

Jared D. Wolfe

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Current Position

Assistant Professor, Michigan Technological University
College of Forest Resources and Environmental Science

Previous Position

Research Faculty, Humboldt State University
Wildlife Department

Wildlife Ecologist, USDA Forest Service
Pacific Southwest Research Station

Education

2010 – 2014	PhD, Louisiana State University, Advisor: Dr. Phillip C. Stouffer
2008 – 2010	MSc, Humboldt State University, Advisor: Dr. Matthew D. Johnson
2000 – 2006	BSc, Humboldt State University, Advisor: Dr. Matthew D. Johnson

Current Research

To identify those species and communities in need of conservation action, I study the response of temperate and tropical forest-dwelling wildlife to environmental change through experimentation and long-term monitoring. In addition to applied wildlife conservation and management, I study bird molt, an understudied yet critical phase of the avian lifecycle.

Summary

- 74 publications to date in peer-reviewed journals and books
- Steep career trajectory as evidenced by current citations (1,989) and h-index (24).
- Awarded \$1,327,675 as PI, \$2,503,017 as a co-PI, \$480,000 as a Sponsoring Scientist, with \$322,949 pending decision.
- Scientific advisor to conservation, and academic organizations.
- Diverse expertise in biodiversity conservation, ornithology, habitat management, and demographic modeling.
- Highly effective educator with average university student evaluations of 4.5/5.0.

Teaching Experience

In addition to formal teaching experience listed below, I regularly teach bird banding, wildlife techniques, and statistical analysis courses in the USA, Latin America, and Africa.

2018 – current; Michigan Technological University

- Wildlife Habitat (evaluation available [here](#))
- Human Dimensions of Wildlife Conservation (2022; evaluation available [here](#))
- Wildlife Research Techniques (2020-2022; evaluation available [here](#))
- Ornithology (Spring 2019, 2023; evaluation available [here](#))
- Conservation Biology (Spring 2018; evaluation available [here](#))
- Field Ornithology (Summer 2019; evaluation [here](#))
- Restoration Ecology (Spring 2020-2022; *guest lecture*)

2013 – current; Bird Banding and Molt Analysis Course

- Seven courses in Brazil since 2013

2016 – 2018; Humboldt State University

- Management of Upland Habitats (evaluation available [here](#))
- Wildlife Techniques (evaluation available [here](#))
- Advanced Ornithology: molts and plumages (evaluation available [here](#))

Mentoring Experience

2024 – current	Carl Greene, PhD student (co-advisor)
2024 – current	Elisa Resendiz, PhD student
2024 – current	Tanner Barnes, PhD student (co-advisor)
2024 – current	Garrett Kucharski, MSc student (co-advisor)
2023 – current	Jaqueline Suits, MSc student (co-advisor)
2023 – current	Katie Brower, MSc student (co-advisor)
2020 – current	Tiffany DeGroot, PhD student (co-advisor)
2018 – current	Samuel Herve, PhD (committee member)
2022 – 2024	Jenna Brewer, MSc student (co-advisor)
2020 – 2022	Maria Ferrer, MSc student (co-advisor)
2020 – 2022	Seth Finkel, MSc (co-advisor)
2018 – 2022	Samuel Lopes Oliveira, PhD (co-advisor)
2018 – 2021	Breanna Gusick, MSc (advisor)
2019 – 2020	Tony Lammers, MSc (advisor)
2018 – 2020	Tori Engler, undergraduate (independent research project)
2018 – 2020	Lauren Cohen, undergraduate (independent research project)
2015 – 2021	Silvestre Esteban, undergraduate intern (Equatorial Guinea)
2019 – 2019	Douglas Tyran, MSc (committee member)
2018 – 2018	Jarrod Amundson, MSc (committee member)
2016 – 2018	Andrew Wiegardt, MSc (advisor)
2016 – 2018	Nora Papian, MSc (committee member)

2016 – 2018 Katelyn Raby, MSc (committee member)

Synergistic Activities

2023 – current **Graduate Studies Committee Chair.** Michigan Technological University.

