

GUNNAR R. KRAMER

Assistant Professor

Department Natural Resource Ecology and Management

Iowa State University, Ames, Iowa, USA

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PROFESSIONAL APPOINTMENTS

2024–present Assistant Professor of Wildlife Ecology
Department of Natural Resource Ecology and Management
Iowa State University

2022–2024 Postdoctoral Fellow
National Science Foundation Postdoctoral Research
Fellowship in Biology (PRFB)
Museum of Comparative Zoology
Department of Organismic and Evolutionary Biology
Harvard University

EDUCATION

Ph.D. **University of Toledo**
Department of Environmental Sciences
Graduate's Dean Fellow, Ambassador for Diversity and Inclusion

M.S. **University of Minnesota**
Department of Fisheries, Wildlife, and Conservation Biology
Minnesota Cooperative Fish and Wildlife Research Unit

B.S. **University of Wyoming**
Department of Zoology and Physiology

GRADUATE FACULTY MEMBERSHIP

Department of Natural Resource Ecology and Management
Iowa State University (2024–present)

PEER REVIEWED PUBLICATIONS

[Google Scholar Profile](#), † indicates graduate student co-author in my lab, †† indicates graduate student co-author in another lab in my department, * indicates undergraduate student co-author under my mentorship.

– 2026 –

33. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. 2026. Migratory connectivity and barrier-crossing flights of *Vermivora* warblers are affected by synoptic weather conditions. *Journal of Animal Ecology* 95:327–344. <https://doi.org/10.1111/1365-2656.70190>

32. Filiberti, E., A. Roth, W.E. Thogmartin, E.J. Royal, K.R. Aldinger, R.E. Bennett, D.A. Buehler, L. Bulluck, R.A. Canterbury, R. Chandler, S.J. Clements, C.J. Fiss, K.A. Hobson, J.A. Jones, D. King, **G.R. Kramer**, J.L. Larkin, D.J. McNeil, J.D. Ritterson, A. Buckardt Thomas, R. Vallender, S.L. Van Wilgenburg, and P.B. Wood. 2026. Apparent annual survival of adult Golden-winged Warblers (*Vermivora chrysoptera*) does not differ by sex or region. *Ornithology* 143:ukaf049. <https://doi.org/10.1093/ornithology/ukaf049>

– 2025 –

31. **Kramer, G.R.**, S.E. Fischer^{††}, P. Ruhl, E. Berz, R. Huffines, D. Aborn, and H.M. Streby. 2025. Spatial and temporal migratory connectivity of two sympatrically breeding wood-warblers with geographically discordant population trends. *Journal of Avian Biology* 2025:e03358. <https://doi.org/10.1002/jav.03358>
30. Fischer^{††}, S.E., **G.R. Kramer**, M.J. Baumann, E.F. Fahy, K. Granillo, and H.M. Streby. 2025. Migratory connectivity and potential nonbreeding sexual segregation in Gray Vireos. *Wilson Journal of Ornithology*. <https://doi.org/10.1080/15594491.2025.2497654>

– 2024 –

29. Torstenson, M.S.^{††}, D. Wolfson^{††}, S.M. Safran^{††}, D.J. Walton^{††}, A.B. Hallberg^{††}, D. Kim^{††}, Y.F. Tan^{††}, **Gunnar R. Kramer**, D.E. Andersen. 2024. Conservation of North American migratory birds: insights from developments in tracking technologies. *Avian Conservation and Ecology* 19:13. <https://doi.org/10.5751/ACE-02749-190213>

– 2023 –

28. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Exposure to risk factors experienced during migration is not associated with recent *Vermivora* warbler population trends. *Landscape Ecology* 38:2357–2380. <https://doi.org/10.1007/s10980-023-01701-2>

– 2022 –

27. Peterson, S.M., H.M. Streby, **G.R. Kramer**, J.M. Fuera, and D.E. Andersen. 2022. Sex-based differences of parental care in divided broods of Golden-winged Warblers. *Journal of Avian Biology* 6:e02938. <https://doi.org/10.1111/jav.02938>
26. Refsnider, J.M., S.E. Carter, A. Diaz, A.C. Hulbert, **G.R. Kramer**, P. Madden, and H.M. Streby. 2022. Macro- and micro-habitat predictors of nest success and hatching survival in eastern box turtles (*Terrapene carolina carolina*) and spotted turtles (*Clemmys guttata*) in oak savanna landscapes. *Frontiers in Ecology and Evolution* 9:788025. <https://doi.org/10.3389/fevo.2021.788025>

– 2021 –

25. Toews D.P.L., M.D. Baiz, **G.R. Kramer**, I.J. Lovette, H.M. Streby, and S.A. Taylor. 2021. Extensive historical and contemporary hybridization suggests pre-mating isolation in *Vermivora* warblers is not strong: a reply to Confer et al. *Ecology and Evolution* 11:10720–10723. <https://doi.org/10.1002/ece3.7327>

– 2020 –

24. Toews D.P.L., **G.R. Kramer**, A.W. Jones, C.L. Brennan, B. Cloud, D.E. Andersen, I.J. Lovette, H.M. Streby. 2020. Genomic identification of intergeneric hybrids in New World wood-warblers (Aves: Parulidae). *Biological Journal of the Linnean Society* 13:183-191. <https://doi.org/10.1093/biolinnean/blaa085>
23. Baiz M., **G.R. Kramer**, H.M. Streby, S.A. Taylor, I.J. Lovette, D.P.L. Toews. 2020. Genomic and plumage variation in *Vermivora* hybrids. 2020. *Auk* 137:ukaa027. <https://doi.org/10.1093/auk/ukaa027> -cover-
22. **Kramer, G.R.**, and J.L. Mortensen. 2020. Endangered White-breasted Thrashers (*Ramphocinclus brachyurus*) reject mimetic Shiny Cowbird (*Molothrus bonariensis*) eggs. *Wilson Journal of Ornithology* 132:104-112. <https://doi.org/10.1676/1559-4491-132.1.104>
21. Delancy, C.D., K. Islam, **G.R. Kramer**, G.J. MacDonald, A.R. Sharp, B.M. Connare. 2020. Geolocators reveal routes, stopover sites, and nonbreeding dispersion in a population of Cerulean Warblers. *Animal Migration* 7:19-26. <https://doi.org/10.1515/ami-2020-0003>
20. Qian, S.S., J.M. Refsnider, J. Moore, **G.R. Kramer**, H.M. Streby. 2020. All tests are imperfect: Accounting for false positives and false negatives using Bayesian statistics. *Heliyon* 6:E03571. <https://doi.org/10.1016/j.heliyon.2020.e03571>

