

## Appointments

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**Michigan State University**  
Postdoctoral Research Fellow

East Lansing, MI  
2022–

## Education

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**University of Wisconsin-Madison**  
PhD Wildlife Ecology

Madison, WI  
2022

**University of Alabama**  
MS Biological Sciences

Tuscaloosa, AL  
2018

**Calvin University**  
BS Biology, BA Spanish

Grand Rapids, MI  
2014

## Publications

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16. Pease, B.S., **N.A. Gilbert**, W.R. Casola, K. Akamani. The Steller's Sea-Eagle in North America: an economic assessment of birdwatchers traveling to see a vagrant raptor. In review: *People and Nature*.
15. **Gilbert, N.A.**, J.L. Stenglein, J.N. Pauli, B. Zuckerberg. Human disturbance compresses the spatiotemporal niche. In press: *PNAS*.
14. **Gilbert, N.A.**, H.N. Eyster, E.F. Zipkin. Propagating uncertainty in ecological models to understand causation. In press: *Frontiers in Ecology and the Environment*.
13. **Gilbert, N.A.**, K.A. McGinn, L.A. Nunes, A.A. Shipley, J. Bernath-Plaisted, J.D.J. Clare, P.W. Murphy, S.R. Keyser, K.L. Thompson, S.B. Maresh Nelson, J.M. Cohen, I.V. Widick, S.L. Bartel, J.L. Orrock, B. Zuckerberg. Daily activity timing in the Anthropocene. In press: *Trends in Ecology and Evolution*.
12. **Gilbert, N.A.**, N.M. Anich, M. Worland, B. Zuckerberg. 2022. Microclimate complexities at the trailing edge of the boreal forest. *Forest Ecology and Management* 524:120533.
11. Zuckerberg, B., J.D. McCabe, **N.A. Gilbert**. 2022. Antipredator behaviors in urban settings: Ecological experimentation powered by citizen science. *Ecology and Evolution*. 12:e9269.
10. **Gilbert, N.A.**, J.L. Stenglein, T.R. Van Deelen, P.A. Townsend, B. Zuckerberg. 2022. Behavioral flexibility facilitates use of spatial and temporal refugia during extreme winter weather. *Behavioral Ecology* arab154.
9. Townsend, P.A., J.D.J. Clare, N. Liu, J.L. Stenglein, C.M. Anhalt-Depies, T.R. Van Deelen, **N.A. Gilbert**, A. Singh, K.J. Martin, B. Zuckerberg. 2021. Snapshot Wisconsin: networking community scientists and remote sensing to improve ecological monitoring and management. *Ecological Applications* 31:e02436.
8. **Gilbert, N.A.**, B.S. Pease, C.M. Anhalt-Depies, J.D.J. Clare, J.L. Stenglein, P.A. Townsend, T.R. Van Deelen, B. Zuckerberg. 2021. Integrating harvest and camera trap data in species distribution models. *Biological Conservation* 258:109147.
7. **Gilbert, N.A.**, J.D.J. Clare, J.L. Stenglein, B. Zuckerberg. 2021. Abundance estimation of unmarked animals based on camera-trap data. *Conservation Biology* 35:88-100.
6. Zuckerberg, B., J.M. Cohen, L.A. Nunes, J. Bernath-Plaisted, J.D.J. Clare, **N.A. Gilbert**, S.S. Kozidis, S.B. Maresh Nelson, A.A. Shipley, K.L. Thompson, A. Desrochers. 2020. A review of overlapping landscapes: pseudoreplication or a red herring in landscape ecology? *Current Landscape Ecology Reports* 5:140-148.

