

Noah Weidig



EDUCATION

Master of Science, Forest Resources and Conservation

08/16/2023 – 08/09/2025

University of Florida

Gainesville, FL

- Thesis: *Patterns and drivers of large wildfires within and surrounding the wildland-urban interface of the eastern United States*, 4.0 GPA

Bachelor of Science, Biological Sciences

08/20/2018 – 05/07/2022

Northern Kentucky University

Highland Heights, KY

- Ecology/Evolution/Organismal track, *Summa Cum Laude*, 4.0 GPA

High School Diploma

08/13/2012 – 07/11/2016

Notre Dame de La Salette Boys' Academy

Georgetown, IL

- Summa Cum Laude

RESEARCH EXPERIENCE

Graduate Research Assistant

08/16/2023 – 08/09/2025

University of Florida WFREC

Milton, FL

- Full-time, 40 hrs/wk, PI: Dr. Victoria Donovan
- Investigated wildfire dynamics in the eastern United States wildland-urban interface (WUI)
- Examined changes in woody cover associated with different land-use types across the eastern United States

Research Assistant Intern

05/22/2023 – 08/04/2023

USDA Agricultural Research Services

Miles City, MT

- Full-time, 40 hrs/wk, PI: Dr. Carissa Wonkka & Dr. Devan McGranahan
- Investigated the interaction between fire and grazing on rangeland ecology using vegetation sampling, transects, and soil sampling

Fire and Recreation Intern

01/23/2023 – 05/11/2023

Student Conservation Association/US Forest Service

Norton, VA

- Full-time, 40 hrs/wk, Supervisor: Shane Sturgill
- Wildland firefighting, use of prescribed burns in conservation projects, trail maintenance, hand tool, and saw use

Research Assistant

05/31/2022 – 01/20/2023

University of Cincinnati

Cincinnati, OH

- Full-time, 40 hrs/wk, PI: Dr. Donald Lynch
- Investigated changes in platelet function following transcatheter valve interventions (TAVR/TMVR) using flow/spectral cytometry, confocal, super-resolution, and transmission electron microscopy, Western blotting, MACS, cell culture, and CRISPR-Cas9 gene editing

Research Assistant

Northern Kentucky University

05/10/2021 – 5/07/2022

Highland Heights, KY

- Part-Time, 25 hrs/wk 5/21 to 8/21, 9 hrs/wk 8/21 to 5/22, PI: Dr. Allison Parker
- Investigated the effects of nutrient concentration and water volume on oviposition choice in female *Culex* mosquitoes using two semi-controlled field assays involving larval and adult mosquito identification to species, mosquito trapping, and collection methods

Research Assistant

Northern Kentucky University

2/2020 – 9/2020

Highland Heights, KY

- Part-time, 10 hrs/wk, PI: Dr. Lauren Williamson
- Investigated the effects of maternal helminths on offspring neuroinflammation, response to neonatal infection, and learning in adulthood using stereology, microscopy, and cell culture

PUBLICATIONS

Ivey, M., Wonkka, C., **Weidig, N.**, & Donovan, V. (2024). Woody cover fuels large wildfire risk in the eastern US. *Geophysical Research Letters*, 51, e2024GL110586. <https://doi.org/10.1029/2024GL110586>

Weidig, N., Wonkka, C., Ivey, M., & Donovan, V. (2024). Changing large wildfire dynamics in the wildland-urban interface of the eastern United States. *International Journal of Wildland Fire*, 33(11), WF24110. [doi:10.1071/WF24110](https://doi.org/10.1071/WF24110)

Weidig, N., Miller, A., & Parker, A. (2022). The Goldilocks principle: Finding the balance between water volume and nutrients for ovipositing *Culex* mosquitoes (Diptera: Culicidae). *PloS ONE*, 17(11), e0277237. [doi:10.1371/journal.pone.0277237](https://doi.org/10.1371/journal.pone.0277237)

PRESENTATIONS

Ivory, A., Brock, K., Johnson, S., **Weidig, N.**, Hallett, M., Acevedo, M., & Scheffers, B. Southeastern *Myotis* (*Myotis austroriparius*) Use of Stormwater Sewer Systems. *Florida Bat Working Group Annual Meeting; Southeastern Bat Diversity Network*. Micanopy, FL, 04/2025.