– 2019 –

19. **Kramer, G.R.**, K.O. Daly, H.M. Streby, and D.E. Andersen. 2019. Associations between American Woodcock seasonal productivity and landscape composition and configuration in Minnesota. Pages 107-121 in D.G. Krentz, D.E. Andersen, and T.R. Cooper, Editors. *Proceedings of the Eleventh American Woodcock Symposium*. University of Minnesota Libraries Publishing, Minneapolis, Minnesota, USA. <https://doi.org/10.24926/AWS.0115>
18. **Kramer, G.R.**, R.K. Pagel*, K. Maley*, C. Ziegler*, D.E. Andersen, D.A. Buehler, and H.M. Streby. 2019. Say what? Observations of bivalent singing in *Vermivora* warblers. *Ecology* 101:e02881. <https://doi.org/10.1002/ecy.2881>
17. Toews, D.P.L., S.A. Taylor, H.M. Streby, **G.R. Kramer**, and I.J. Lovette. 2019. Selection on VPS13A linked to migration in a songbird. *Proceedings of the National Academy of Sciences* 116:18272-18274. <https://doi.org/10.1073/pnas.1909186116>
16. Refsnider, J.M., S.E. Carter, **G.R. Kramer**, A.D. Siefker, H.M. Streby. 2019. Does dietary or microhabitat specialization correlate with environmental heterogeneity in horned lizards (Phrynosoma)? *Ecology and Evolution* 9:5542-5550. <https://doi.org/10.1002/ece3.5109> -cover-
15. **Kramer, G.R.**, S.M. Peterson, K.O. Daly, H.M. Streby, and D.E. Andersen. 2019. Left out in the rain: Comparing productivity of two associated species exposes a leak in the umbrella species concept. *Biological Conservation* 233:276-288. <https://doi.org/10.1016/j.biocon.2019.02.039>

– 2018 –

14. Taff, C.C., C.R. Freeman-Gallant, H.M. Streby, and **G.R. Kramer**. 2018. Geolocator deployment reduces survival, alters selection, and impacts demography in a

small songbird. *PLoS ONE* 13(12):e0207783.
<https://doi.org/10.1371/journal.pone.0207783>

13. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. 2018. Population trends in *Vermivora* warblers are linked to strong migratory connectivity. *Proceedings of the National Academy of Sciences* 115:E3192–E3200.
<https://doi.org/10.1073/pnas.1718985115>

(highlighted on the cover and accompanied by a PNAS Commentary; <https://doi.org/10.1073/pnas.1802174115>)
Winner 2021 Publication Award from The Wildlife Society

12. Streby, H.M., **G.R. Kramer**, S.M. Peterson, and D.E. Andersen. 2018. Evaluating outcomes of management targeting the recovery of a migratory songbird of conservation concern. *PeerJ* 6:e4319. <https://doi.org/10.7717/peerj.4319>
11. Streby, H.M., **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2018. Carefully interpreted light-level geolocator data can lead to the discovery of interesting animal behavior (Response to Lisovski et al.). *Current Biology* 28:R99-R100. <https://doi.org/10.1016/j.cub.2017.12.025>

– 2017 –

10. Streby, H.M., and **G.R. Kramer**. 2017. Comment on “Mixed effects of geolocators on reproduction and survival of Cerulean Warblers, a canopy-dwelling, long-distance migrant”. *Condor* 119:848-851. <https://doi.org/10.1650/CONDOR-17-111.1>
9. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, D.E. Andersen. 2017. Nonbreeding isolation and population specific migration patterns among three populations of Golden-winged Warblers. *Condor* 119:108-121. <https://doi.org/10.1650/CONDOR-16-143.1>

– 2015 –

8. Peterson, S.M., H.M. Streby, J.A. Lehman, **G.R. Kramer**, A.C. Fish, and D.E. Andersen. 2015. High-tech or field tech: High tech or field techs: radio telemetry is a cost-effective method for reducing bias in songbird nest searching. *Condor* 117:386-395. <https://doi.org/10.1650/CONDOR-14-124.1>
7. Peterson, S.M., H.M. Streby, **G.R. Kramer**, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2015. Geolocators on Golden-winged Warblers do not affect migratory ecology. *Condor* 117:256-261. <https://doi.org/10.1650/CONDOR-14-200.1> -cover photo by GRK-
6. Streby, H.M., T.L. McAllister, S.M. Peterson, **G.R. Kramer**, J.A. Lehman, and D.E. Andersen. 2015. Minimizing marker mass and handling time when attaching radio transmitters and geolocators to small songbirds. *Condor* 117:249-255. <https://doi.org/10.1650/CONDOR-14-182.1> -cover photo by GRK-
5. Streby, H.M., **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2015. Tornadic storm avoidance behavior in breeding songbirds. *Current Biology* 28:98-102. <https://doi.org/10.1016/j.cub.2014.10.079>
4. Streby, H.M., S.M. Peterson, **G.R. Kramer**, and D.E. Andersen. 2015. Post-independence fledgling ecology in a migratory songbird: implications for breeding grounds conservation. *Animal Conservation* 18:228-225.
<https://doi.org/10.1111/acv.12163>

– 2014 and earlier –

3. Streby, H.M., S.M. Peterson, J.A. Lehman, **G.R. Kramer**, B.J. Vernasco, and D.E. Andersen. 2014. Do digestive contents confound body mass as a measure of relative condition in nestling songbirds? *Wildlife Society Bulletin* 38:305-310. <https://doi.org/10.1002/wsb.406>
2. Streby, H.M., S.M. Peterson, J.A. Lehman, **G.R. Kramer**, K.J. Iknayan, and D.E. Andersen. 2013. The effects of force-fledging and premature fledging on the survival of nestling songbirds. *Ibis* 155:616-620. <https://doi.org/10.1111/ibi.12051>
1. **Kramer, G.K.**, A.D. Chalfoun. Growth rate and relocation movements of Common Nighthawk (*Chordeiles minor*) nestlings in relation to age. 2012. *Wilson Journal of Ornithology* 124:793-797. <https://doi.org/10.1676/1559-4491-124.4.793>