5. **Gilbert, N.A.** and P.F.B. Ferguson. 2019. Landscape patterns associated with occupancy of disturbance-dependent birds in the Blackland Prairie Ecoregion of Alabama and Mississippi. *Southeastern Naturalist* 18:381-404.
4. **Gilbert, N.A.** and P.F.B. Ferguson. 2019. Disturbance, but not the right kind: exurban development does not create habitat for shrubland birds. *Wilson Journal of Ornithology* 131:243-259.
3. **Gilbert, N.A.**, H.E. Horne, J.A. Trent. 2019. The Painted Bunting (*Passerina ciris*) breeds in central Alabama and eastern Mississippi. *Wilson Journal of Ornithology* 131:147-152.
2. **Gilbert, N.A.**, M.R.A. Eshleman, A.E. Janik, K.L. Kauffman, J.B. LaPergola. 2018. A rare observation of White-collared Swift (*Streptoprocne zonaris*) breeding activity on Hispaniola. *Journal of Caribbean Ornithology* 31:12-16.
1. Pope, W.C., ...**N.A. Gilbert**,...G.F. Hatfull (2,863 authors). 2015. Whole genome comparison of a large collection of mycobacteriophages reveals a continuum of phage genetic diversity. *eLife* 4e06416.

## Funding and Awards

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### Research Grants

2020	\$ 1,000	Animal Behavior Society
2017	\$ 600	Sea and Sage Audubon Society
2017	\$ 1,500	Pasadena Audubon Society
2017	\$ 1,165	Birmingham Audubon Society

### Fellowships and Scholarships

2022–2024	\$ 138,000	NSF Postdoctoral Research Fellowship in Biology
2021–2022	\$ 28,000	Thomsen Wisconsin Distinguished Graduate Fellowship
2021	\$ 1,000	McCabe-Keith Award, FWE UW-Madison
2018	\$ 2,000	New Graduate Student Scholarship, FWE UW-Madison
2017	\$ 2,500	Inge and Ilouise Hill Research Fellowship
2012–2013	\$ 2,000	Hazel Holtrop Natural Resources Scholarship
2011–2013	\$ 1,500	The Croul Family Foundation Scholarship
2010–2014	\$ 10,000	Calvin College Presidential Scholarship
2010–2012	\$ 2,500	Calvin College Heart and Mind Scholarship
2010–2014	\$ 1,000	Los Angeles Society for Coatings Technology Scholarship

### Travel Awards

2008–2019	\$ 3,690	Cumulative sum of 9 awards from 8 organizations
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### Honors

2021	Rising Star Award, <i>Conservation Biology</i>
2020	Best Graduate Student Talk, Wisconsin Chapter of The Wildlife Society
2018	Outstanding Teaching by a Graduate Student in Biological Sciences
2017	Kachemak Bay Shorebird Festival Shantz Foundation Scholar

## Prior Research Experience

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2016	Hispaniolan Woodpecker Research Technician	Cornell University
2015	Watershed Restoration Technician	Calvin College
2015	Lesser Prairie-Chicken Research Technician	Kansas State University
2013	Grassland Songbird Research Technician	Kansas State University
2012	Botanical Inventory Research Technician	Calvin College
2011–2014	Land Stewardship Technician	Calvin College
2011	Color Lab Technician	Behr Process Corporation

## Invited Seminars

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- 2022 **Lincoln Park Zoo**, Chicago, IL. “Animal behaviors and interactions in the Anthropocene”  
 2022 **Alabama Ornithological Society**, Dauphin Island, AL. “The Science and Art of Fishing”

## Selected Presentations (20 total)

† denotes poster

- Gilbert, N.A.**, J.L. Stenglein, J.N. Pauli, and B. Zuckerberg. 2022. Human disturbance compresses the spatiotemporal niche. Ecological Society of America, Montréal, Canada.
- Gilbert, N.A.**, J.L. Stenglein, T.R. Van Deelen, P.A. Townsend, and B. Zuckerberg. 2021. Deer exhibit behavioral flexibility in response to “winter weather whiplash”. International Association for Landscape Ecology-North America, Virtual.
- Gilbert, N.A.**, J.L. Stenglein, and B. Zuckerberg. 2020. Integrating harvest and citizen-science camera trap data to predict species distributions. Wisconsin Chapter of The Wildlife Society, Wisconsin Rapids, WI.
- † **Gilbert, N.A.**, J.L. Stenglein, and B. Zuckerberg. 2019. A statewide camera-trap network improves harvest-based abundance estimates. The Wildlife Society, Reno, NV.
- Gilbert, N.A.**, and P.F.B. Ferguson. 2018. Evening point counts produce similar estimates of detection and occupancy as morning ones. American Ornithological Society, Tucson, AZ.
- Gilbert, N.A.**, and P.F.B. Ferguson. 2017. Disturbance associated with exurban development does not create habitat for shrubland birds. American Ornithological Society, East Lansing, MI.
- Gilbert, N.A.**, and D. Warners. 2012. Floral Inventory and Phenology at Flat Iron Lake Preserve. West Michigan Undergraduate Science Research Conference, Grand Rapids, MI.

