

# TRACY ANN GREEN RITTENHOUSE

Associate Professor in the Department of Natural Resources and the Environment  
Faculty Affiliate in Center for Environmental Sciences and Engineering  
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## EDUCATION

Ph.D., Biological Sciences, University of Missouri, Columbia, MO. 2007.  
Dissertation Title: *Behavioral Choice and Demographic Consequences of Wood Frog Habitat Selection in Response to Land Use*

M.A., Biological Sciences, University of Missouri, Columbia, MO. 2002.  
Thesis Title: *Spotted Salamander Migration at a Pond on a Forest-Grassland Edge*

B.S., Wildlife Ecology, University of Wisconsin, Madison, WI. 2000.  
Natural Science Option, Graduated with Distinction

## PROFESSIONAL APPOINTMENTS

### University of Connecticut, Director of Wildlife and Fisheries Conservation Center.

Develop and support a network of researchers within several departments at UConn, researchers at private research organizations, and biologists at state and federal agencies. We work together to support the center mission to inform management decisions that affect the future sustainability of fish and wildlife species. *Jan 2019 – June 2023.*

### University of Connecticut, Associate Professor of Wildlife Ecology.

My research program addresses wildlife populations within intermixed systems, often forests perforated with human housing. I am currently motivated by this core question: why do some wildlife populations increase (e.g., deer, bear, bobcat) while many others decrease or persist in extinction debt within forest- and human-dominated landscapes? As an educator my goal is to facilitate learning by teaching science as science is practiced. I develop courses using backward design and use active-learning techniques in a student-centered classroom. *August 2018 – present.* <https://tracyrittenhouse.weebly.com/>

### University of Connecticut, Assistant Professor of Wildlife Ecology.

Test theories of habitat selection, migration and dispersal, and biodiversity and ecosystem function within the context of global change, including forest management, land use change, climate change, and disease. Facilitate student learning in both undergraduate and graduate courses by establishing a student-centered classroom and using active-learning techniques. *August 2011 – August 2018.*

**University of Wisconsin, Postdoctoral Fellow.** Woody biomass harvest and wildlife response. *Advised by Dr. Timothy Van Deelen. March 2010 – July 2011.*

**University of Wisconsin, Postdoctoral Fellow.** Wetlands invaded by reed canary grass and amphibian larval performance. *Advised by Dr. Joy Zedler. January 2007 – January 2010.*

**University of Missouri, Ph.D. Candidate.** Behavioral and demographic response of amphibians to experimental timber harvest. A collaborative NSF funded project with researchers

in Maine, Missouri, and South Carolina referred to as LEAP (Land-use Effects on Amphibian Population). *Advised by Dr. Raymond Semlitsch (deceased). June 2003 - December 2007.*

**Wisconsin Wetland Association, Policy Intern.** Illegal wetland dredge and fill. Current enforcement program and policy alternatives. *Supervised by Erin O'Brien. February 2007.*

**University of Missouri, Field Research Assistant.** Neo-tropical migrant songbird surveys for long-term monitoring project. *Supervised by Dr. John Faaborg. January 2005.*

**Missouri Department of Conservation, Research Assistant.** Least tern population breeding surveys on the Mississippi River. *Supervised by Dr. Rochelle Renken. June 2002 and June 2003.*

**University of Missouri, Masters Student.** Habitat edges and salamander migration. *Advised by Dr. Raymond Semlitsch. June 2000 - December 2002.*

**University of Georgia, SREL, Undergrad Research Intern.** Specific dynamic action of snakes. *Supervised by Drs. Bill Hopkins and Justin Congdon. June 1999 - August 1999.*

**University of Minnesota, Cedar Creek, Field Technician.** Plant biodiversity and biomass. *Supervised by Drs. Johannes Knops and David Tilman. May 1998 - August 1998.*

## PEER-REVIEWED PUBLICATIONS

Graduate or undergraduate student co-authors underlined.

### Published

50. Parsley, M.B., E.J. Crespi, **T.A.G. Rittenhouse**, J.L. Brunner, and C.S. Goldberg. 2024. Population-level environmental DNA concentrations vary greatly across productive and degradative conditions, with implications for the precision of population estimates. *Scientific Reports*. 14(1): e17392.
49. Vaziri, G.J., N.M. Reed, **T.A.G. Rittenhouse**, and D. I. Bolnick. 2024. Winter break? The effect of overwintering on immune gene expression in wood frogs. *Comparative Biochemistry and Physiology*. 52: e101296.
48. Dykstra, L.R., M.T.Huang, **T.A.G.Rittenhouse**. 2024. Mallard brood movements and survival in an urbanized landscape. *Journal of Wildlife Management*. 88(4): e22578.
47. Sims, M, H. Zeinab, M. Levin, **T.A.G. Rittenhouse**, J. Hawley, G.R. Risatti. 2023. Suburban Population of Bobcats (*Lynx rufus*) in Connecticut, USA, Tested Negative for SARS-CoV-2. *Journal of Wildlife Diseases*. 60(1):193-197.
46. K. E. Bischoff, Rittenhouse, C.D., and **Rittenhouse, T.A.G.** 2023. Introduced competitor reduces abundance of an imperiled cottontail. *Biological Invasions*.25(11): 3553-3566.
45. Bischoff, K.E., **T.A.G. Rittenhouse**, and C.D. Rittenhouse. 2023. Landscape context and spatial attributes matter for New England cottontail occupancy. *Journal of Wildlife Management*. e22417.