2022 – current **Leadership Team.** Midwest Migration Network. <https://midwestmigrationnetwork.org/>

2016 – current **Elected Member.** American Ornithological Society (AOS)

2014 – current **Research Associate.** Klamath Bird Observatory. www.klamathbird.org

2013 – current **Co-founder and Principal Investigator.** Biodiversity Initiative. Conservation science and capacity building in Equatorial Guinea, central Africa. www.biodiversityinitiative.org

2010 – current **Co-founder and Scientific Advisor.** Louisiana Bird Observatory (LABO). LABO is a full lifecycle bird monitoring effort operating multiple sites throughout Louisiana. www.braudubon.org/lab0.

2012 – current **Board Member.** North American Banding Council. <http://www.nabanding.net/>

2020 – 2022 **Board Member.** Midwest Migration Network. <https://midwestmigrationnetwork.org/>

2016 – 2023 **Research Associate.** Wildlife Department, Humboldt State University. www2.humboldt.edu/wildlife/

2019 – 2021 **Board Member.** Michigan Chapter of The Wildlife Society.

2018 – 2022 **Curriculum Committee Chair.** Michigan Technological University.

2009 – 2022 **Scientific Advisor.** Costa Rica Bird Observatories. National banding schema, national bird-band dissemination and umbrella organization of banding initiatives in Costa Rica. www.costaricabird.org.

2015 – 2017 **President.** Western Bird Banding Association. www.westernbirdbanding.org/

Prior Research and Field Experience

2014 – 2015 Postdoctoral Fellow in Community Ecology, Klamath Bird Observatory

2010 – 2014 McIntire-Stennis Fellow, PhD research Louisiana State University

2012 Supervisory Biologist, Kenya coffee farm project

2008 – 2010 Supervisory Biologist, USDA Forest Service

2006 – 2007 Field Biologist, Coffee farms and Golden-winged Warblers in Costa Rica

2006 – 2007 Field Supervisor, Point Blue Conservation Science

2006 Field Biologist, Farallon Islands, California

2005 -2006 Field Biologist, Manakin behavior project, Tiputini, Ecuador

2005 Field Biologist, Wildlife Conservation Society, North Slope, Alaska

2004 Supervisory Biologist, Prince of Wales Island, Southeast Alaska

2003 – 2004 Field Biologist, altitudinal migration project, Costa Rica

2003 Field Biologist, mammal trapping in Sierra Nevada

2003 Field Biologist, nest searching in Sierra Nevada

2001 – 2003 Wildlife Consultant, LBJ Enterprises
1999 – 2002 Field Biologist, mammal trapping at Sutter Buttes
1999 – 2002 Field Biologist, insect collecting in Southwestern USA
1998 – 2000 Biological Technician, California EPA

Books and Chapters

Johnson, E. I. and **J. D. Wolfe**. 2017. Molt in Neotropical Birds: Life History and Aging Criteria. Studies in Avian Biology, CRC Press, Taylor and Francis Group, Boca Raton, Florida.

See [website](#), and Peter Pyle's [book review](#).

Wolfe, J. D. 2022. Buff-throated Foliage-gleaner (*Automolus ochrolaemus*), in: *Essays on Panama's Lesser-Known Birds*, Editors: J. Whitelaw, J. W. Fitzpatrick, J. Brawn, and H. Pollock. Cornell University Press, NY.

Wolfe, J. D. 2022. Eye-ringed Flatbill (*Rhynchocyclus brevirostris*), in: *Essays on Panama's Lesser-Known Birds*, Editors: J. Whitelaw, J. W. Fitzpatrick, J. Brawn, and H. Pollock. Cornell University Press, NY.

See [website](#).