– In revision –

- Shertzer, E.R., **G.R. Kramer**, and A.D. Chalfoun. Migratory, molting, and overwintering strategies of sagebrush-associated songbirds are diverse and flexible. In revision, *Ornithology*.
- Brlík, V., P. Procházka, C.S. Rushing, D. Storch, H. Schmaljohann, M. Bulla, A. Skimmer, A.E. Jahn, A.R.P. Nelson, A. Hedenström, A. Romano, A.J. Sharp, A.G. Barras, A.H.J. Wellbrock, A. Hegemann, B.I. Tieleman, B. Czyż, B. Hansson, B.M. Van Doren, B.C. Dossman, C. Scandolara, C. Hewson, C. Both, C. Turcotte-van de Rydt, C.P. Barger, C. Tonra, D. Irwin, D. Ćiković, D. Arlt, D. Hasselquist, D. Parejo, D.R. de Zwaan, D. Rubolini, D. Tuero, D. Kishkinev, E.S. Bridge, E.A. Gow, F. Liechti, F. Bairlein, F. Bell, F. Jiguet, G. Norevik, G. Baudrin, **G.R. Kramer**, H. Justen, H. van der Jeugd, H.M. Streby, J. Ouwehand, J. Koleček, J.M. Hill, J.D. Ross, J. Partecke, J.M. Avilés, J.S. Costa, J.B. Burant, J.A. Alves, J.C. Hagelin, K. Thorup, K.R.S. Snell, K.A. Hobson, K.C. Fraser, K.J. Kardynal, K. Savides, K. Delmore, K. Witte, K. Sokolovskis, K.A. Mancuso, L.R. Neufeld, L. Smith, L. Halupka, M. Remisiewicz, M.D. Burgess, M.M. Sander, M. Buchmann, M. Flade, M. Briedis, M.P. Ward, M.T. Hallworth, M. Krist, M. Liedvogel, N.W. Cooper, N.G. Perlut, O. Tomášek, P. Cimprich, P. Adamík, P.P. Marra, P. Klvaňa, P. Bernardy, P. English, P. Matyjasiak, R.L. Cormier, R. Patchett, R. Ambrosini, R. Renfrew, S. Bani Assadi, S. Barišić, S.E. Fisher, S. Bensch, S. Hahn, S.P. Bravo, S. Åkesson, T. Emmenegger, T. Curk, T. Albrecht, T. Pärt, T. Laaksonen, V.R. Cueto, V. Salewski, W. Heim, W. Cresswell, W.V. DeLuca, Y. Rime, Y. Yamaura, D.R. Norris. Temporal links in avian migration schedules across the annual cycle. In revision, *Nature Ecology and Evolution*.

BOOK CHAPTERS

1. **Kramer, G.R.** Uncovering factors limiting populations of migratory birds across the annual cycle. In S.V. Edwards, and J.M. Reed, Editors. 2025. *New Perspectives in Ornithology: 21st Century Dispatches Across the World of Birds*. Oxford University Press, Oxford, United Kingdom. *Invited chapter*. <https://doi.org/10.1093/oso/9780197787670.003.0003>

ADDITIONAL PUBLICATIONS

Photo Gallery

1. **Kramer, G.R.**, R.K. Pagel, K. Maley, C. Ziegler, D.E. Andersen, D.A. Buehler, and H.M. Streby. Say what? Observations of bivalent singing in *Vermivora* warblers. 2020. *Bulletin of the Ecological Society of America* 101:e01627. <https://doi.org/10.1002/bes2.1627>.

Technical and Agency Reports Authored

9. Wilkins[†], K., and **G.R. Kramer**. 2026. Breeding and migratory ecology of at-risk birds and bats within restored woodlands of the Missouri River Corridor. 2025 Annual Report to the U.S. Fish and Wildlife Service.
8. Fischer, S.E., and **G.R. Kramer**. 2022. Geolocator analysis of Louisiana Waterthrush and Worm-eating Warblers. Final Report to Tennessee River Gorge Trust.
7. Streby, H.M. and **G.R. Kramer**. 2021. Assessment of bank swallow population size and nesting habitat at proposed erosion control project site on Audubon Islands State Nature Preserve. Final Report to Maumee River Area of Concern Action Committee.
6. Streby, H.M., **G.R. Kramer**, A.L. Lindsay, R.K. Pagel, and S.E. Fischer. 2018. 2018 surveys of game and non-game birds at The Nature Conservancy's Kitty Todd Preserve: Final Report.
5. **Kramer, G.R.**, and H.M. Streby. 2018. Range-wide migratory connectivity for full life-cycle conservation of the Golden-winged Warbler, a climate-sensitive songbird of the highest conservation concern: final report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
4. Streby, H.M., **G.R. Kramer**, P.B. Wood, D.A. Buehler, and D.E. Andersen. 2017. Range-wide migratory connectivity for full life-cycle conservation of the Golden-winged Warbler, a climate-sensitive songbird of the highest conservation concern: 2016 summary report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
3. Streby, H.M., **G.R. Kramer**, S.M. Peterson, P.B. Wood, D.A. Buehler, and D.E. Andersen. 2016. Range-wide migratory connectivity for full life-cycle conservation of the Golden-winged Warbler, a climate-sensitive songbird of the highest conservation concern: 2015 summary report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
2. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, P.B. Wood, D.A. Buehler, and D.E. Andersen. 2015. Range-wide migratory connectivity for full-life cycle conservation of the Golden-winged Warbler, a climate-sensitive songbird of the highest conservation concern: 2014 summary report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
1. Streby, H.M., **G.R. Kramer**, S.M. Peterson, and D.E. Andersen. 2014. Range-wide migratory connectivity for full-life cycle conservation of the Golden-winged Warbler, a climate-sensitive songbird of the highest conservation concern: 2013 summary report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit

PUBLISHED DATASETS

5. **Kramer, G.R.**, S.E. Fischer, P. Ruhl, E. Berz, R. Huffines, D. Aborn, and H.M. Streby. 2025. Data from: Spatial and temporal migratory connectivity of two sympatrically breeding wood-warblers with geographically discordant population trends. Iowa State University. Dataset. <https://doi.org/10.25380/iastate.25872271.v1>
4. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. 2018. Data and code supporting: Exposure to risk factors experienced during migration is not associated with recent *Vermivora* warbler population trends. Data Repository for the University of Minnesota, <https://hdl.handle.net/11299/250610>.
3. **Kramer, G.R.**, S.M. Peterson, K.O. Daly, H.M. Streby, and D.E. Andersen. 2019. Data supporting the comparison of Golden-winged Warbler and American Woodcock productivity in northern Minnesota, USA. Data Repository for the University of Minnesota, <https://doi.org/10.13020/znag-tn48>.
2. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. 2018. Data from range-wide study of migratory connectivity of *Vermivora* warblers. Data Repository for the University of Minnesota, <https://doi.org/10.13020/D6D97W>.
1. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. 2016. Raw light-level data from Golden-winged Warblers breeding at three sites in North America. Data Repository for the University of Minnesota, <http://doi.org/10.13020/D6R59C>.