44. Wright, D.W., C.D. Rittenhouse, K. Moran, T.E. Worthley, and **T.A.G. Rittenhouse**. 2023. Responses of insectivorous bats to tree felling in forested wetlands. *Wildlife Society Bulletin*. e1431.
43. Dahrouge, N.C., and **T.A.G. Rittenhouse**. 2022. Variable temperature regimes and wetland salinity reduce performance of juvenile Wood Frogs. *Oecologia*. 199(4): 1021-1033.
42. Macklem D.C., J.M. Dickson, and **T.A.G. Rittenhouse**. 2022. Reproduction of *Eurycea bislineata* within watersheds with exurban development. *Herpetological Conservation and Biology*. 17(2): 229-248.
41. Earl J.E., S.M. Blomquist, E.B. Harper, D.J. Hocking, M.L. Hunter Jr, J.R. Johnson, M.S. Osbourn, D.A. Patrick, V.D. Popescu, **T.A.G. Rittenhouse** and B.B. Rothermel. 2022. Amphibian biomass export from geographically isolated wetlands: Temporal variability, species composition, and potential implications for terrestrial ecosystems. *Diversity. Special Issue on Amphibians in Isolated Wetlands* 14(3): 163.
40. Vegso, Z.T., A. Kalonia, S. Stevens, and **T.A.G. Rittenhouse**. 2022. Salinity conditions during the larval life stage affect terrestrial habitat choice. *Journal of Herpetology*. 56(1): 60-66.
39. Anderson, T.L, J.E. Earl, D.J. Hocking, M.S. Osbourn, **T.A.G. Rittenhouse**, and J.R. Johnson. 2021. Demographic effects of phenological variation in natural populations of two pond-breeding salamanders. *Oecologia*. 196(4): 1073–1083.
38. Wright, D., C.D. Rittenhouse, K. Moran, T.E. Worthley, **T.A.G. Rittenhouse**. 2021. Bat responses to silviculture treatments: Activity over 13 years of regeneration. *Forest Ecology and Management*. 494: 119359.
37. Macklem, D.C., A.M. Helton, M.W. Tingley, J.M. Dickson, and **T.A.G. Rittenhouse**. 2019. Stream salamander persistence influences by interaction between exurban housing age and development. *Urban Ecosystems*. 23: 117–132.
36. Evans, M.J., J.E. Hawley, P.W. Rego, and **T.A.G. Rittenhouse**. 2019. Hourly movement decisions indicate how a large carnivore inhabits developed landscapes. *Oecologia*. 2019:11–23.
35. Miller, D.A.W., Grant, E.H.C., Muths, E., Amburgey, S.M., Adams, M.J., Joseph, M.B., Hardin Waddle, J., Johnson, P.T.J., Ryan, M.E., Schmidt, B.R., Calhoun, D.L., Davis, C.L., Fisher, R.N. , Green, D.M., Hossack, B.R., **Rittenhouse, T.A.G.**, Walls, S.C., Bailey, L.L., Cruickshank, S.S., Fellers, G.M., Gorman, T.A., Haas, C.A., Hughson, W., Pilliod, D.S., Price, S.J., Ray, A.M., Sadinski, W., Saenz, D., Barichivich, W.J., Brand, A., Brehme, C.S., Dagit, R., Delaney, K.S., Glorioso, B.M., Kats, L.B., Kleeman, P.M., Pearl, C.A., Rochester, C.J., Riley, S.P.D., Roth, M., Sigafus, B.H. 2018. Quantifying climate sensitivity and climate-driven change in North American amphibian communities. *Nature Communications*. 9:3926.
34. Evans, M.J., and **T.A.G. Rittenhouse**. 2018. Evaluating spatially explicit density estimates of unmarked wildlife detected by remote cameras. *Journal of Applied Ecology*. 55: 2565 – 2574.