Donovan, V., Crandall, R., Fill, J., Ivey, M., Ivory, A., **Weidig, N.**, & Wonkka, C. Unravelling changing wildfire regime dynamics in the eastern United States. *Auburn University College of Forestry, Wildlife and Environment Seminar*, Auburn, AL, 04/2025.

Donovan, V., **Weidig, N.**, Ivey, M., Crandall, R., Fill, J., & Wonkka, C. Unravelling changing wildfire regime dynamics in the eastern United States. *International Association for Landscape Ecology - North America Annual Conference*. Raleigh, NC, 04/2025.

Ivey, M., **Weidig, N.**, Ivory, A., & Donovan, V. Woody cover increases linked to forest infilling and land conversion in the eastern United States. *International Association for Landscape Ecology-North America Annual Conference*. Raleigh, NC, 04/2025.

Weidig, N., Wonkka, C., Ivey, M., Johnson, D., & Donovan, V. Fire at the fringe: Drivers of large wildfires in and near the wildland-urban interface of the eastern United States. *International Association for Landscape Ecology-North America Annual Conference*. Raleigh, NC, 04/2025.

Weidig, N., Wonkka, C., Ivey, M., Johnson, D., & Donovan, V. Key drivers of large wildfires in and near the eastern United States wildland-urban interface. *University of Florida Graduate Student Research Day*. Gainesville, FL, 04/2025.

Weidig, N., Wonkka, C., Ivey, M., & Donovan, V. Changing Large Wildfire Patterns in the Eastern United States Wildland-Urban Interface. *Northwest Florida Association of Environmental Practitioners Symposium*. Pensacola, FL, 11/2024.

Weidig, N. R Markdown: A Reproducible Workflow. *UF WFREC Invited Seminar*. Milton, FL, 6/2024.

Weidig, N., Wonkka, C., Ivey, M., & Donovan, V. Large Wildfire Patterns in the Wildland-Urban Interface of the Eastern United States. *International Association for Landscape Ecology - North America Annual Conference*. Oklahoma City, OK, 4/2024.

Donovan, V., Crandall, R., Fill, J., Ivey, M., **Weidig, N.**, Wonkka, C. Changing Large Wildfire Risk in the Southeastern U.S. *Gulf of Mexico Conference*. Tampa, FL, 02/2024.

Weidig, N., Niang, D., Williams, M., Poremba, K., Palumbo, J., Weyrich, A., Smyth, S., & Lynch, D. Inflammation-mediated reprogramming of platelets following transcatheter aortic valve replacement. *International Society for Applied Cardiovascular Biology Biennial Meeting*. Memphis, TN, 10/2022.

Weidig, N., Riley, B., Utz, R., & Parker, A. Effect of nutrient concentration and water volume on oviposition choice by *Culex* female mosquitoes. *Entomological Society of America Annual Conference*. Denver, CO, 11/2021.

Weidig, N., Miller, A., Bischoff, Z., Nguyen, P., & Parker, A. Effect of nutrient concentration and water volume on oviposition choice by *Culex* female mosquitoes. *Northern Kentucky University Heather Bullen Research Celebration*. Highland Heights, KY, 09/2021.

GRANTS, AWARDS, & FELLOWSHIPS

2025	International Association of Landscape Ecology Best Student Presentation Award	\$300
2025	University of Florida SFFGS Outstanding Teaching Assistant of the Year	—
2025	International Association of Landscape Ecology BioLEAPS Travel Award	\$1,650
2025	International Association of Landscape Ecology Student Travel Award	\$850
2024	University of Florida CALS Doris and Earl and Verna Lowe Scholarship	\$2,000
2024	University of Florida Institute of Food and Agricultural Sciences Travel Grant	\$250
2023-25	University of Florida CAPS two-year Graduate Assistantship	\$27,500
2022	Northern Kentucky University Outstanding Graduate in Biology Award	\$250
2022	95% Percentile on the Educational Testing Service Biology Major Field Test	—
2018-22	President's List nominee for eight consecutive semesters for maintaining a 4.00 GPA	—
2021	1 st place, Entomological Society of America 2021 student poster competition	\$75
2021	Dr. Carol Swarts Milburn Undergraduate Research Summer Fellowship Award	\$3,500
Total		\$63,875

