr. Henry Wilbur

Project: Intersexual foraging differences as a possible cause of early maturation in male red-backed salamanders (*Plethodon cinereus*)

COURSES TAUGHT

Conservation Biology (EEES 47/5750, 3 cr) University of Toledo	<i>2016 – 2022</i>
Conservation Biology Lab (EEES 4755, 1 cr) University of Toledo	<i>2016 – 2022</i>
Herpetology (EEES 4350, 3 cr) University of Toledo	<i>2017 – 2025</i>
Herpetology Lab (EEES 4355, 1 cr) University of Toledo	<i>2019 – 2025</i>
Field Methods in Environmental Sciences Lab (EEES 2760, 3 cr) University of Toledo	<i>2020 – 2022</i>
Graduate Launch (EEES 62/8250, 1 cr)	<i>2021 – 2025</i>
Biodiversity (EEES 2150, 4 cr) University of Toledo	<i>2016 – 2020; 2024</i>
Evolutionary Ecology (EEES 69/8980, 2 cr) University of Toledo	<i>2017</i>
Laboratory Instructor: Mammalogy Iowa State University Course instructor: Dr. Bill Clark	<i>2012</i>
Laboratory Instructor: Ecology Iowa State University Course instructor: Dr. Arnold Van der Valk	<i>2010 – 2011</i>
Laboratory Instructor: Principles of Biology I and II Iowa State University Course instructor: Dr. David Vleck	<i>2009 – 2011</i>
Laboratory Instructor: Herpetology <ul style="list-style-type: none">• Designed and instructed laboratory component• Presented guest lectures Iowa State University Course instructor: Dr. Fredric Janzen	<i>2008 – 2009</i>
Laboratory Instructor: Evolutionary and Ecological Perspectives University of Minnesota Course instructor: Dr. Bruce Fall	<i>2004</i>

Field Instructor: Herpetology and Mammalogy *2004 – 2005*

James Ford Bell Museum of Natural History, University of Minnesota
Eisenhower Teacher Training Series
Lake Itasca State Park, Park Rapids, Minnesota

Laboratory Instructor: General Zoology *2003*

University of Minnesota
Course instructor: Dr. Frank Barnwell

Laboratory Instructor: Human Anatomy *2002*

Indiana-Purdue University, Fort Wayne

GRADUATE STUDENTS ADVISED

Sarah Carter, M.S., University of Toledo *2017 – 2021*

MS Thesis: Habitat use and nest-site characteristics of Ohio and Michigan populations of two imperiled freshwater turtle species

- UT Graduate Student Association Research Grant (\$2000)
- The Wildlife Society – Conservation Leaders of Tomorrow Professional Development Scholarship
- Current position: Environmental Scientist, Leidos

Dr. Ian Clifton, Ph.D., University of Toledo *2016 – 2021*

PhD Dissertation: Thermal physiology and responses to climate change in a montane, desert lizard community

- Horned Lizard Conservation Society Research Grant (\$960)
- Canyonlands Research Center Graduate Student Research Grant (\$2000)
- Current position: Assistant Professor, University of Arkansas at Little Rock

June Davison, M.S., University of Toledo *2025 – present*

MS Thesis: Nest-site choice in spotted turtles and implications for sex ratio outcomes

Jessica Garcia, M.S., University of Toledo *2017 – 2018*

MS Thesis: Effects of harmful algal blooms on freshwater turtles and frogs

Austin Hulbert, M.S., University of Toledo *2017 – 2020*

MS Thesis: Threatened turtle species in Ohio and Michigan: The ecology of hatchlings and analysis of GPS devices

- UT Graduate Student Association Research Grant (\$2000)
- Current position: Data Scientist, Judicial Council of California

Paige Madden, M.S., University of Toledo *2021 – 2023*

MS Thesis: Reproductive success and population genetic diversity in two declining turtle species of the oak savanna systems in Ohio and Michigan

- UT Graduate Student Association Research Grant (\$2000)
- Current position: Environmental Specialist, City of Toledo

Dr. Joshua Otten, Ph.D. University of Toledo *2018 – 2022*
 PhD Dissertation: Long-term impacts of the Kalamazoo River oil spill on freshwater turtles

- UT Graduate Student Association Research Grant (\$2000)
- Current position: Assistant Professor, Cornell College