33. Evans, M.J., **T.A.G. Rittenhouse**, J.E. Hawley, P. Rego, and L. Eggert. 2018. Spatial genetic patterns indicate mechanism and consequences of large carnivore cohabitation within development. *Ecology and Evolution*. 8: 4815 – 4829.
32. Amburgey, S.M., D.A.W. Miller, E.H.C. Grant, **T.A.G. Rittenhouse**, M.F. Benard, J.L. Richardson, M.C. Urban, W. Hughson, A.B. Brand, C.J. Davis, C.R. Hardin, P.W.C. Paton, J.W. Petranka, C.J. Raithel, R.A. Relyea, A.F. Scott, D.K. Skelly, D.E. Skidds, C.K. Smith, and E.E. Werner. 2018. Range position and climate sensitivity: the structure of among-population demographic responses to climate variation. *Global Change Biology*. 24: 439–454.
31. Earl, J.E., E.B. Harper, D.J. Hocking, M.S. Osbourn, **T.A.G. Rittenhouse**, M. Glennie, and R.D. Semlitsch. 2017. Relative importance of timber harvest and habitat for reptiles in experimental forestry plots. *Forest Ecology and Management*. 402: 21–28.
30. O'Connor, K.M., L.R. Nathan, M.R. Liberati, M.W. Tingley, J.C. Vokoun, **T.A.G. Rittenhouse**. 2017. Camera trap arrays improve detection probability of wildlife: Investigating study design considerations using an empirical dataset. *PLOS One* 12:e0175684.
29. Evans, M.J., **T.A.G. Rittenhouse**, J.E. Hawley, and P.W. Rego. 2017. Black bear recolonization patterns on human-dominated landscapes vary based on housing: New insights from spatially explicit density models. *Landscape and Urban Planning* 162:13–24.
28. O'Connor, K.M., and **T.A.G. Rittenhouse**. 2017. Temporal activity levels of mammals in patches of early successional and mature forest habitat in eastern Connecticut. *American Midland Naturalist* 177:15–28.
27. Earl, J.E., E.B. Harper, D.J. Hocking, M.S. Osbourn, **T.A.G. Rittenhouse**, and R.D. Semlitsch. 2016. Effects of timber harvest on small mammals in experimental forestry plots. *Animal Biology* 66:347–362.
26. O'Connor, K.M., **T.A.G. Rittenhouse**, and J.L. Brunner. 2016. Ranavirus common in Wood Frog (*Lithobates sylvaticus*) tadpoles throughout Connecticut. *Herpetological Review* 47:394–397.
25. Grant, E.H.C., D.A.W. Miller, B.R. Schmidt, M.J. Adams, S.M. Amburgey, T. Chambert, S.S.F. Cruickshank, R.N. Fisher, D.M. Green, B.R. Hossack, P.T.J. Johnson, M. Joseph, **T.A.G. Rittenhouse**, M.E. Ryan, J.H. Waddle, S.C. Walls, L.L. Bailey, G.M. Fellers, T.A. Gorman, A.M. Ray, D.S. Pilliod, S.J. Price, D. Saenz, W. Sasinski, and E. Muths. 2016. Quantitative evidence for the effects of multiple drivers on continental-scale amphibian declines. *Scientific Reports* 6:25625.
24. O'Connor, J.H., and **T.A.G. Rittenhouse**. 2016. Snow cover and late fall movement influence wood frog survival during an unusually cold winter. *Oecologia* 181:635–644.
23. O'Connor, K.M., C.D. Rittenhouse, J.J. Millsbaugh, and **T.A.G. Rittenhouse**. 2015. Demographics and density estimates of three-toed box turtle (*Terrapene carolina*

*triunguis*) populations within forest and restored prairie sites in central Missouri. *PeerJ* 3:e1256.

22. Drake, D.L., B.H. Ousterhout, C.D. Shulse, D.J. Hocking, W.E. Peterman, T.L. Anderson, K.L. Lohraff, C.A. Conner, E.H. Harper, J.R. Johnson, **T.A.G. Rittenhouse**, B.B. Rothermel, L.S. Eggert, and R.D. Semlitsch. 2015. Pond-Breeding Amphibian Community Composition in Missouri. *American Midland Naturalist* 174:180–187.
21. Stupik, A.E., T. Sayers, M. Huang, **T.A.G. Rittenhouse**, and C.D. Rittenhouse. 2015. Survival and movements of post-fledging American kestrels hatched from nest boxes. *Northeastern Naturalist* 22:20–31.
20. Evans, M., J.E. Hawley, P. Rego, and **T.A.G. Rittenhouse**. 2014. Exurban land use facilitates human-bear conflicts in Connecticut. *Journal of Wildlife Management* 78:1477–1485.
19. Anderson, T. L., D.J. Hocking, C.A. Conner, J.E. Earl, E.E. Harper, M.S. Osbourne, W.E. Peterman, **T.A.G. Rittenhouse**, and R.D. Semlitsch. 2014. Abundance and phenology patterns of two pond-breeding salamanders determine species interactions in natural populations. *Oecologia* 177:761–773.
18. Peterman, W.E., **T.A.G. Rittenhouse**, J.E. Earl, and R.D. Semlitsch. 2013. Demographic network and multi-season occupancy modeling of *Rana sylvatica* reveal spatial and temporal patterns of population connectivity and persistence. *Landscape Ecology* 28:1601–1613.
17. Ortiz-Santaliestra, M.E., **T.A.G. Rittenhouse**, T.L. Cary, and W.H. Karasov. 2013. Interspecific and post-metamorphic variation in susceptibility of three North American anurans to *Batrachochytrium dendrobatidis*. *Journal of Herpetology* 47:286–292.
16. **Rittenhouse, T.A.G.**, D.M. MacFarland, K.J. Martin, and T.R. VanDeelen. 2012. Downed wood associated with roundwood harvest, whole-tree harvest, and unharvested stands of aspen. *Forest Ecology and Management* 266:239–245.
15. **Rittenhouse, T.A.G.** 2011. Anuran larval habitat quality when reed canary grass is present in wetlands. *Journal of Herpetology* 45:491–496.
14. **Rittenhouse, T.A.G.**, R.D. Semlitsch, and F.R. Thompson III. 2009. Survival costs associated with wood frog breeding migrations: effects of timber harvest and drought. *Ecology* 90:1620–1630.
13. Semlitsch, R.D., B.D. Todd, S.M. Blomquist, A.J.K. Calhoun, J.W. Gibbons, J.P. Gibbs, E.B. Harper, D.J. Hocking, M.L. Hunter Jr, G.J. Graeter, D.A. Patrick, **T.A.G. Rittenhouse**, and B.B. Rothermel. 2009. Effects of timber management on amphibian populations: understanding mechanisms from forest experiments. *Bioscience* 59:853–862.
12. **Rittenhouse, T.A.G.** and R.D. Semlitsch. 2009. Behavioral response of migrating wood frogs to experimental timber harvest surrounding wetlands. *Canadian Journal of Zoology* 87:618–625.