GRANTS

Total funding secured as PI or co-PI: \$2,845,550; funding to ISU: \$2,514,643; funding to ISU as PI: \$592,909.

<i>Pending:</i>	<i>Status</i>	<i>Total to ISU</i>
Federal Aviation Administration, awarded*	<i>pending</i>	\$ 290,000
Partnership to Enhance General Aviation Safety, Accessibility, and Sustainability (PEGASAS) Center of Excellence for General Aviation <i>Land Use Coverage and How it Affects Wildlife Strikes to Aviation</i>		
PI: 80%; Blanchong, Ceylan, Dinsmore, Janke, Wolter (Co-PIs)		
<i>*Proposal selected for funding, but funds pending release due to FAA budget uncertainty</i>		

<i>Funded:</i>	<i>Status</i>	<i>Total to ISU</i>
Delta Waterfowl Foundation	2026–2029	\$ 132,816
<i>Movement Ecology of Ravens and Consequences for Waterfowl Nest Survival</i>		
PI: 75%; Janke (Co-PI)		

Iowa Ornithologists Union <i>Uncovering the Movement Ecology of Chimney Swifts in Iowa Using Novel IoT Transmitters</i> PI: 100	2026	\$	1,000
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Competitive State Wildlife Grant, USFWS & IA DNR <i>Breeding and Migratory Ecology of At-Risk Birds and Bats within Restored Woodlands of the Missouri River Corridor</i> PI: 100%	2025–2027	\$	169,093
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Iowa Department of Natural Resources <i>Iowa State University Multiple Species Inventory and Monitoring Program Field Component Beginning 2025</i> Co-PI: 20%; Dinsmore (PI)	2025–2027	\$	1,884,433
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College of Agricultural and Life Science Seed Grant Co-PI: 50%; Kral-O'Brien (PI), Janke, Toth, Edwards (Co-PIs)	2025	\$	37,301
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Proposals, preproposals, concept papers submitted but not selected:

U.S. Department of Energy, (concept paper) <i>Management Practices at Large-Scale Solar Farms to Maximize Wildlife Benefits and Reduce Operational Costs</i> Co-PI: 40%; Kral-O'Brien, Kimber, O'Neal (Co-PIs)	2025	\$	
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FELLOWSHIPS AND SCHOLARSHIPS

Total fellowships, scholarships, and awards: \$312,845.

NSF Postdoctoral Research Fellowship in Biology	2022–2024	\$	138,000
Putnam Expedition Grant, Harvard University	2023	\$	5,545
Putnam Expedition Grant, Harvard University	2022	\$	1,200
Biodiversity Working Group Grant, The Wildlife Society	2020	\$	100
U Toledo Graduate Dean's Fellowship	2018–2021	\$	125,000
L. Floyd Clarke Scholarship, U Wyoming	2011	\$	500
U Wyoming Honors Stipend	2007–2011	\$	4,000
W.R. Hotchkiss Award, Deluxe Corporation	2008–2011	\$	10,500
U Wyoming Peak Achievement Award	2007–2011	\$	28,000

AWARDS

Faculty Mentor of the Year, ISU McNair Program	2026		
W. Robert Parks Honors Commendation	2025		
Most Beloved Animal Ecology Professor, NREM	2025		
AOS Travel Award	2023	\$	340
Publication Award, The Wildlife Society	2021		
Graduate Student of the Year, North Central Section, TWS	2021	\$	500

Midwest Fish & Wildlife Conference Travel Award	2021	\$	75
Best Student Paper, Dept. of Env. Sci., U Toledo	2018	\$	100
Janice Lee Fenske Award Finalist	2018		
U Toledo Grad. Student Assoc. Travel Award	2018	\$	100
AOS Student Travel Award	2018	\$	400
Travel Award, Dept. of Env. Sci., U Toledo	2018	\$	230
Ohio Avian Research Conf. David O. Osborne Award	2017	\$	200
AOU Council's Student Presentation Award; NAOC VI	2016	\$	300
AOU Student Travel Award	2016	\$	190
Best Student Pres., MN Chapter of The Wildlife Society	2015	\$	75

GRADUATE STUDENTS ADVISED

Primary Advisor

4. **Annika Fridberg** – M.S. Wildlife Ecology, ISU, 2026–present, “Movement Ecology of Ravens and Consequences for Waterfowl Nest Survival”
3. **Katherina Wilkins** – M.S. Wildlife Ecology, ISU, 2025–present, “Habitat selection and carryover effects of Wood Thrush in the Missouri River Corridor”
2. **Robin Deisig** – M.S. Wildlife Ecology, ISU, 2024–present, “Multi-species productivity of songbird SGCN at WRP sites in the Prairie Pothole Region of Iowa”
1. **Coralee Bodeker** – M.S. Wildlife Ecology, ISU, 2024–present, “Space-use and migration ecology of Red-shouldered Hawks in a highly fragmented landscape”

Graduate Committees

7. **Santosh Bajagain**, PhD Wildlife Ecology, NREM, ISU, 2026–present (Janke)
6. **Austin Mannigel**, MS Fisheries Biology, NREM, ISU, 2026–present (Weber)
5. **Gabriel Runyon**, MS Wildlife Ecology, NREM, ISU, 2026–present (Janke)
4. **Douglas Kamaru Njeri**, PhD Wildlife Ecology, NREM, ISU, 2025–present (Goheen)
3. **Daniel Paulson**, MS Fisheries Biology, NREM, ISU, 2025–2026 (Moore, Weber)
2. **Chase Cessna**, MS Wildlife Ecology, NREM, ISU, 2024–present (Janke)
1. **Hunter Wells**, MS Wildlife Ecology, NREM, ISU, 2024–present (Dinsmore)

Other Graduate Students Mentored

- R. Kyle Pagel**, MS, University of Toledo, 2015-2019; currently at California Department of Fish and Wildlife
- Silas E. Fischer**, MS (2017–2020), PhD (2020–2026); University of Toledo; currently postdoc at Purdue

Undergraduate Students Mentored

[#] *Honors student*

- Grace Silvey[#]** – Spring 2026; ISU; First Year Honors Mentor Program; ISU; behavioral responses of desert-adapted birds to climate change.
- Avery Thome[#]** – Spring 2026; ISU; First Year Honors Mentor Program ISU; behavioral responses of desert-adapted birds to climate change.
- Henry Sodey[#]** – Spring 2026; ISU; First Year Honors Mentor Program; ISU; developing a mechanized owl decoy to improve raptor capture efficiency.
- Grace Binstock** – Fall 2025 – present; ISU; *Science With Practice* (Fall ‘26); physiological condition of nestling grassland birds.