Tyara Vazquez, M.S., University of Toledo *2016 – 2018*
 MS Thesis: Heat-shock protein expression in lizards following acute vs. prolonged heat stress

- Canyonlands Research Center Graduate Scholars Grant (\$3000)
- Current position: Associate Compliance Analyst, University of Toledo

GRADUATE COMMITTEES SERVED

Lena Bauer, M.S., University of Toledo *2024 – present*
 Advised by Dr. William Hintz, University of Toledo

Ashlynn Benedict, M.S., University of Toledo *2023 – present*
 Advised by Dr. William Hintz, University of Toledo

Silas Fischer, M.S., University of Toledo *2018 – 2020*
 Ph.D., University of Toledo *2020 – present*
 Advised by Dr. Henry Streby, University of Toledo

Sara Guiher, M.S., University of Toledo *2016 – 2017*
 Advised by Dr. Jon Bossenbroek, University of Toledo

Eric Huber, M.S., University of Toledo *2021 – 2022*
 Advised by Dr. William Hintz, University of Toledo

Mikayla Kindler, Ph.D., University of Toledo *2024 – present*
 Advised by Dr. William Hintz, University of Toledo

Andrea Lindsay, Ph.D., University of Toledo *2021 – 2024*
 Advised by Dr. Henry Streby, University of Toledo

Nathan Marshall, Ph.D., University of Toledo *2016 – 2019*
 Advised by Dr. Carol Stepien, University of Toledo

Stephanie Nummer, Ph.D., University of Toledo *2017 – 2021*
 Advised by Dr. Song S. Qian, University of Toledo

R. Kyle Pagel, M.S., University of Toledo Advised by Dr. Henry Streby, University of Toledo	2018 – 2019
Stephen Timmons, University of Toledo Advised by Dr. Song S. Qian, University of Toledo	2015 – 2016
Bayley Wilmoth, M.S., University of Toledo Advised by Dr. William Hintz, University of Toledo	2021 – 2023

INVITED PRESENTATIONS FOR PROFESSIONALS AND/OR THE PUBLIC

- Refsnider, J.M.** and D. Moorhead. “Graduate mentoring: Not a destination... a never-ending journey!” University of Toledo, Toledo, OH, 4 December 2024.
- Refsnider, J.M.** “Effects of Lake Erie harmful algal blooms on wildlife health.” University of Montana, Missoula, MT, 18 September 2024.
- Refsnider, J.M.** “Effects of Lake Erie harmful algal blooms on wildlife health.” Illinois Water Resources Center’s Algal Bloom Action Team webinar series, 5 April 2023.
- Refsnider, J.M.** “Effects of Lake Erie harmful algal blooms on wildlife health.” University of Michigan, Ann Arbor, MI, 21 January 2022.
- Refsnider, J.M.** “Effects of Lake Erie harmful algal blooms on wildlife health.” California State University at Fullerton, Fullerton, CA, 6 October 2021.
- Refsnider, J.M.** “Effects of Lake Erie harmful algal blooms on wildlife health.” Duquesne University, Pittsburgh, PA, 10 September 2021.
- Refsnider, J.M.** “Our new normal: Effects of rapid environmental changes on wildlife in the Anthropocene.” Ohio University/John Carroll University Herpetological Symposium, Athens, OH, 26 October 2019.
- Refsnider, J.M.** and H.M. Streby. “Is what’s good for the bird good for the turtle? Landscape-scale productivity modeling of declining red-headed woodpeckers, eastern box turtles, and spotted turtles in the Oak Openings region of Ohio and Michigan.” Midwest Fish and Wildlife Conference, Cleveland, OH, 30 January 2019.
- Refsnider, J.M.** “The effects of harmful algal blooms on aquatic wildlife.” University of Toledo’s Eberly Women’s Center, Toledo, OH, 1 November 2017.
- Refsnider, J.M.** “Can turtles survive climate change?” Ohio State University’s Stone Lab, Put-In Bay, OH, 6 July 2017.
- Refsnider, J.M.** “Can reptiles survive climate change?” University of Toledo’s Lake Erie Center, Toledo, OH, 17 November 2016.
- Refsnider, J.M.** “Can reptiles survive climate change?” Toledo Naturalists Association, Toledo, OH, 17 September 2016.
- Refsnider, J.M.** “Climate change and turtles: No more males?” Belle Isle Aquarium, Detroit, MI, 10 December 2016.
- Refsnider, J.M.** “Can reptiles keep up with climate change?” Bowling Green State University, Bowling Green, OH, 7 October 2015.