11. Méndez, S.I.S., D.E. Tillitt, **T.A.G. Rittenhouse**, and R.D. Semlitsch. 2009. Behavioral response and kinetics of terrestrial atrazine exposure in American toads (*Bufo americanus*). *Archives of Environmental Contamination and Toxicology* 57:590–597.
10. **Rittenhouse, T.A.G.**, E.B. Harper, *L. Reharde*, and R.D. Semlitsch. 2008. The role of microhabitats in the desiccation and survival of amphibians in a recently harvested oak-hickory forest. *Copeia* 2008:807–814.
9. Harper, E.B., **T.A.G. Rittenhouse**, and R.D. Semlitsch. 2008. Demographic consequences of terrestrial habitat loss for pool-breeding amphibians: Predicting extinction risks associated with inadequate size of buffer zones. *Conservation Biology* 22:1205–1215.
8. Hocking, D.J., **T.A.G. Rittenhouse**, B.B. Rothermel, J.R. Johnson, C.A. Conner, E.B. Harper, and R.D. Semlitsch. 2008. Breeding and recruitment phenology of amphibians in Missouri oak-hickory forests. *American Midland Naturalist* 160:41–60.
7. Semlitsch, R.D., C.A. Conner, D.J. Hocking, **T.A.G. Rittenhouse**, and E.B. Harper. 2008. Effects of timber harvesting on pond-breeding amphibian persistence: testing the evacuation hypothesis. *Ecological Applications* 18:283–289.
6. Williams, B.K., **T.A.G. Rittenhouse**, and R.D. Semlitsch. 2008. Leaf litter input mediates tadpole performance across forest canopy treatments. *Oecologia* 155:377–384.
5. **Rittenhouse, T.A.G.**, and R.D. Semlitsch. 2007. Post-breeding habitat use by wood frogs in a Missouri oak-hickory forest. *Journal of Herpetology* 41:645–653.
4. **Rittenhouse, T.A.G.**, and R.D. Semlitsch. 2007. Distribution of amphibians in terrestrial habitat surrounding wetlands. *Wetlands* 27:153–161.
3. **Rittenhouse, T.A.G.**, and R.D. Semlitsch. 2006. Grasslands as movement barriers for a forest-associated salamander: migration behavior of adult and juvenile salamanders at a distinct habitat edge. *Biological Conservation* 131:14–22.
2. **Rittenhouse, T.A.G.**, *T.T. Altmether*, and R.D. Semlitsch. 2006. Florescent powder pigments as a harmless tracking method for ambystomatids and ranids. *Herpetological Review* 37:188–191.
1. **Rittenhouse, T.A.G.**, *M.C. Doyle*, *C.R. Mank*, B.B. Rothermel, and R.D. Semlitsch. 2004. Substrate cues influence habitat selection by spotted salamanders. *Journal of Wildlife Management* 68:1151–1158.

## **GRANTS AND SCHOLARSHIPS**

### **Grants Awarded (24), Active award total \$533,837**

- ***Fisher Population Declines: The Role of Vegetation, Movement, and Adult Mortality.***  
CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. 07/22/2022 – 09/30/2026. \$250,693.