Jessica Kowalski[#] – Spring 2025 – present; ISU; song recognition in antbirds.

Owen Burrack[#] – Fall 2024 – Spring 2025; ISU; investigating thermal characteristics of nesting materials within the context of climate change; *received \$280 to fund research from ISU Honors Program; *Currently: Naturalist with Worth County Conservation Board.*

Jairo Yopez Mujica – Fall 2024 – Spring 2026; *McNair Scholar*; ISU; investigating effects of host-parasite life history traits on telomere length. **Currently: Frontiers Program Scholar and graduate student in Dr. Andre Green's lab at University of Michigan.*

Matthew Parr – Spring 2024 – Spring 2025; ISU; investigating physiological responses of desert-adapted songbirds to climate change using blood smears and feather growth. **Currently: graduate student at University of Texas-Tyler studying migration of Caprimulgids in Texas.*

Trevor Longnecker – Spring 2024 – present; ISU; transcribing nest videos to characterize behavioral responses of desert-adapted songbirds to climate change

Nicole Mejia – Summer 2022 – 2023; Harvard University; investigated variation in nest composition among cavity-nesting desert songbirds. **Currently: PhD candidate at Cornell University.*

Esteban Mendez – Summer 2022; NSF Sevilleta LTER REU program; investigated spatial variation in arthropod communities at Sevilleta NWR

Joanna Saad – Spring 2017 – 2021; U Toledo developed project on geographic variation in plumage characteristics of *Vermivora* warblers

Christopher Roemer – Spring 2018 – Spring 2020; U Toledo; developed project assessing stress in migratory birds using microscopy to quantify heterophil/lymphocyte ratios in avian blood samples

SUCCEED mentor, UToledo to multiple undergraduate and graduate LGBTQIA+ students per year: 2018-2021

Academic Advising for WFCE students, 2024–present:

6 (2024), 15 (2025), 17 (2026)

CONFERENCE PRESENTATIONS

Oral Presentations: **19** first-author oral presentations, **3** presentation awards (**1** international, **2** regional)

*indicates undergraduate student co-author under my mentorship, †indicates graduate student co-author under my mentorship

36. Fischer[†], S.E., B. Vernasco, T. Spanbauer, **G.R. Kramer**, J. Refsnider, K. Glanville, K. Granillo, and H.M. Streby. Beyond reasonable drought: Effects of experimental water supplementation on growth, physiology, and post-fledging survival in Gray Vireos during severe drought. American Ornithological Society Annual Meeting. Amherst, Massachusetts. Aug 2026.

35. Deisig[†], R., A.M. Tucker, L. Gapinski, and **G.R. Kramer**. Temporal trends in the abundance-occupancy relationship for grassland birds in Iowa. American Ornithological Society Annual Meeting. Amherst, Massachusetts. Aug 2026.

34. Mortensen, J., and **G.R. Kramer**. *Ramphocinclus sanctaeluciae* (St. Lucia Thrasher) reject mimetic *Molothrus bonariensis* (Shiny Cowbird) eggs. 25th Annual BirdsCaribbean International Conference. Port-of-Spain, Trinidad. Jul 2026.

33. Yepez-Mujica, J.T.D., and **G.R. Kramer**. Environmental drivers of telomere length variation in migratory songbirds. ISU Symposium on Undergraduate Research and Creative Activity. Ames, Iowa, Apr 2026.
32. Yepez-Mujica*, J.T.D., and **G.R. Kramer**. Environmental drivers of telomere length variation in migratory songbirds. National Conference on Undergraduate Research. Richmond, Virginia. Apr 2026.
31. Deisig†, R., A.M. Tucker, L. Gapinski, and **G.R. Kramer**. Temporal trends in the abundance-occupancy relationship for grassland birds in Iowa. The 32nd Annual Meeting of the Wildlife Society. Edmonton, AB, CA. Oct 2025.
30. Yepez-Mujica*, J.T.D., and **G.R. Kramer**. Non-lethal costs of brood parasitism: Morphological development in cowbird-host systems. MKN Heartland McNair Research Conference. Kansas City, Missouri. Sep 2025.
29. Longnecker*, T., **G.R. Kramer**. How will Ash-throated Flycatcher incubation behavior change under future climate conditions. Iowa State University Symposium on Undergraduate Research and Expression. Ames, Iowa. Apr 2025.
28. Bodeker†, C., **G.R. Kramer**. Assessing changes in the distribution and abundance of breeding Red-shouldered Hawks (*Buteo lineatus*) in Iowa. Annual Meeting of the Iowa Chapter of The Wildlife Society. Ames, Iowa. Feb 2025.
27. Deisig†, R., A.M. Tucker, L. Gapinski, **G.R. Kramer**. Assessing avian SGCN occupancy and abundance trends in the Prairie Pothole Region of Iowa. Annual Meeting of the Iowa Chapter of The Wildlife Society. Ames, Iowa. Feb 2025.
26. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Variation in space use and exposure to potential risk factors during migration are not associated with *Vermivora* warbler population trends. 141st annual meeting of the American Ornithological Society (AOS). London, Ontario, Canada, Aug 2023.
25. **Kramer, G.R.**, S.M. Peterson, H.M. Streby, and D.E. Andersen. Conservation of golden-winged warblers based on regionally derived information. 81st Midwest Fish & Wildlife Conference. St. Paul, Minnesota (held virtually), Feb 2021.
24. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Variation in space use and exposure to potential risk factors during migration are not associated with *Vermivora* warbler population trends. 27th Meeting of The Wildlife Society. Lexington, Kentucky (virtual), Oct 2020.
23. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Variation in space use and exposure to potential risk factors during migration are not associated with *Vermivora* warbler population trends. North American Ornithological Conference VII. San Juan, Puerto Rico (virtual), Aug 2020.
22. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide migration patterns and