- Refsnider, J.M.** “Nest-site choice and nest construction in non-avian reptiles: evolutionary significance and ecological implications.” Nest Construction and Function Conference, Lincoln, England, 10 September 2015.
- Refsnider, J.M.** “Understanding species’ responses to rapid global change.” Mississippi State University, Starkville, MS, 13 April 2015.
- Refsnider, J.M.** “Understanding species’ responses to rapid global change.” University of Minnesota-Morris, Morris, MN, 18 March 2015.
- Refsnider, J.M.,** T. Poorten, and E.B. Rosenblum. “Emerging infectious diseases of wildlife.” Berkeley Initiative in Global Change Biology Annual Research Symposium, Berkeley, CA, 17 December 2014.
- Refsnider, J.M.** “Understanding species’ responses to rapid global change.” Ohio Wesleyan University, Delaware, OH, 20 November 2014.
- Refsnider, J.M.** “Understanding species’ responses to rapid global change.” University of California-Merced, Merced, CA, 17 March 2014.
- Refsnider, J.M.** “Does climate change mean the end of males?” Dissertations Initiative for the Advancement of Climate Change Research Symposium, Colorado Springs, CO, 16 October 2013.
- Refsnider, J.M.** “Effects of climate change on reptiles with temperature-dependent sex determination and potential adaptation via nest-site choice.” University of California-Berkeley, Berkeley, CA, 16 November 2012.
- Refsnider, J.M.,** D. Reding, M.G. Palacios, and A. Bronikowski. “Conservation physiology of freshwater turtles: Effects of a novel climate on stress response and immune function in the painted turtle.” Iowa State University Ecology and Evolutionary Biology Graduate Program Research Symposium, Ames, IA, 28 January 2012.
- Refsnider, J.M.** and M. Linck. “Reproductive ecology of Blanding’s turtles in Minnesota.” Midwest Chapter of Partners in Amphibian and Reptile Conservation, Oregon, IL, 14 August 2010.
- Refsnider, J.M.,** N.J. Nelson, S.N. Keall, and C.H. Daugherty. “Tuatara: Conservation and Recovery.” Victoria University of Wellington, Wellington, New Zealand, 11 May 2006.
- Refsnider, J.M.** “Reproductive ecology of Blanding’s turtles in Minnesota.” U.S. Fish and Wildlife Service, Region 3 seminar series, 10 May 2005.
- Refsnider, J.M.** “Trials and Tribulations of Turtle Tracking.” Minnesota Herpetological Society, 9 January 2004.

PROFESSIONAL CONFERENCE PRESENTATIONS

* indicates undergraduate student co-authors; † indicates graduate student co-authors

- Refsnider, J.M.,** P. Madden†, S. Carter†, A. Hulbert†, and H. Streby. 2025. “Contrasting patterns of inbreeding and inbreeding depression in co-occurring spotted turtle and eastern box turtle populations.” Joint Meeting of Ichthyologists and Herpetologists, St. Paul, MN, 12 July 2025.
- Refsnider, J.M.** 2025. “Conservation of the tuatara, New Zealand’s living fossil.” Michigan Fulbright Alumni Symposium, East Lansing, MI, 12 April 2025.
- Alekhtiar, S., H.S. Kumar, A. Kalinoski, **J. Refsnider**, and J. Zubcevic. 2024. “The salty truth: Inflammatory effects of modestly elevated sodium chloride in larval zebrafish.”

University of Toledo 50th Annual Pharmacology Research Colloquium, Toledo, OH, 24 June 2024.