- ***Black bear foraging and conflicts with humans in exurban development.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. 07/19/2024 – 06/30/2028. \$283,144
- ***Inventory of Bats to inform building and tree management at Minute Man National Historical Park.*** National Park Service Cooperative Research and Training Program. 05/13/2024 – 03/30/2026. \$51, 931.12
- ***Supplement to Collaborative NSF: Linking environmental challenges to the likelihood and severity of epidemics: A view through the shifting window of susceptibility.*** NSF – DEB – Populations & Communities. Funds @ UConn \$59,207. 04/30/2021 – 04/30/2023.
- ***A collaborative approach for adaptive management of imperiled young forest dependent wildlife in Massachusetts.*** PI Dr. Jonathan Cohen at SUNY-ESF. Total funds awarded \$120,000. Funds @ UConn \$20,816. 09/01/2021 – 08/31/2024.
- ***Mallard Breeding Ecology and Habitat Use.*** Department of Energy and Environmental Protection – Migratory Bird Program. PI TAG Rittenhouse. 04/06/2021 – 12/31/2023. Funded @ \$100,500.
- ***Supplement to Bobcat resource selection and movements within exurban development.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Supplemental funds awarded \$135,400. 03/16/2020 – 6/30/2022.
- ***Training Forest Resources Graduates for an Exurban Forest Future.*** USDA NIFA National Needs Fellowship. Lead PI Fahey and Co-PIs Lawrence, Helton, Morzillo, Rittenhouse C, Rittenhouse TAG, Vokoun, Worthley. Funds awarded \$246,000. 2019 – 2023.
- ***Collaborative NSF: Linking environmental challenges to the likelihood and severity of epidemics: A view through the shifting window of susceptibility.*** PIs at University of Washington are Dr. Jesse Brunner and Dr. Erica Crepsi. NSF – DEB – Populations & Communities. Total funds awarded \$995,106, include [funds at WSU](#) and [funds at UConn](#) \$295,111. 05/15/2018 – 04/30/2021.
- ***Assessing wildlife response to silvicultural treatments within forested wetlands.*** Co-PIs Dr. Chadwick Rittenhouse and Thomas Worthley. McIntire-Stennis. 10/01/2018 – 09/30/2021. Funds awarded \$60,000.
- ***Bobcat resource selection and movements within exurban development.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Funds awarded \$175,061. 01/01/2018 – 12/31/2021.
- ***Estimating Deer Abundance.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Funds awarded \$101,431. 7/28/16 – 12/31/2018.
- ***Heavy Metal and Organic Contaminants in Snapping Turtles in Connecticut.*** Co-PI Dr. Melissa McKinney. CT Department of Energy and Environmental Protection – Endangered Species/Watchable Wildlife Income Tax Checkoff Fund. Funds Awarded \$29,094. 3/30/17 – 09/01/2018.
- ***Silvicultural Approaches to Increase Wildlife Diversity in Forest Wetlands.*** PI Chadwick Rittenhouse. Co-PI Tracy Rittenhouse and Thomas Worthley. McIntire-Stennis. Funds awarded at \$20,000. 10/01/2017 – 09/30/2018.
- ***Stream salamanders living within exurban watersheds.*** CT Department of Energy and Environmental Protection – Endangered Species/Watchable Wildlife Income Tax Checkoff Fund. Funds awarded \$34,275. 08/02/16 – 09/30/2017.
- ***Supplement to Genetic mark-recapture population estimate for Black Bears in Connecticut.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Funds awarded \$8,400. 09/01/2015 – 12/31/2016.

- ***Genetic mark-recapture population estimate for Black Bears in Connecticut.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Funds awarded \$281,382. 06/01/2012 – 05/31/2016.
- ***Assessment of Wildlife Responses to Management of Early Successional Habitats in Connecticut.*** USDA – Hatch. Funds awarded \$60,588. 10/01/2013 – 09/30/2018.
- ***Effects of road salts on ephemeral wetland ecosystems.*** Co-PI Dr. Ashley Helton. CT Institute of Water Resources. Funds awarded \$11,025. 03/01/2015 – 02/29/2016.
- ***Effects of landscape and Eastern Cottontails on New England Cottontail Survival.*** CT Department of Energy and Environmental Protection – Pittman Robertson Federal Aid. Funds awarded \$91,761. 3/1/2014 – 12/31/2015.
- ***Density Indices from Photographic Data for Management of Black Bears in CT.*** Co-PI Michael Evans. International Bear Association. Funds awarded \$10,000. 05/01/2014 – 05/01/2015.
- ***Monitoring Box Turtle abundance in Connecticut.*** CT Department of Energy and Environmental Protection – Income Tax Check Off Fund. Funds awarded \$13,976. 05/01/2013 – 08/31/2014.
- ***Prevalence of ranavirus in Connecticut: Survey to determine threat level to amphibian populations.*** CT Department of Energy and Environmental Protection – Income Tax Check Off Fund. Funds awarded \$15,752. 04/19/2012 – 08/31/2013.
- ***Effects of temperature variability on larval wood frog growth and development.*** UConn Large Faculty Grant. Funds awarded \$12,000. 01/01/2013 – 12/31/2013.

#### **Awards and Fellowships**

- 2022 Excellence in Service Award, AAUP UConn Chapter
- 2022 UConn Spirit Award Finalist, University Citizen Awards
- 2015 New England Cottontail Conservation Award, US Fish & Wildlife Service
- 2007 GAANN Fellowship, US Department of Education
- 2006 GAANN Fellowship, US Department of Education
- 2006 MU Conservation Biology Graduate Fellowship
- 2006 Trans World Airlines Scholarship
- 2005 Trans World Airlines Scholarship
- 2006 SSAR Henri Seibert Award for Best Student Conservation Paper
- 2004 Superior Graduate Student Award, University of Missouri
- 2003 MU Conservation Biology Summer Fellowship
- 2002 SSAR Henri Seibert Award for Best Student Paper Honorable Mention
- 2002 Midwest Fish and Wildlife Conference Student Poster Award 3<sup>rd</sup> Place
- 2001 Menke Scholarship for Wildlife, Webster Groves Nature Study Society
- 2001 Charles P. Bell Scholarship, Conservation Federation of Missouri

#### **TEACHING AND MENTORING**

##### **Primary Instructor Undergraduate Courses**

*NRE 2600E Global Sustainable Natural Resources, content area 4 course*

Spring 2021, 2023 & Summer Online 2021, 2022, 2023, 2024

*NRE 2600 Global Sustainable Natural Resources, content area 4 course*

Spring 2015, 2017, 2019

*NRE 3345W Wildlife Techniques, weekly 4-hour field laboratory & writing intensive course*