- distribution of *Vermivora* warblers during the nonbreeding period. 25th Meeting of The Wildlife Society. Cleveland, Ohio, Oct 2018.
21. **Kramer, G.R.**, H.M. Streby (presenter), S.M. Peterson, K.O. Daly, and D.E. Andersen. What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape. 25th Meeting of The Wildlife Society. Cleveland, Ohio, Oct 2018.
 20. Toews, D.P.L. (presenter), S.A. Taylor, **G.R. Kramer**, H.M. Streby, and I.J. Lovette. Population genomics of *Vermivora* warblers. International Ornithological Congress, Vancouver, British Columbia, Canada, Aug 2018.
 19. Refsnider, J.M. (presenter), S. Carter, I. Clifton, **G.R. Kramer**, S.S. Qian, A. Siefker, H.M. Streby, and T. 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, New York, Jul 2018.
 18. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide migration patterns in *Vermivora* warblers. American Ornithology Society Meeting. Tucson, Arizona, Apr 2018.
 17. **Kramer, G.R.**, H.M. Streby (presenter), S.M. Peterson, K.O. Daly, and D.E. Andersen. What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape. American Ornithology Society Meeting. Tucson, Arizona, Apr 2018.
 16. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide migration patterns and distribution of *Vermivora* warblers during the nonbreeding period. 78th Midwest Fish and Wildlife Research Conference. Milwaukee, Wisconsin, Jan 2018.
 15. **Kramer, G.R.**, K.O. Daly, H.M. Streby, and D.E. Andersen. A spatially explicit method for estimating the effects of landscape composition and configuration on full-season productivity of American Woodcock in Minnesota. 11th American Woodcock Symposium. Roscommon, Michigan, Oct 2017.
 14. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide migration patterns and distribution of *Vermivora* warblers during the nonbreeding period. Ohio Avian Research Conference. Granville, Ohio, Oct 2017. ***David O. Osborne Award***
 13. Buehler, D.A. (presenter), **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.J. McNeil, J.L. Larkin, D.E. Andersen, P.B. Wood, and H.M. Streby. (Invited). New insights into the migration ecology and full life cycle conservation of Golden-winged Warblers. Annual Meeting of the Tennessee Ornithological Society. Knoxville, Tennessee, 2017.
 12. **Kramer, G.R.**, D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide migration patterns and

distribution of *Vermivora* warblers during the nonbreeding period. American Ornithological Society Annual Meeting. East Lansing, Michigan, Aug 2017.

11. **Kramer, G.R.**, D.E. Andersen (presenter), D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and H.M. Streby. Range-wide assessment of wintering distributions and migration routes of Golden-winged Warblers using geolocators. The Wildlife Society's 23rd Annual Meeting. Raleigh, North Carolina, Oct 2016.
10. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. Nonbreeding isolation and population-specific migration routes among three populations of Golden-winged Warbler. North American Ornithological Conference VI. Washington, D.C., Aug 2016

AOU Council Student Presentation Award

9. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. Wintering grounds and migratory routes of golden-winged warblers discovered using light-level geolocators: implications for full life-cycle management. Midwest Fish and Wildlife Conference. Grand Rapids, Michigan, Jan 2016.
8. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. Migration and movement ecology of golden-winged warblers derived from geolocators. American Ornithologists' Union and Cooper Ornithological Society Joint Meeting. University of Oklahoma, Norman, Oklahoma, Jul 2015.
7. Streby, H.M., **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.A. Buehler, and D.E. Andersen. Evacuation migration: tornadic storm avoidance behavior in breeding warblers. Invited Symposium Presentation, Cooper Ornithological Society - American Ornithologists' Union joint meeting. Norman, Oklahoma. Jul 2015.
6. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, and D.E. Andersen. There and back again: migratory behaviors of Golden-winged Warblers discovered using geolocators. Joint meeting of the Minnesota and Wisconsin Chapters of The Wildlife Society. Duluth, Minnesota, Feb 2015.

Best Graduate Student Presentation Award

4. Buehler D.A. (presenter), H.M. Streby, D.E. Andersen, P.B. Wood, S.M. Peterson, **G.R. Kramer**, and J.A. Lehman. Recent advances in migratory connectivity research on Golden-winged Warblers. Joint Meeting of the Northeast and Southeast Partners in Flight. Virginia Beach, Virginia. Sep 2014.
3. Streby H.M. (presenter), D.E. Andersen, S.M. Petersen, and **G.R. Kramer**. (Invited). Full-season habitat associations of forest nesting songbirds. Minnesota Chapter of The Wildlife Society and American Bird Conservancy. Palsisade, Minnesota. Aug 2014.
2. **Kramer G.R.**, H.M. Streby, S.M. Peterson, and D.E. Andersen. "What do we know about Golden-winged Warblers in Minnesota?". Minnesota Chapter of The Wildlife Society Annual Meeting. Bemidji, Minnesota. Feb 2014.
1. **Kramer, G.R.**, and A.D. Chalfoun. Common Nighthawk nestling growth rates and movements in Grand Teton National Park. University of Wyoming Undergraduate Research Day. Laramie, Wyoming. Apr 2011.

Poster Presentations

* indicates undergraduate student co-author under my mentorship, † indicates graduate student co-author under my mentorship

11. Kowalski*, J., **G.R. Kramer**, P. Kelley. Behavioral complexity in joint territorial defense of a tropical understory bird, Chestnut-backed Antbird (*Poliocrania exsul*). American Ornithological Society Annual Meeting. Amherst, Massachusetts. Aug 2026.
10. Sodey*, H., C. Bodeker, and **G.R. Kramer**. Design, prototyping, and finalization of an owl decoy for capturing raptors. ISU Symposium on Undergraduate Research and Creative Activity. Ames, Iowa, Apr 2026.
9. Deisig†, R.S., and **G.R. Kramer**. Juvenile movement and habitat characteristics of two songbird species of concern on restored wetland properties in central Iowa. Iowa Chapter of The Wildlife Society Annual Meeting. Feb 2026.
8. Bodeker†, C., and **G.R. Kramer**. Landscape-scale nest site selection of breeding Red-shouldered Hawks in Iowa over four decades. Iowa Chapter of The Wildlife Society Annual Meeting. Feb 2026.
7. Wilkins†, K., A. Buckardt Thomas, T. Harms, R. Wilson, and **G.R. Kramer**. Autumn migration departure timing of Wood Thrush in Iowa and Nebraska. Iowa Chapter of The Wildlife Society Annual Meeting. Feb 2026.
6. Yepez Mujica*, J. T. D., and **G.R. Kramer**. Telomere dynamics in cowbird-host systems in grassland birds. Iowa Chapter of The Wildlife Society Annual Meeting. Feb 2026.
5. Yepez Mujica*, J.T.D., and **G.R. Kramer**. Physiological costs of brood parasitism: Telomere dynamics of cowbirds and their hosts. NDiSTEM/SACNAS Annual Meeting. Columbus, Ohio. Oct 2025.
4. Yepez Mujica*, J.T.D., and **G.R. Kramer**. Telomere length in grassland birds and cowbirds: the biological cost of parasitism. Annual McNair Research Symposium. Iowa State University, Ames, Iowa. Apr 2025.
3. Pagel†, R.K., **G.R. Kramer**, C.L. Ziegler*, K. Maley*, and H.M. Streby. Say what? Inter-annual, inter-specific song switching in Golden- and Blue-winged Warblers. American Ornithology 2017. East Lansing, Michigan. Aug 2017.
2. Streby, H.M., S.M. Peterson, **G.R. Kramer (presenter)**, and D.E. Andersen. Post-independence fledgling ecology in Golden-winged Warblers: implications for breeding-grounds conservation and management. Midwest Fish and Wildlife Conference. Kansas City, Kansas. Jan 2014.
1. **Kramer, G.R.**, A.D. Chalfoun. Factors associated with the relocation of dependent nestlings in Common Nighthawks. The Wildlife Society Annual Meeting. Waikoloa, Hawaii. Nov 2011.