- Jackson, D. Jr.* and **J.M. Refsnider**. 2023. “First description of the spatial ecology of northern map turtles in Lake Erie using satellite telemetry.” Midwest Fish and Wildlife Conference, Kansas City, KS, 13 February 2023.
- Clifton, I.T.†, M.R. Duffy, S.B. Hudson, C.D. Robinson, E.E. Virgin, S.S. French, K.E. McCluney, and **J.M. Refsnider**. 2023. “Compensation for exposure to increased environmental temperatures is costly in a montane, desert lizard.” Society for Integrative and Comparative Biology Annual Conference, Austin, TX, 5 January 2023.
- Refsnider, J.M.**, J.G. Otten†, and N. Torres*. “No evidence of long-term effects on physiological stress or innate immune functioning in northern map turtles ten years after a freshwater oil spill.” The Wildlife Society Annual Conference, Spokane, WA, 9 November 2022.
- Otten, J.G.†, L. Williams, and **J.M. Refsnider**. “Long-term impacts on freshwater turtles following the Kalamazoo River oil spill.” 14th Effects of Oil on Wildlife Conference, Long Beach, CA, 29 September 2022.
- Clifton, I.T.†, J.G. Otten†, and **J.M. Refsnider**. “Light-level dataloggers illuminate seasonal variation in basking behavior in an aquatic turtle.” Society for Integrative and Comparative Biology Annual Conference, Phoenix, AZ, 5 January 2022.
- Carter, S.†, A. Diaz*, A. Hulbert†, P. Madden†, H. Streby, and **J.M. Refsnider**. “Nest site characteristics and thermal regimes of Eastern box turtle (*Terrapene carolina*) nests in Ohio and Michigan.” Turtle Survival Alliance Annual Conference, virtual conference, 10 August 2021.
- Refsnider, J.M.**, J. Garcia†, H. Streby, A. Nunez*, A. Hulbert†, and B. Holliker*. “Effects of Lake Erie harmful algal blooms on stress levels and immune functioning in wetland-associated songbirds and reptiles.” Midwest Fish and Wildlife Conference, virtual conference, 1 February 2021.
- Carter, S.†, A. Hulbert†, H. Streby, and **J.M. Refsnider**. “Nesting ecology of female Eastern box and spotted turtles.” Oak Openings Science Summit, Toledo, OH, November 2020.
- Paterson, J., J. Baxter-Gilbert, F. Beaudry, S. Carstairs, P. Chow-Fraser, C. Edge, A. Lentini, J. Litzgus, C. Markle, K. McKeown, J. Moore, **J. Refsnider**, J. Riley, J. Rouse, D. Seburn, J. Zimmerling, and C. Davy. “Road avoidance and its energetic consequences on reptiles.” 9th World Congress of Herpetology, Dunedin, New Zealand, 10 January 2020.
- Refsnider, J.M.**, I. Clifton†, and T. Vazquez†. “Cellular and whole-organism effects of prolonged vs. acute heat stress in a montane, desert lizard.” 9th World Congress of Herpetology, Dunedin, New Zealand, 9 January 2020.
- Carter, A., B. Bodensteiner, J. Iverson, C. Milne-Zelman, T. Mitchell, **J.M. Refsnider**, D. Warner, and F. Janzen. “Breadth of the thermal response captures individual and geographic variation in temperature-dependent sex determination.” 9th World Congress of Herpetology, Dunedin, New Zealand, 9 January 2020.
- Carter, S.†, A. Hulbert†, H. Streby, and **J.M. Refsnider**. “Nest site microhabitat and thermal conditions in Eastern box and spotted turtles.” Oak Openings Science Summit, Toledo, OH, 15 November 2019.
- Hulbert, A.†, S. Carter†, H. Streby, and **J.M. Refsnider**. “Movements of neonate spotted turtles differ between Ohio and Michigan.” 2019 Spotted, Blanding’s, and Wood Turtle Conservation Symposium. Berkeley Springs, WV, 4 November 2019.