Fall 2012, 2013, 2014, 2015, 2016, 2018, 2020, 2021, 2022



*NRE 3345 Wildlife Techniques, weekly 4-hour field laboratory*

Fall 2017, 2021, 2023

*NRE 4370 Population Dynamics*

Spring 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2023, 2024

*NRE 4000W Natural Resources Planning & Management*

Spring 2018, 2020, 2022, 2024

### **Primary Instructor Graduate Courses**

*NRE 5370 Population Dynamics*

Spring 2021, 2023, 2024

*NRE 5200 Sustainable Natural Resource Management*

On-line Course Fall 2015

*NRE 5325 Wildlife Management*

Service-Learning Course Spring 2014

Wildlife in Urbanizing Landscapes Fall 2021

### **Postdoctoral Advisor**

Yanina Sica, Postdoctoral Scholar, July 2018 – July 2019

### **Major Advisor of Graduate Students**

Alexis Proudman, MS Student, August 2024 – present

Sydney Greenfield, PhD Student, Sept 2023 – present

Jason Hawley, PhD Student, Jan 2018 – present

Laura Dykstra, MS Student, Sept 2021 – May 2023

Katy Bischoff, MS Student, Sept 2020 – Dec 2022

Nicole Dahrouge, MS Student, Jan 2020 – May 2022

Dan Wright, MS Student, Co-Advised, Sept 2019 – 2020

Kristen Beattie, MS Student, August 2017 – May 2020

Skyler Stevens, PhD Student, Sept 2018 – August 2019

Jennifer Kilburn, MS Student, Jan 2016 – May 2018

D. Cristina Macklem, MS Student, August 2015 – May 2017

Michael Evans, PhD Student, May 2012 – May 2016

Kelly O'Connor, MS Student, August 2013 – Dec 2015

Jason O'Connor, MS Student, August 2012 – Aug 2014

### **Major Advisor Undergraduate with Independent Research Projects**

Abigail Bernstein, REU award, Summer 2022

Jenna Bartholomew, REU award, Summer 2022

Yelena Jaquith, REU award, Summer 2022

Silas Decker, REU award, Summer 2021

Claudia Harris, REU award, Summer 2021

Maya Rayle, REU award, Summer 2021

Annika Benedetti, SURF award and LSAMP award, Spring 2019 – Spring 2021

Zach Vegso, REU award, Summer 2019

Anila Kalonia, REU award, Summer 2019

Sarah Jacobson, SURF award, Spring 2017 – 2019

Ben Breslau, SURF award, Spring 2016 – Spring 2018

Malia Cordero, Presidential Scholar, Jan 2017 – Fall 2017

D. Cristina Macklem, Holster Scholar and University Scholar, Fall 2012 – Spring 2016

Jaron Kolek, SURF award, Fall 2014 – Spring 2015

Kelly O'Connor, SURF Award, Fall 2011 – Spring 2013

### **Associate Advisor on Student Committees**

Danielle Katz, Undergrad Honors Student in NRE, May 2023  
Grace Vaziri, PhD Student in EEB, current  
Melissa Ruszczyk, MS Student in NRE, current  
Samantha Apgar, PhD Student in EEB, August 2023  
Andrew Stillman, PhD Student in EEB, May 2021  
Amanda Deguire, MS Student in EEB, Dec 2020  
Kersey Lawrence-Apfel, PhD Student in NRE, Dec 2020  
Danielle Green, MS Student in NRE, May 2018  
Jennifer Bourque, MS student in NRE, May 2019  
Jan-Michael Hessenauer, PhD Student in NRE, Dec 2015  
Timothy Jensen, MS Student in NRE, May 2012  
Annie Stupik, Undergrad Honors Student in NRE, May 2014

### **Undergrad Students and Technicians Mentored**

\*denotes co-author on research paper, +denotes co-author on poster

Kerry Aldeman, Tim Altnether\*, Patrick Bailey, Jenna Bartholomew, Annika Benedetti, Jeff Bocek, Ben Breslau, Eric Brown, Erin Caruso, Max Castonguay, William Cassiday, Mouhamadou Cisse, Susan Couch, Malia Cordero, Kristen Craven, Eve Cullerton, Nate Davino, Meaghan Doyle\*, Elizabeth Evans, Dane Ferguson, Megan Graham, Robert Greco, Alix Godar, Carl Hutter, Sarah Jacobson, Yelena Jaquith, Anila Kalonia\*+, Jaron Kolek, Samantha Kreidas, Jaron Kolek+, D. Cristina Macklem\*+, C. Rachel Mank\*, Sarah Manstan, Eric McKean+, Hayley Morway, Kelly Niland+, Kelly O'Connor\*+, Michael O'Connor, Teresa Pearson, Hannah Perry, Julia Horlitz, Jordan Rabon, Lelande Reharde\*, Scott Reinhardt, Caitlin Rogers, Evan Smiley, Brian Saccardi, Brett Scheffers, Tiffany Shelton, Jamie Sias, Jaimie Simmons, Robert Staton, Annie Stupik\*+, Jess Thompson, Carl Underwood, Zach Vegso\*+, Eric Wengert, Brittany Watling, Sarah Weitkamp+, Caroline White.