Peer Reviewed Publications (* indicates protégé author)

72. Wolfe, J. D., D. A. Luther, V. Jirinec, J. Collings, E. I. Johnson, R.O. Bierregaard Jr., and P.C Stouffer. 2024. Climate change aggravates bird mortality in pristine tropical forests. *Science Advances* *in 2nd review*.
71. 2024. Habitat use of Amazonian birds varies by age and foraging guild along a disturbance gradient. *Proceedings of the Royal Society B*. 291(2023), p.20240866.
70. Luther, D., E. I. Johnson, **J. D. Wolfe**, P. C. Stouffer, J. Batchelor, C. Tarwater, 2024. Habitat use of Amazonian birds varies by age and foraging guild along a disturbance gradient. *Proceedings of the Royal Society B*. 291(2023), p.20240866.
69. Carvalho, R.L., et al. Consortia: Carvalho, R.L., [...] **J. D. Wolfe** [...], and 504 other authors. 2024. Pervasive gaps in Amazonian ecological research. *Current Biology* 33: 3495-3504.
68. **Wolfe, J. D.** 2024. Book Review: Identification Guide to North American Birds, Part I, 2nd edition, by Peter Pyle. *Ornithology*. ukad050, <https://doi.org/10.1093/ornithology/ukad050>
67. DeGroot, T. L. *, **J. D. Wolfe**, L. L. Powell, F. Esono, A. Ebana, C. Barrientos, L. Torrent, and K. E. Brzeski. 2023. Gorillas, Chimpanzees and Forest

- Elephants Thrive in the Rio Campo Nature Reserve. *Berggorilla*, 67, 2/2023.
66. Long, L. L., F. K. Lake, J. L. Stephens, J. D. Alexander, and **J. D. Wolfe**. 2023. Using culturally significant birds to guide the timing of prescribed burns in the Klamath-Siskiyou bioregion. *Ecosphere* <https://doi.org/10.1002/ecs2.4541>.
- See USDA Forest Service [press release](#), and coverage in the [Klamath Fall News](#).
65. Tsetagho, G., [...] **J. D. Wolfe**, [...], and 19 other authors. 2023. Modeling the potential distribution of the threatened Grey-necked Picathartes (*Picathartes oreas*) across its entire range. *Bird Conservation International*, 33, E65. doi:10.1017/S0959270923000175.
64. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA, C. Barrientos, L. Torrent, and K. E. Brzeski. 2023. Human impacts on mammal communities in Rio Campo Nature Reserve, Equatorial Guinea. *African Journal of Ecology*, 00, 1–14. <https://doi.org/10.1111/aje.13108>
63. Oliveira, S. L.*, D. J. Flaspohler, and **J. D. Wolfe**. 2022. Winter territoriality of the American Redstart in oil palm plantations. *Diversity* 14, 1079. <https://doi.org/10.3390/d14121079>.
62. Pyle, P., M. Gahbauer, E. I. Johnson, T. B. Ryder, and **J. D. Wolfe**. 2022. Application of a global age-coding system (“WRP”), based on molts and plumages, for use in demographic and other studies of birds. *Ornithology* 139: ukab063.
61. Powell, L. L., C. Rutt, K. Mokross, E. I. Johnson, **J. D. Wolfe** and P. C. Stouffer. 2022. Sociality and morphology differentiate niches of 13 sympatric Amazonian woodcreepers (Dendrocolaptinae). *Ornithology* 139: ukac002.
60. Tobias, J. A., [...] **J. D. Wolfe**, [...], and 104 other authors. 2022. AVONET: morphological, ecological and geographical data for all birds. *Ecology Letters* 25(3), pp.581-597.
59. Oliveira, S. L.*, D. J. Flaspohler, J. L. Knowlton, and **J. D. Wolfe**. 2022. Do oil palm plantations provide quality habitat for migratory birds? A case study from Mexico. *Ecological Indicators* 139: 108964.
58. Luther, D. A., W. J. Cooper, V. Jirinec, **J. D. Wolfe**, C. L. Rutt, R. O. Bierregaard Jr, T. E. Lovejoy and P. C. Stouffer. 2022. Long-term changes in avian biomass and functional diversity within disturbed and undisturbed Amazonian rainforest. *Proceedings of the Royal Society B*, 289:20221123.
57. Jarrett, C.*, T. B. Smith, R. Claire, D. Ferreira, M. Tchoumbou Malange, N. F. Elikwo, **J. D. Wolfe**, K. Brzeski, J. Cooper, R. Hanna, C. Masso, K. Fiaboe and L. Powell. 2022. Bird communities in African cocoa are diverse but lack specialized forest insectivores. *Journal of Applied Ecology*. <https://doi.org/10.1111/1365-2664.13864>