- Nunez, A.C.*, H. Streby, and **J.M. Refsnider**. “Microcystin algal blooms cause chronic stress in wetland associated songbirds.” Annual meeting of the Wilson Ornithological Society and the Association of Field Ornithologists, Cape May, NJ, 28 October 2019.
- Carter, S.†, A. Hulbert†, and **J.M. Refsnider**. “Eastern box turtles from different climates may adjust nesting behavior to produce nests with similar thermal regimes.” Ohio University/John Carroll University Herpetological Symposium, Athens, OH, 26 October 2019.
- Carter, S.†, A. Hulbert†, and **J.M. Refsnider**. “Eastern box turtles from different climates may adjust nesting behavior to produce nests with similar thermal regimes.” The Wildlife Society Annual Conference, Reno, NV, 1 October 2019.
- Clifton, I.T.† and **J.M. Refsnider**. “Is plasticity in thermoregulatory behavior costly in greater short-horned lizards?” Ecological Society of America Annual Conference, Louisville, KY, 14 August 2019.
- Carlson, B.E., S. Tetzlaff, J. Mook, N. Hyslop, S. Carter†, A. Hulbert†, **J.M. Refsnider**, and J.H. Roe. Consistency in box turtle behavioral variation across developmental stages and populations. North American Box Turtle Conservation Workshop, Browns Summit, NC, 17 May 2019.
- Garcia, J.† and **J.M. Refsnider**. The effect of harmful algal blooms on the immune functioning of aquatic turtles. The Wildlife Society Annual Conference, Cleveland, OH, 10 October 2018.
- Refsnider, J.M.** Maintenance of shade options is critical for reptile persistence under climate warming: Evidence from field experiments on turtles and lizards. The Wildlife Society Annual Conference, Cleveland, OH, 8 October 2018.
- Welc, M., J. Otten†, and **J.M. Refsnider**. “Mixing oil with water: Investigations into the effects of an oil spill on reproductive output in river turtles.” Turtle Survival Alliance Meeting, Ft. Worth, TX, 13 August 2018.
- Clifton, I.T.† and **J.M. Refsnider**. “Phenotypic variation along an elevational gradient in a montane lizard community.” Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, 14 July 2018.
- Vazquez, T.K.†, I.T. Clifton†, and **J.M. Refsnider**. “Acute and prolonged heat-stress effects on performance and heat-shock protein expression in greater short-horned lizards (*Phrynosoma hernandesi*).” Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, 14 July 2018.
- Refsnider, J.M.**, S.E. Carter*, I.T. Clifton†, G. Kramer†, S.S. Qian, A.D. Siefker*, H.M. Streby, and T.K. Vazquez†. “Does environmental heterogeneity predict degree of specialization? Testing the “jack-of-all-trades, master of none” hypothesis in a specialist lizard, *Phrynosoma hernandesi*.” Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, 15 July 2018.
- Refsnider, J.M.** “Can turtles serve as bio-indicators of environmental health? Applications of conservation physiology in Midwestern herpetology.” Midwest Fish and Wildlife Conference, Milwaukee, WI, 30 January 2018.
- Hulbert, A.C.*, J. Garcia†, and **J.M. Refsnider**. “The relationship among parasites, algal growth, and immune activity in freshwater turtles.” Society for Integrative and Comparative Biology Conference, San Francisco, CA, 5 January 2018.
- Carter, A.L., B.L. Bodensteiner, J.B. Iverson, C.L. Milne-Zelman, T.S. Mitchell, **J.M. Refsnider**, D.A. Warner, and F.J. Janzen. “Modeling the incubation microclimate to

predict implications of responses to climate change for a thermally-mediated trait.”
Ecological Society of America Conference, Portland, OR, 8 August 2017.

Refsnider, J.M., S. Qian, H. Streby, S. Carter*, I. Clifton†, A. Siefker*, and T. Vazquez†.

“Plasticity in behavioral thermoregulation by lizards on an elevational gradient: A reciprocal transplant experiment.” Society for Integrative and Comparative Biology Conference, New Orleans, LA, 6 January 2017.

Carter, A.L., B.L. Bodensteiner, J.B. Iverson, C.L. Milne-Zelman, T.S. Mitchell, **J.M.**

Refsnider, D.A. Warner, and F.J. Janzen. “Modeling the incubation microclimate to predict implications of responses to climate change for a thermally-mediated trait.” Society for Integrative and Comparative Biology Conference, New Orleans, LA, 5 January 2017.

Warner, D.A., J.B. Iverson, C. Milne-Zelman, T.S. Mitchell, **J.M. Refsnider**, B.

Bodensteiner, and F.J. Janzen. “Geographic variation in temperature-dependent sex determination in a widespread reptile, the painted turtle (*Chrysemys picta*).” Society for Integrative and Comparative Biology Conference, Portland, OR, January 2016.

Streby, H.M., **J.M. Refsnider**, S.M. Peterson, and D.E. Andersen. “Songbird nest-site choice is under selection pressures from the nesting and fledgling stages.” Nest Construction and Function Conference, Lincoln, England, 10 September 2015.