## **PROFESSIONAL DEVELOPMENT**

- **Inclusive STEM Teaching Project, Summer 2023.**

I completed a 6-week inclusive teaching course. This national course was developed through a funded NSF project. Learning occurred through the completion of weekly online content and weekly in-person discussions with a learning community of UConn faculty also enrolled in the course. <https://www.inclusivestemteaching.org/>

- **Leadership Development Program, June 2021.**

I attended a weeklong training by the Missouri Training Institute. The training included self-reflection, communication and relationship building, conflict resolution and leading using the Clifton's strengths-based approach.

- **FIRST IV Fellow, Longitudinal Study from 2015 – 2019.**

I participated in the longitudinal research project associated with FIRST IV. I produced and submitted two videos of my instruction. I received feedback on my instruction. I recruited an assistant professor at UConn to participate in the program.

- **Invited Working Group Member, John Wesley Powell Center for Analysis and Synthesis in 2014.** USGS scientists from the Amphibian Research and Monitoring Initiative invited and funded 15 scientists to participate in this synthesis project. We are using a nation-wide dataset on amphibian occupancy and hierarchical spatial models to elucidate mechanisms underlying amphibian declines in the US. This collaboration has resulted in papers in *Nature Communications & Scientific Reports*, and an additional graduate student led paper in *Global Change Biology*  
<https://powellcenter.usgs.gov/view-project/526ae3a2e4b0be4db9fbf976>
- **WEBS Fellow, Women for Evolving Biological Sciences in 2013.** NSF funded program with Dr. Claire Horner-Devine (PI). Award includes registration, lodging and meals at symposium. Continue to participate in monthly conference calls.  
<http://advance.washington.edu/webs/>
- **FIRST IV Fellow, Faculty Institutes for Reforming Science Teaching from 2011-2013.** NSF funded program with Dr. Diane Ebert-May (PI). Award included registration, travel stipends, lodging, and meals for two week long symposiums in May 2011 and May 2012. In the academic year between those workshops, I produced a video of my instruction, submitted these videos, and received feedback on my instruction in 2013. I remain current on resources for undergraduate teaching through a listserve network of greater than 200 fellows in the FIRST program. <https://www.msu.edu/~first4/>

## **PROFESSIONAL SERVICE AND LEADERSHIP POSITIONS HELD**

### **Diversity Joint Venture**

- Executive Board member, 2022 – present

### **The Wildlife Society**

- Journal of Wildlife Management, Associate Editor, 2023 – present
- Member of parent organization, 1998 – present
- Colleges and Universities Working Group, Past Chair, 2023 – 2024
- Colleges and Universities Working Group, Chair, 2021 – 2022
- Colleges and Universities Working Group, Chair Elect, 2019 – 2020
- Colleges and Universities Working Group, Member, 2017 – present
- Urban Wildlife Working Group, Member, 2017 – present
- New England Chapter, Member, 2011 – present
- New England Chapter, CT Representative, 2013 – 2019
- Working Group for a Steady-State Economy, Treasurer, 2005 – 2007

### **Northeast Association of Fish & Wildlife Agencies**

- Member of Conference Planning Committee for Spring 2019
  - Co-Chair of Wildlife Program

### **North American Lagomorph Working Group**

- Member of 2022 – present

### **New England Cottontail Conservation Strategy**

- Member of Technical Advisory Committee, 2013 – present

- Attended annual meetings in 2014, 2015, 2016, 2021, 2022, 2023
- Member of the Research & Monitoring Working Group, 2022 – present
- Member of Population Management Working Group, 2013 – 2018
- Member of Captive Breeding Working Group, 2013 – 2018

### **Lagamorph Working Group**

- Member Sept 2022 – present

### **Partners in Amphibian and Reptile Conservation, Northeast Region (NEPARC)**

- Annual Conference Planning Committee in 2023
  - Chair of Research Presentations
  - Panel Organizer, Sharing the Landscape with Amphibians and Reptiles
- Member Disease Task Team, 2012 – 2017

### **CT Department of Energy and Environmental Protection Taxonomic Advisory Committee**

- State Wildlife Action Plan, Amphibian and Reptile Taxa Team, Member, 2023 – 2025
- State Wildlife Action Plan, Mammal Taxa Team, Member, 2023 – 2025
- Amphibian and Reptile Group Member, 2013 – present
  - Threatened and Endangered Species Reviewed in 2013, 2018, 2023
- State Wildlife Action Plan, Amphibian and Reptile Taxa Team, Member, 2014 – 2016

### **Wisconsin DNR Taxon Team for State Wildlife Action Plan, Member. 2014 – 2016**

### **Northeast Regional Conservation Needs Grant**

- Ranavirus Steering Committee Member, 2012 – 2016

### **Society for the Study of Amphibians and Reptiles, member 2001 – 2017**

### **Society for Conservation Biology, member 2000 – 2011**

### **Ecological Society of America, member 2000 – 2011**

### **Grant Agency/Peer Review Committees:**

- NSF – DEB – PCE Review Panel, Peer Reviewer, May 2023
- NSF – DEB, Ad Hoc Review, Peer Reviewer, May 2022
- NSF – DEB, Ad Hoc Review, Peer Reviewer, October 2017
- NSF – GRFP Review Panel, Grant Agency Review, Peer Reviewer, 12 – 16 January 2015
- SUNY – McIntire Stennis Review, Ad Hoc Review, Peer Reviewer, January 2015.
- Maine Agricultural and Forest Experiment Station, State, Grant Agency Peer Review, Review Board Member Reviewed funding proposal. December 2011