56. Jirinec, V., R. C. Burner, R. O. Bierregaard Jr., A. Hernández-Palma, E. I. Johnson, T. E. Lovejoy, L. L. Powell, C. L. Rutt, **J. D. Wolfe**, and P. C. Stouffer. 2021. Morphological consequences of climate change for birds in “intact” Amazonia. *Science Advances* 7(46), eabk1743.
55. Pyle, P., M. Gahbauer, E. J. Johnson, T. B. Johnson, and **J. D. Wolfe**. 2021. Application of a global coding system (“WRP”) to study avian demography based on molt and plumage cycles of birds. *Ornithology* 139:1-12.
54. Miller, S. J.*, J. Wiethase*, A. Etingue*, E. Franklin, M. F. Mene, **J. D. Wolfe**, M. K. Gonder and L. Powell. 2021. The impact of new road construction on a pristine Afrotropical mountain: A case study using avian communities on Bioko Island, Equatorial Guinea. *Biotropica*. <https://doi.org/10.1111/btp.13014>.
53. Terrill, R. S., Y. Fong, **J. D. Wolfe**, and A. J. Zellmer. 2021. Threshold models improve estimates of molt parameters in datasets with small sample sizes. *Ornithology* 138:p.ukab038
52. Oliveira, S. L.*, D. J. Flaspohler, J. L. Knowlton, C. R. Webster, and **J. D. Wolfe**. 2021. Migratory bird community structure in oil palm (*Elaeis guineensis*) plantations and native forest fragments in southern Mexico. *Journal of Field Ornithology* 92:1–17.
51. Stouffer, P. C., V. Jirinec*, C. L. Rutt*, R. O. Bierregaard, Jr., A. Hernández-Palma, E. I. Johnson, S. R. Midway, L. L. Powell, **J. D. Wolfe**, and T. E. Lovejoy. 2021. Long-term bird community change in undisturbed Amazonian rainforest: Pervasive abundance declines and a shifting baseline. *Ecology Letters* 24: 186–195.
- See American Ornithological Society [blogpost](#), Science Daily [press release](#), and associated news coverage at [Mongabay](#), [Earth](#), [Guardian](#), [NSF](#), [phys.org](#), and [BBC](#).
50. Ferreira, D. F., L. Torrent, A. J. Welch, **J. D. Wolfe**, K. E. Brzeski, and L. L. Powell. 2020. First record of a piebald Bates’s Slit-faced Bat, *Nycteris arge* (Chiroptera: Nycteridae) from Equatorial Guinea, Central Africa. *Journal of Bat Research and Conservation*, 13:88-92.
49. Albert, S., **J. D. Wolfe**, J. Kellerman, T. Sherry, and B. Stutchbury. 2020. Habitat ecology of Nearctic–Neotropical migratory landbirds on the nonbreeding grounds. *The Condor: Ornithological Advances* 122:4.
48. **Wolfe, J. D.**, R. S. Terrill, E. I. Johnson, L. L. Powell and T. B. Ryder. 2021. Neotropical bird molt: introduction to variation and adaptation. *Ornithology*. 138:1 <https://doi.org/10.1093/ornithology/ukaa073>
47. Terrill, R. S., G. F. Seeholzer, and **J. D. Wolfe**. 2020. Evolution of breeding plumages in birds: A multiple-step pathway for seasonal dichromatism in New World Warblers (Aves: Parulidae). *Ecology and Evolution* 10:9223–9239.