## Teaching

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|---------------|---------------------------|---|
| 2017–<br>2021 | <b>Guest Lecturer</b>     | <ul style="list-style-type: none"> <li>• <b>Species Distribution Modeling.</b> UW-Madison; created and conducted one lab exercise.</li> <li>• <b>Animal Population Dynamics.</b> UW-Madison; created and delivered one lecture.</li> <li>• <b>Ecological Modeling.</b> University of Alabama; created and delivered one lecture.</li> <li>• <b>Principles of Natural Resource Conservation.</b> University of Alabama; created and delivered two lectures.</li> </ul>   |
| 2016–<br>2018 | <b>Teaching Assistant</b> | <ul style="list-style-type: none"> <li>• Delivered lectures; supervised lab; created quizzes; graded assignments, quizzes, and exams</li> <li>• 2017–2018: taught 2 Introductory Biology labs per semester (35 students each) and was rated as “Excellent” by 90% of students and “Above Average” by 7% in student evaluations.</li> <li>• 2016: taught 2 Human Anatomy labs (30 students each) and was rated as “Excellent” by 62% of students and “Above Average” by 25% in student evaluations.</li> </ul> |
| 2013–<br>2015 | <b>Education Intern</b>   | <ul style="list-style-type: none"> <li>• Cincinnati Nature Center (2015)</li> <li>• Au Sable Institute of Environmental Studies (2014)</li> <li>• Calvin College Ecosystem Preserve (2013–2014)</li> </ul>  |

## Professional Service

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2020–2022	<b>Peer Review</b>	<i>Biological Conservation, Conservation Biology, Ecological Applications, Ecosphere, Environmental Monitoring and Assessment, Fire Ecology, Global Ecology and Conservation, Journal of Vertebrate Biology, Journal of Wildlife Management, Journal of Zoology, Landscape Ecology, Mammalian Biology, Mammal Research, Methods in Ecology and Evolution, Northeastern Naturalist, PeerJ, Southwestern Naturalist, Wildlife Society Bulletin, Wilson Journal of Ornithology</i>
2021	<b>WISCIENCE Mentor</b>	Mentored an undergraduate via a program providing research experiences for underrepresented groups
2019–2021	<b>Wisconsin Ecology Graduate Representative</b>	Organized social events and research symposia for the ecology community at UW-Madison
2018–2019	<b>Letters to a Pre-Scientist Pen Pal</b>	Wrote letters to elementary-school students to demystify scientific careers
2017–2022	<b>Breeding Bird Survey</b>	Conducted 1–3 USGS point count routes per season
2017–2018	<b>Science Olympiad</b>	Wrote ecology exams for Science Olympiad tournament
2017	<b>Faculty Search Committee Liaison</b>	Coordinated graduate student opinions of candidates for a tenure-track position (University of Alabama)
2010–2014	<b>eBird Data Reviewer</b>	Reviewed unusual citizen-science observations
2006–2018	<b>Bird Banding Assistant</b>	Volunteered to extract (1,000+ extractions) and process birds at five banding operations

## References

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### **Dr. Benjamin Zuckerberg (PhD adviser)**

Professor, Department of Forest and Wildlife Ecology, UW-Madison

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### **Dr. Elise Zipkin (Postdoctoral adviser)**

Associate Professor, Department of Integrative Biology, Michigan State University

- Phone: 517-884-8039
- Email: [ezipkin@msu.edu](mailto:ezipkin@msu.edu)

### **Dr. Jennifer Stenglein (PhD committee member)**

Research Scientist, Wisconsin Department of Natural Resources

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- Email: [jennifer.stenglein@wisconsin.gov](mailto:jennifer.stenglein@wisconsin.gov)

### **Dr. Paige Ferguson (MS adviser)**

Assistant Professor, Department of Biological Sciences, University of Alabama

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