**Reviewer for** *American Midland Naturalist, Animal Conservation, Arctic Antarctic & Alpine Research, Biological Conservation, Conservation in Practice, Ecology, Ecography, Ecosphere, Journal of Applied Ecology, Journal of Herpetology, Journal of Fish and Wildlife Management, Journal of Wildlife Management, Landscape Ecology, Landscape and Urban Planning, Natural Areas Journal, Oecologia, Urban Naturalist, Wildlife Society Bulletin*, 2018 – present

**Reviewer for** *Aquatic Conservation, Animal Conservation, Biological Conservation, Biological Invasions, Biological Conservation, Canadian Journal of Zoology, Conservation Biology,*

*Diversity & Distributions, Ecological Processes, Ecological Applications, Forest Ecology and Management, Frontiers in Ecology and Evolution, Herpetological Conservation and Biology, Herpetological Review, Journal of Experimental Zoology, Journal of Herpetology, Journal of Wildlife Management, Restoration Ecology, Organisms Diversity and Evolution, PLOS One, Population Ecology, Wildlife Society Bulletin, Ursus, 2011 – 2017*

**Reviewer for** *Animal Conservation, Biological Conservation, Biotropia, Ecological Applications, Ecology, Journal of Herpetology, Hydrobiologia, Landscape Ecology, Forest Ecology and Management, Journal of Wildlife Management, Herpetological Review, Southeastern Naturalist, Herpetologica, Wetlands, prior to 2011*

## **LEADERSHIP AND SERVICE POSITIONS AT UCONN**

### UNIVERSITY LEVEL SERVICE

- UConn Faculty Senate
  - Member Fall 2024 – Present
- WIMSE (Women in Math, Science, & Engineering)
  - Established Peer Mentoring Groups in January 2021
  - Participant in a peer mentoring group, January 2021 – present
- Equity Task Force, Member of Dual Career Working Group, Spring 2020 – Fall 2022
  - [Report](#) submitted 5 December 2022
- UConn@COP, Member, Fall 2015 – 2019
  - Review 50-75 applications per year and attend on-campus COP events and planning meetings. Traveled with students to France in November 2015 and Germany in November 2017

### CENTER LEVEL SERVICE

- [Wildlife and Fisheries Conservation Center](#), Director, Jan 2019 – May 2023
- Wildlife and Fisheries Conservation Center, Member, 2011 – May 2023

### COLLEGE LEVEL SERVICE

- Power of Peers Faculty Coaching Circles
  - Co-Chair, CAHNR Program with 3 Circles in Spring 2024
- Strategic Vision Implementation Team
  - Co-Chair, Sustainable Landscapes Initiative, Fall 2020 – Spring 2023
  - Member, Sustainable Landscape Initiative, Fall 2023 – Present
  - Member, One Health SubGroup, Fall 2020 – Present
- Capacity Grant Review Panel, Member, Spring 2018, Spring 2023, Spring 2024
- CAHNR Scholarship Committee, Member, Spring 2014 – Spring 2018
- CAHNR Commencement
  - Lead Marshall in 2023, 2024
  - Faculty in attendance in 2012, 2017, 2018
  - Marshall in 2013, 2014, 2015, 2016, 2022
  - Registration in 2013
- Cornucopia. Display table & poster in 2012, 2013, 2014, 2015, 2016
- Diversity Committee, Member, Fall 2012 – Fall 2015
- CAHNR Graduate Student Research Forum, Presentation Judge, March 2012

#### DEPARTMENT LEVEL SERVICE

- PTR Committee
  - Chair, Fall 2021, 2023
- Merit Committee
  - Chair, Spring 2023
  - Member, Spring 2020, 2021
- NRE Faculty Leadership Council, Member, Fall 2019 – present
- UConn Forest Committee, Member, Spring 2018 – present
- Natural Resources Conservation Academy, Member, 2011 – present
  - Summer Academy 2012, 2013, 2014, 2015, 2016, 2017, 2018
  - Summer Virtual 2020
  - Summer Academy 2021, 2022, 2023
- Faculty Search, One Health in Pathobiology, Spring 2024
- Staff Search, APS3 Position in NRE, Fall 2022 – Spring 2023
- Faculty Search, Urban and Community Forestry, Fall 2021
- Faculty Search, Department Head, Member, Spring 2018
- Faculty Search, Ecotoxicology, Member, Fall 2018
- NRE Scholarship Committee, Chair, March 2014 – May 2018
- Nor
- CT Conference of Natural Resources, Co-Chair, Fall 2015 – Spring 2016
- NRE Seminar Series, Member, Fall 2015 – Spring 2016
- NRE Seminar Series, Chair, January 2013 – Spring 2015
- NRE Curriculum Review Committee, Member, August 2014 – Spring 2015
- NRE Program Review Committee, Member, September 2013 – March 2014
- Faculty Search, Human Dimensions, Member, September 2013 – February 2014