46. Figueira, L.*, P. Martins*, C. J. Ralph, J. L. Stephens, J. D. Alexander and **J. D., Wolfe**. 2020. Effects of breeding and molt activity on songbird site fidelity. *Auk: Ornithological Advances* 137:1-15.
45. Luther, D. A., W. J. Cooper, **J. D. Wolfe**, P. C. Stouffer, R. O. Bierregaard, Jr. and T. E. Lovejoy. 2020. Tropical forest fragmentation and isolation: Is community decay a random process? *Global Ecology and Conservation* e01168s.
44. **Wolfe, J. D.**, P. C. Stouffer, R. O. Bierregaard, Jr., D. Luther and T. E. Lovejoy. 2020. Effects of a regenerating matrix on the survival of birds in tropical forest fragments. *Avian Research* 11:1-9
43. **Wolfe, J. D.**, and P. Elizondo. 2020. Integrating bird conservation into ecosystem service payments and carbon offsets: a case study from Costa Rica. *Conservation Science and practice* doi.org/10.1111/csp2.173.
42. Long, L., and **J. D. Wolfe**. 2019. A Review the Science Directly Related to the Effects of Barred Owls (*Strix varia*) on Spotted Owls (*Strix occidentalis*). *Journal of Wildlife Management* 83:1281-1296.
41. **Wolfe, J. D.**, J. D. Alexander, J. L. Stephens, and C. J. Ralph. 2019. A novel approach to understanding bird communities using informed diversity estimates at local and regional scales in northern California and southern Oregon. *Ecology and Evolution* 9:4431–4442.
40. Rutt, C.*, S. Midway, V. Jirinec*, **J. D. Wolfe**, and P. C. Stouffer. 2018. Examining the microclimate hypothesis in Amazonian birds: Indirect tests of the ‘visual constraints’ mechanism. *Oikos* 128:798-810.
39. Ralph, C. J., and **J. D. Wolfe**. 2018. Factors affecting the distribution and abundance of autumn vagrant warblers in northwestern California and southern Oregon. *PeerJ*. 6: e5881
38. **Wolfe, J. D.**, C. J. Ralph, and A. K. Wiegardt*. 2017. Bottom-up processes influence the demography and life-cycle phenology of Hawaiian bird communities. *Ecology* 98:2885-2899.
- See USFS [press release](#), Hawaii Tribune Herald [news article](#), Wildlife Society [news article](#).
37. Wiegardt, K. A.*, **J. D. Wolfe**, C. J. Ralph, J. L. Stephens and J. D. Alexander. 2017. Elevational movements of songbirds after the breeding season. *Journal of Ecology and Evolution* 7:7750-7764.
36. West, C., **J. D. Wolfe**, A. K. Wiegardt* and T. Williams-Claussen. 2017. Feasibility of California Condor recovery in northern California: assessing spatial and temporal patterns of contaminants using Surrogate species. *Condor* 119: 720-731.

See Eureka Times Standard [news article](#), American Ornithological Society [press release](#).