E.B. Rosenblum, T. Poorten, **J.M. Refsnider**, J. Ehrens, and A. Byrne. “Further evidence for rapid genomic evolution in *Batrachochytrium dendrobatidis*.” Amphibian Pathogens Annual Meeting, Tempe, AZ, 15 November 2014.

Refsnider, J.M., S. Des Roches, and E.B. Rosenblum. “Ecological release occurs at multiple spatial scales in a lizard from the White Sands formation.” Ecological Society of America Conference, Sacramento, CA, 14 August 2014.

Streby, H.M., **J.M. Refsnider**, S.M. Peterson, and D.E. Andersen. “Measuring productivity in songbirds: tradeoffs between nest success and fledgling survival mean we need to study both stages.” Cooper Ornithological Society - American Ornithologists’ Union Joint Meeting, Chicago, IL, 15 August 2013.

Keall, S.N., **J.M. Refsnider**, C.H. Daugherty, S.S. Godfrey, J.A. Moore, and N.J. Nelson. “Female tuatara minimise effort/risk by migrating to the closest nesting rookery.” 7th World Congress of Herpetology, Vancouver, British Columbia, Canada, 12 August 2012.

Bodensteiner, B. *, **J.M. Refsnider**, J. Reneker, and F.J. Janzen. “Nest depth does not compensate for sex ratio skews caused by climate change in turtles.” 7th World Congress of Herpetology, Vancouver, British Columbia, Canada, 11 August 2012.

Refsnider, J.M. and F.J. Janzen. “Environmental and evolutionary constraints on nest-site choice in a reptile with temperature-dependent sex determination.” 7th World Congress of Herpetology, Vancouver, British Columbia, Canada, 10 August 2012.

Keall, S.N., **J.M. Refsnider**, C.H. Daugherty, S.S. Godfrey, J.A. Moore, and N.J. Nelson. “Female tuatara minimise effort/risk by migrating to the closest nesting rookery.” 25th International Congress for Conservation Biology, Auckland, New Zealand, 5 December 2011.

Refsnider, J.M. and F.J. Janzen. “Maternal nest-site choice may compensate for effects of climate change in reptiles with temperature-dependent sex determination.” The Wildlife Society Conference, Waikaloa, HI, 7 November 2011.

Refsnider, J.M. and F.J. Janzen. “Nest-site choice in response to climate change and effects on offspring performance in a turtle with temperature-dependent sex determination.” Joint

Meeting of Ichthyologists and Herpetologists, Minneapolis, MN, 7 July 2011. (**Seibert Conservation Award for best student presentation**)

Sethuraman, A., R. Paitz, J. Christiansen, T. VanDeWalle, A. LeClere, C. Chandler, S.

McGaugh, E. Myers, **J. Refsnider**, J. Monson-Miller, S. Hayden, and F. Janzen. "Population genetics and phylogeographic history of *Emydoidea blandingii* across the Midwestern states of Iowa, Illinois, Nebraska and Minnesota." Midwest Partners in Amphibian and Reptile Conservation Meeting, Oregon, IL. 14 August 2010.

Refsnider, J.M. and F.J. Janzen. "Can maternal nest-site choice compensate for the effects of climate change on a reptile with temperature-dependent sex determination?" Iowa Academy of Science, Lamoni, IA, 17 April 2010.

Refsnider, J.M. and F.J. Janzen. "Can maternal nest-site choice compensate for the effects of climate change on a reptile with temperature-dependent sex determination?" Midwest Ecology and Evolution Conference, Ames, IA, 27 March 2010.

Refsnider, J.M. and F.J. Janzen. "Can maternal nest-site choice compensate for the effects of climate change on a reptile with temperature-dependent sex determination?" Society for Integrative and Comparative Biology Conference, Seattle, WA, 7 January 2010.

Refsnider, J.M., S.N. Keall, C.H. Daugherty, and N.J. Nelson. "Nest-site choice in the tuatara (Reptilia: Sphenodontia)." Ecological Society of America Conference, Milwaukee, WI, 7 August 2008.

Refsnider, J.M., S.N. Keall, C.H. Daugherty, and N.J. Nelson. "Nest-guarding decreases conspecific nest destruction in tuatara (*Sphenodon punctatus*)." Joint Meeting of Ichthyologists and Herpetologists, Montreal, Quebec, Canada, 24 July 2008.