TEACHING EXPERIENCE

University of Florida	Teaching Assistant
<i>Natural Resource Sampling (FNR 3410C)</i>	<i>Fall 2024</i>

- Instructor: Dr. Victoria Donovan
- Developed a video and R script for students to learn the use of statistical software

Fire Ecology and Management (FOR 3214/L)

Spring 2024

- Instructor: Dr. Victoria Donovan
- Presented a lecture on fire regimes
- Developed and taught a community ecology lab activity using active learning

Northern Kentucky University

Teaching Assistant

Biometry (BIO 342)

Spring 2022

- Instructor: Dr. Richard Durtsche
- Presented a lecture on logistic regression analysis

Introduction to Biology II (BIO 151)

Spring 2021

- Instructor: Dr. Allison Parker
- Assisted professor in class preparation, grading, and lecturing, and held office hours

Human Nutrition (BIO 126)

Summer & Fall 2020

- Instructor: Dr. Meghan Sanctuary
- Presented a lecture on intermittent fasting

SKILLS

R (*tidyverse*, Markdown, Quarto) ●●●●●

Python (ArcPy, PyCharm, Jupyter) ●●●○○

JavaScript (Google Earth Engine) ●●●●○

LaTeX (Markdown, Overleaf) ●●○○○

MEMBERSHIPS & AFFILIATIONS

International Association of Landscape Ecology	2023 – Present
Ecological Society of America	2022 – Present
Society for Ecological Restoration	2022 – 2023
Kentucky Academy of Science	2021 – Present
Tri-Beta Biological Honor Society	2021 – Present
Entomological Society of America	2021 – 2022
Ecologically Concerned Organization of Students, Vice President	2021 – 2022

CERTIFICATIONS

Wildland Fire Red Card, <i>US Forest Service</i>	February 2023
First Aid and CPR, <i>American Red Cross</i>	February 2023

RELEVANT COURSEWORK

Management of Invaded Ecosystems*	Tropical Ecology
GIS Programing and Customization*	Evolution of Organisms
Natural Resource Economics and Valuation*	Organic Chemistry
Scientific Writing and Presentation*	Environmental Toxicology
Visualization of Ecological Data*	Genetics
Topics in Geographic Information Systems*	Applied Calculus
Physiology of Forest Trees*	Animal Physiological Ecology
Forest Ecosystem Resilience*	Disease Ecology and Human Health
Biometry	S-130, Firefighter Training
General Ecology	S-190, Introduction to Wildland Fire Behavior
Advanced Writing in Biology	L-180, Human Factors in the Wildland Fire Service
Geographic Information Systems	<i>*Denotes graduate-level coursework</i>

WORK EXPERIENCE

Design Consultant

09/11/2021 – 06/03/2022

Garage Living

Cincinnati, OH

- Part-time, 15 hrs/wk, Supervisor: Matthew Ziebro
- Prepared garage/home remodeling project drawings using CAD and CRM software while corresponding with sales representatives to produce accurate quotes

Biology Prep Laboratory Assistant

02/2020 – 07/2020

Northern Kentucky University

Highland Heights, KY

- Part-time, 2 hrs/wk, Supervisor: Madeline Blevins
- Prepared experiments and supplies for microbiology, genetics, general biology laboratories, and routinely inspected laboratories for inventory management and safety compliance

Elections Clerk

08/2017 – 02/2020

Boone County Clerk's Office

Burlington, KY

- Part-time, 25 hrs/wk, Supervisor: Dawn Spritzky
- Managed the Voter Registration System database and Software Management Inventory system; tracked and implemented payroll for precinct workers; Utilized ArcGIS in district determination

Maintenance Assistant

06/2017 – 08/2017

Flexfab

Hastings, MI

- Full-time, 40 hrs/wk, Supervisor: Mark Rushford
- Managed ERP data system for proper company tool and die inventory; maintained accurate records of department purchasing history