INVITED PRESENTATIONS FOR PROFESSIONALS AND/OR THE PUBLIC

16. **Kramer, G.R.** Birds as barometers: Tracking migratory songbirds to inform conservation in a changing world. Birding Club, Iowa State University. Ames, Iowa. Apr 2026.
15. **Kramer, G.R.** Birds as barometers: Tracking migratory songbirds to inform conservation in a changing world. Honors Salon, Honors Program, Iowa State University. Ames, Iowa. Oct 2025.

14. **Kramer, G.R.**, P. Wolter, S. Dinsmore, A. Janke, J. Blanchong, and H. Ceylan. Project No. 42 – Land use coverage and how it affects wildlife strikes to aviation. PEGASAS 2025 Annual Meeting. FAA WJ Hughes Technical Center for Advanced Aerospace, Atlantic City, New Jersey. 18 June 2025 (virtual).
13. **Kramer, G.R.** Tracking migratory songbirds to inform conservation. Department of Forestry and Natural Resources, Purdue University, West Lafayette, Indiana. Feb 2025.
12. **Kramer, G.R.** Tracking migratory songbirds to inform conservation. Department of Natural Resource Ecology and Management, Iowa State University, Ames, Iowa. Mar 2024.
11. **Kramer, G.R.** Tracking migratory songbirds to inform conservation. Spring Meeting of the Iowa Ornithologists' Union. Clinton, Iowa. May 2024. *Invited keynote*.
10. **Kramer, G.R.** Identifying and addressing threats to wildlife in the Anthropocene. Department of Natural Resource Ecology and Management, Iowa State University, Ames, Iowa. Apr 2023.
9. **Kramer, G.R.** Migratory connectivity of *Vermivora* warblers: why it matters where you winter. Adult Learning Series, Metroparks Toledo, Toledo, Ohio. Mar 2018.
8. **Kramer, G.R.** Migratory connectivity of *Vermivora* warblers: why it matters where you winter. Science Seminar Series, Department of Biological Sciences, Arkansas State University, Jonesboro, Arkansas. Feb 2018.
7. **Kramer, G.R.**, D.E. Andersen, H.M. Streby, S.M. Peterson, and K.O. Daly. Golden-winged Warbler & American Woodcock Full Life-Cycle Biology and Management. U.S. Fish and Wildlife Service – Region 3 Headquarters, Bloomington, Minnesota. Jun 2017.
6. Streby, H.M. (presenter), **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. "Tracking Golden-winged Warbler migration with geolocators reveals population specific timing, routes, and wintering areas". Inland Bird Banding Association Annual Meeting, Connersville, Indiana. Nov 2016.
5. Streby, H.M. (presenter), **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. "Tracking Golden-winged Warbler migration with geolocators reveals population specific timing, routes, and wintering areas". Black Swamp Bird Observatory Fall Warbler Workshop, Oregon, Ohio. Oct 2016.
4. Buehler, D.A. (presenter), **G.R. Kramer**, S.M. Peterson, J.A. Lehman, D.J. McNeil, J.L. Larkin, D.E. Andersen, P.B. Wood, and H.M. Streby. "New insights into the migration ecology and full life cycle conservation of Golden-winged Warblers". Chattanooga Chapter of the Tennessee Ornithological Society, Chattanooga, Tennessee, Sep 2016.
3. Streby, H.M. (presenter), **Kramer G.R.**, Peterson S.M., Lehman J.A., Buehler D.A., Andersen D.E. Evacuation migration: tornadic storm avoidance behavior in breeding warblers. Purdue University Forestry and Natural Resources Seminar Series, West Lafayette, Indiana, Mar 2016.
2. Peterson S.M. (presenter), H.M. Streby, **G.R. Kramer**, and D.E. Andersen. (Invited). Recent advances in Golden-winged Warbler ecology. Minnesota Ornithologists' Union Annual Meeting. Minneapolis, Minnesota. Dec 2014.

1. **Kramer, G.R.**, H.M. Streby, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, and D.E. Andersen. There and back again: migratory behaviors of Golden-winged Warblers uncovered using geolocators. FNRM 8107 Graduate Student Seminar Series, University of Minnesota, St. Paul, Minnesota, Dec 2014.

TEACHING

Iowa State University

Department of Natural Resource Ecology and Management

Avian Ecology (*WFCE 5160*; 3 cr.): even Springs (2026–present)
Wildlife Ecology and Management (*WFCE 4510*; 3 cr.): every Spring (2024–present)
Ecological Methods (*WFCE 3710*; 3 cr.): every Fall (2024–present)
Graduate Seminar – Movement Ecology (*NREM 5050*; 3 cr.): Fall (2024)
StudyUSA to the US Virgin Islands (*GLOBE 4960B*; 2 cr.): Winter (2025, 2026)

University of Minnesota

Department of Fisheries, Wildlife and Conservation Biology

Migration of North American Birds (*FW 8200*; 1 cr.): Spring 2022

University of Toledo

Department of Environmental Sciences

Biodiversity (*EEES 2160*, 3 cr.): Spring 2017, Teaching Assistant
Average student evaluation score: 4.8/5.0

Guest Lab Instructor

Harvard University

The Evolutionary Transition from Dinosaurs to Birds: Fossils, genomes, and behavior.
Harvard Freshman (*Seminar 21R*): Spring 2023. Dr. Scott Edwards, instructor.