Ramstad, K.M., J.A. Moore, and **J.M. Refsnider**. "Fierce females: Variation in intrasexual aggression among tuatara." 11th Congress of the European Society of Evolutionary Biology, Uppsala, Sweden, July 2007.

Ramstad, K.M., J.A. Moore, and **J.M. Refsnider**. "Fierce females: Variation in intrasexual aggression among tuatara." Evolution Society Meeting, Christchurch, New Zealand, June 2007.

Refsnider, J.M., N.J. Nelson, S.N. Keall, and C.H. Daugherty. "Female interactions in nest-site choice and nest guarding in tuatara." Society for Research on Amphibians and Reptiles in New Zealand Meeting, Dunedin, New Zealand, 11 February 2007.

Refsnider, J.M., N.J. Nelson, S.N. Keall, and C.H. Daugherty. "Fidelity vs. flexibility in nest-site choice by female tuatara: implications for population persistence under global climate change." Ecology Across the Tasman: New Zealand Ecological Society and Ecological Society of Australia, Wellington, New Zealand, 29 August 2006.

Refsnider, J.M. "Reproductive ecology of Blanding's turtles in Minnesota, USA." Australian Society of Herpetologists Conference, Healesville, Victoria, Australia, 20 April 2006.

Refsnider, J.M. "Post-emergence behaviour and paternity analysis of neonate Blanding's turtles: A multi-generational radio-telemetry study in Minnesota, USA." 5th World Congress of Herpetology, Stellenbosch, South Africa, 21 June 2005.

Refsnider, J.M. "Habitat use and movement patterns of female Blanding's turtles on nesting forays in Minnesota, and community involvement in conservation efforts." International Blanding's Turtle Conference, White Point Beach, Nova Scotia, Canada, 19 May 2005.

Refsnider, J.M. "Use of ephemeral wetlands during nesting forays by Blanding's turtles and implications for habitat conservation." Society for Conservation Biology Conference, New York City, NY, 2 August 2004.

Refsnider, J.M. “Use of ephemeral wetlands during nesting forays by Blanding’s turtles.” Joint Meeting of Ichthyologists and Herpetologists, Norman, OK, 28 May 2004.

SERVICE, OUTREACH, AND SYNERGISTIC ACTIVITIES

Associate Editor, Wildlife Society Bulletin, 2015 – present

Ohio Division of Wildlife Approved Herpetologist, 2025 – present

Fulbright Association Campus Coordinator, 2024 – present

Guest Editor, Frontiers in Ecology and Evolution special issue: “Nesting in Reptiles: Natural and Anthropogenic Threats and Evolutionary Responses,” 2021 – 2022

Scientific Programme Organizing Committee, 9th World Congress of Herpetology (Dunedin, New Zealand), 2019 – 2020

Faculty Mentor, Research Experience for Undergraduates Program, University of Toledo Lake Erie Center, 2016 – 2017

Environmental education programs for:

- Flower Hospital Auxiliary – Nature Kids Camp, Toledo, OH 2024 – 2025
- UToledo Stranahan Arboretum Research Expo for high school students, 2024 – 2025
- Notre Dame Academy, Toledo, OH 2024
- Maumee Valley Country Day School, Toledo, OH 2019 – 2024
- Marion Steel High School, Amherst, OH, 2018
- Tahoe Expedition School, Berkeley, CA, 2013 – 2015
- Cragmont Spanish Immersion Elementary School, Berkeley, CA, 2013 – 2015
- Pleasant Street Elementary School, Mount Vernon, OH, 2011
- St. Cecilia Elementary School, Ames, IA, 2010
- Camanche Elementary School, Camanche, IA, 2008 – 2009

Summer course instructor for:

- White Earth Indian Reservation Math and Science Academy, White Earth, Minnesota, 2013 – 2018
- Gun Lake Tribe’s Jijak Summer Youth Camp, Hopkins, Michigan, 2018

Panelist, National Science Foundation:

- Division of Integrated Organismal Systems, 2024
- Division of Integrated Organismal Systems, 2021
- Division of Environmental Biology, 2016

Referee for:

- Czech Science Foundation proposal reviewer, 2025

- Hutchison Conservation and Management Award (Society for the Study of Amphibians and Reptiles) for best student poster, 2025
- University of New South Wales PhD Dissertation, external examiner, 2023
- University of Canberra PhD Dissertation, external examiner, 2022
- Seibert Award (American Society of Ichthyologists and Herpetologists) for best student presentation, 2018
- National Science Foundation, New Generation of Polar Researchers Symposium (applications), 2014
- Herpetologists' League E.E. Williams graduate research grant, 2013 – 2014

Treasurer, Midwest Ecology and Evolution Conference, Ames, Iowa, 2010

Organizational committee and session leader, Iowa State University Center for Excellence in Learning and Teaching, 2010

Treasurer, Ecology and Evolutionary Biology Graduate Student Organization, Iowa State University, 2008 – 2011

Graduate student mentor, Turtle Camp Research and Education in Ecology (Ecological Society of America, SEEDS program), Thomson, IL, 2008

Volunteer Bird Surveyor for Hillary Miller, Victoria University, Wellington, New Zealand. Conducted bird surveys at Makara Hills, Karori, New Zealand, 2007

PRESS AND MEDIA COVERAGE

May 2025: Dr. Refsnider discusses climate change and implications for turtles on the podcast [The Wandering Naturalist](#)

November 2024: Our paper with Dr. Brad Carlson on box turtle personality was covered in an episode of the podcast [Herpetological Highlights](#)

January 2024: Dr. Josh Otten, lab alum, discusses the 10-year anniversary of the 2010 Kalamazoo River oil spill – the subject of his PhD dissertation at U Toledo – on [Fox 17 Kalamazoo](#)

June 2023: PhD student Josh Otten's paper in *Conservation Science and Practice* on the effectiveness of translocation as a conservation tool was featured by [Fox 17 Kalamazoo](#) and [The Wildlife Society](#)

September 2022: PhD student Josh Otten's paper in *Environmental Pollution* on how the 2010 Kalamazoo River oil spill impacted turtle survival was featured by [The Wildlife Society](#), [the Toledo Blade](#), [Michigan Public Radio](#), and [Discourse on Development](#)

August 2021: Our paper on how harmful algal blooms affect wildlife health in *Science of the Total Environment* was featured by [Yahoo News](#), [The Wildlife Society](#), [the Toledo Blade](#), and [ABC13 Toledo](#)

December 2020: Tyara Vazquez's MS research on effects of climate change on desert lizards was featured by [The Wildlife Society](#)

July 2020: Josh Otten's PhD research on the long-term effects of the 2010 Kalamazoo River oil spill on turtles was featured by [Michigan Public Radio \(WMUK\)](#) and [Great Lakes Now](#)

June 2018: Our paper on lizards responding to climate change by changing their behavior in *Functional Ecology* was featured by [UToledo News](#)

March 2018: Our recent State Wildlife Grant to study landscape-scale productivity by declining turtle and woodpecker species in the Oak Opening region was featured by [UToledo News](#)

August 2017: The NSF-funded Research Experience for Undergraduates Program run by Dr. Refsnider at the Lake Erie Center was featured by the [University of Toledo](#)

July 2017: Jessica Garcia's MS research on harmful algal bloom effects on turtles was featured by [ABC13 Toledo](#), [WTOL 11](#), the [University of Toledo](#), and [UToledo News](#)

June 2017: Dr. Refsnider discusses climate change's impacts on reptiles in [Nat Geo News](#)

December 2015: Our paper in *Genes, Genomes, and Genetics* on how the chytrid fungus, which causes a fatal skin disease in frogs, becomes less virulent after lab culturing was featured by the [Genes to Genomes Blog](#)

April 2014: Dr. Refsnider discusses climate change's impacts on reptiles in [Science News Explores](#)

March 2014: Dr. Refsnider discusses the challenges of studying how climate change affects reptiles in [Grist](#)

January 2014: Our paper in *Proceedings of the Royal Society* on how songbirds optimize nest-site choice was featured in [The Economist](#) and [The Scientist](#)

June 2011: Dr. Refsnider's field research on how turtles respond to climate change was featured in Bosque del Apache National Wildlife Refuge's (New Mexico) newsletter

PROFESSIONAL MEMBERSHIPS

American Society of Ichthyologists and Herpetologists
Ecological Society of America
Fulbright Alumni Association
Society for the Study of Amphibians and Reptiles
Society for Conservation Biology
The Wildlife Society