Invited Lecturer

University of Toledo

Conservation Biology, Spring 2018.

Workshops Organized

Geolocator Analysis Workshop

U Toledo, Fall 2018.

- Organized and led a 3-day workshop for scientists with light-level geolocator data.
- Provided specific instruction on how to analyze geolocator data using Bayesian methods in R to achieve attendee-defined goals.

Pedagogical Training

Project LEA/RN Workshop 14–15 May 2024. Iowa State University.

Project LEA/RN Discussion Group Aug 2024–present (weekly)

Center for Excellence in Learning and Teaching (CELT) Workshop Critical AI in Education: Empowering Educators to Navigate AI Literacy, Ethics, and Pedagogical Practices. 16 Apr 2025.

SERVICE AND OUTREACH

Institutional Service

Committee Member, Wildlife Curriculum Review Committee, 2025.

Committee Member, NREM Graduate Advisory Committee, 2025–present.

Committee Member, Assistant Professor of Biological Conservation Search Committee (NREM), 2025.

Panelist, Graduate School Workshop Series (Graduate College, University Honors, Academic Success Center), 2025.

Panelist, CALS Honors Student Workshop, (CALS, University Honors), 2025.

Hiring Committee Member for the U Toledo College of Graduate Studies. 2020.

Judge for the “3 Minute Thesis” final competition, U Toledo, 2018; ISU, 2024

Professional Service

Associate Editor for *Ornithology*. 2026–present.

Member of The Wildlife Society’s Publication Awards Committee. 2024–2025.

Chair of The Wildlife Society’s Publication Awards Committee. 2026.

Manuscripts reviewed (n = 38) for *Avian Ecology and Conservation* (5), *Biological Conservation* (4), *BMC Zoology* (2), *Ecography* (1), *Journal of Animal Ecology* (1), *Journal of Biogeography* (2), *Journal of Field Ornithology* (2), *Journal of Forestry* (2), *Journal of Raptor Research* (6), *Journal of Wildlife Management* (1), *Ornithological Applications* (3), *Ornithology* (3), *PeerJ* (1), *Proceedings of the 11th American Woodcock Symposium* (1), *Scientific Reports* (1), *Urban Ecosystems* (1), *Wilson Journal of Ornithology* (4).

USGS Fundamental Science Practices (FSP) Reviewer (n = 3).

Grant reviewer for Biological and Biological Sciences Research Council (BBSRC; UK Research and Innovation); Legislative-Citizen Commission on Minnesota Resources (LCCMR; MN, USA); Iowa Water Center (IWC).

Review Committee Member for the NOGLSTP (AAAS LGBTQIA+ STEM association) Undergraduate Out to Innovate Scholarship. 2018

Advanced geolocator and transmitter attachment training for >10 scientists starting new projects involving tracking of small songbirds with geolocators or radio-transmitters as mandated by the USGS Bird Banding Laboratory.

Fostering Community

Birding Trip Co-Leader for STEM Scholars and ISU SACNAS Chapter, 2025, 2026.

Co-creator and organizer Graduate Dean’s Fellows and Scholars University of Toledo Diversity and Inclusion Virtual Roundtables. 2021–2021.

Member of U Toledo College of Natural Sciences and Mathematics Diversity & Inclusion Committee (including helping develop the first Diversity and Inclusion Strategic Plan for the college). 2018–2021.

Member of the U Toledo LGBTQIA+ Advisory Board, liaison to NW Ohio LGBT Business Coalition. 2018–2021.

Wildlife Science Instructor for White Earth Academy of Math and Science, Gaawaabaabiganikaag (White Earth Indian Reservation). 2013.

Outreach

Podcast Guest for “Ok, But...Birds” podcast with Dr. Scott Taylor (CU Boulder). 2026.
[Episode 22: Okay, but can birds predict the weather?](#)

Volunteer Bird Banding Demonstrations for:

Iowa State AgDiscovery/Science Bound Program, Colo, IA, 2026.

Iowa State University Birding Club Student Organization, Ames, IA, 2026.

Iowa State Science Bound Program, Maxwell, IA, 2025.

River and Lakes Fair, Long Lake Conservation Center, Palisade, MN, 2025.

Rice Lake National Wildlife Refuge Family Fun Day, McGregor, MN, 2012–2019.

Matagorda County grade-school students, Matagorda, TX, 2013.

Local St. Lucian children, Praslin, Saint Lucia, 2013.

Penn State University – Schuylkill Haven (PA) Ecology students, general public, 2012.

Invited Guest Speaker Metropolitan Montessori School (3rd grade), New York, NY.

Fall 2016, Fall 2017; J.J. Hill Montessori Magnet School (3rd and 4th grade), St. Paul, MN. Fall 2019.

Volunteering

Field Assistant for Silas Fischer, M.S., University of Toledo, Toledo, Ohio. Captured and attached light-level geolocators and pin-point GPS tracking devices to Gray Vireos, Ash-throated Flycatchers, and Scott’s Orioles in New Mexico. 2017–2022.

Field Assistant for R. Kyle Pagel, M.S., University of Toledo, Toledo, Ohio. Captured and attached pin-point GPS tracking devices to Red-headed Woodpeckers in Toledo, Ohio. Assisted with nest monitoring, fledgling tracking, and bird banding. 2017.

Field Assistant for Tom Cooper, Ph.D., USFWS, Bloomington, Minnesota. Trapped and attached GPS-satellite transmitters to American Woodcock. 2016.

Field Assistant for Nina Hill M.S., University of Minnesota, St. Paul, Minnesota. Conducted vegetation surveys in wetlands in northwestern Minnesota as part of a secretive marsh bird study. 2015.

Field Assistant for David Fronczak M.S., USFWS, Bloomington, Minnesota. Conducted Sandhill Crane productivity surveys at stopover sites in Indiana. 2014.

Field Assistant for David Wolfson M.S., University of Minnesota, St. Paul, Minnesota. Surveyed wetlands for presence of breeding Sandhill Cranes in northern, and north-western Minnesota. 2014.

Field Assistant for Jeanine Refsnider, Ph.D., University of Toledo, Toledo, Ohio. Ecology of Phrynosoma lizards across an altitudinal gradient in Utah. 2013.

Game Check Attendant for Wyoming Department of Game and Fish. 2010.

Professional Memberships

American Ornithological Society (Elective Member since 2021)

Association of Field Ornithologists

Raptor Research Foundation

Wilson Ornithological Society

The Wildlife Society