35. Cooper, J., O. Johnson, T. Davis, R. Terrill, K. Brzeski., **J. D. Wolfe**, A. Etingüe* and L. Powell. 2017. Notes on the distribution of the avifauna of Bioko Island, Equatorial Guinea, with one new country record. *Malimbus* 39:1-15.
 34. Wiegardt, K. A.*, D. C. Barton and **J. D. Wolfe**. 2017. Upslope molt migration of the Wilson's Warbler in the Klamath-Siskiyou Bioregion. *Journal of Ornithology* 88:47-52.
 33. Brzeski, K., **J. D. Wolfe**., J. Cooper and L. Powell. 2016. Camera sighting of Congo Clawless otter in the midst of rapid development on mainland Equatorial Guinea. *IUCN Otter Specialist Group Bulletin* 33:96-101.
 32. Tempel, D., J. Keane, R. J. Gutiérrez, **J. D. Wolfe**, et al. 2016. Meta-analysis of California Spotted Owl (*Strix occidentalis occidentalis*) territory occupancy in the Sierra Nevada: habitat associations and their implications for forest management. *Condor* 118:747-765.
 31. Cooper, J. C., L. L. Powell and **J. D. Wolfe**. 2016. Notes on the status and distribution of the avifauna of Equatorial Guinea, including five new country records. *African Bird Club Bulletin* 23:152-163.
 30. Powell, L. L., **J. D. Wolfe**, E. I. Johnson and P. C. Stouffer. 2016. Forest recovery in post-pasture Amazonia: Testing a conceptual model of space use by insectivorous understory birds. *Biological Conservation* 94: 22-30.
 29. **Wolfe, J. D.** et al. 2015. Island vs. countryside biogeography: an examination of how Amazonian birds respond to forest clearing and fragmentation. *Ecosphere* 6.12: 1-14.
 28. Powell, L. L., G. Z. Zurita, **J. D. Wolfe**, E. I. Johnson and P. C. Stouffer. 2015. Changes in habitat use at rainforest edges through succession: A case study of understory birds in the Brazilian Amazon. *Biotropica* 47:723-732.
 27. **Wolfe, J. D.** and E. I. Johnson. 2015. Geolocator reveals migratory and winter movements of a Prothonotary Warbler. *Journal of Field Ornithology* 86:238–243.
- See Nat'l Audubon [press release](#), accompanying Audubon [Magazine article](#), USDA Forest Service [press release](#), Wildlife Professional [article](#), Mongabay [article](#).
26. Powell, L. P., **J. D. Wolfe**, E. I. Johnson, J. E. Hines, J. D. Nichols and P. C. Stouffer. 2015. Heterogeneous movement of insectivorous Amazonian birds through primary and secondary forest: A case study using multistate models with radiotelemetry data. *Biological Conservation* 188:100-108.

25. **Wolfe, J. D.**, C. J. Ralph and P Elizondo. 2015. Demographic response of a tropical bird to the El Niño Southern Oscillation in mature and young forest in Costa Rica. *Oecologia* 78:715-721. *Selected cover article*

See USDA Forest Service [press release](#), Klamath Bird Observatory Blogpost and [Press Release](#).
24. Mokross, K. Ryder, T. B., Côrtes, M. C., **Wolfe, J. D.** and P. C. Stouffer. 2014. Decay of interspecific avian flock networks along a disturbance gradient in Amazonia. *Proceedings of the Royal Society B* 281:20132599.
23. **Wolfe, J. D.** and P. C. Stouffer. 2014. Variation in tropical bird survival across longitude and guilds: a case study from the Amazon. *Oikos* 123:964-967.
22. **Wolfe, J. D.** and E. I. Johnson. 2014. Searching for consensus in molt terminology 11 years Howell et al.'s "first basic problem." *Auk* 131:371-377
21. Johnson, E. I. and **J. D. Wolfe**. 2014. Thamnophilidae (antbird) molt strategies in a central Amazonian rainforest. *Wilson Journal of Ornithology* 126:451-462.
20. Diniz, F. C. , **J. D. Wolfe**, M. Anciães and P. C. Stouffer. 2014. New record of Connecticut Warbler (*Oporornis agilis*) in Central Amazonian Brazil. *Cotinga* 36:127-128.
19. **Wolfe, J. D.**, Johnson M.D. and C.J. Ralph. 2014. Do birds select habitat or food resources? Nearctic-Neotropic Migrants in Northeastern Costa Rica. *PLOS ONE* 9: e86221.
18. **Wolfe, J. D.**, Johnson M.D. and C.J. Ralph. 2013. Higher mass increases annual survival of wintering Prothonotary Warblers (*Protonotaria citrea*) in Northeastern Costa Rica. *Condor* 115:163-167.
17. **Wolfe, J. D.** et al. 2013. Annual survival of birds captured in a habitat island bordered by the urban matrix of Baton Rouge, Louisiana. *Southeastern Naturalist* 12: 492-499.
16. Johnson, E. I., D. Mooney and **J. D. Wolfe**. 2013. An eccentric preformative molt in Eastern Towhees. *North American Bird Bander* 38:25-27.
15. **Wolfe, J. D.** et al. 2012. Brown Thrasher (*toxostoma rufum*) with bill deformity captured at Bluebonnet Swamp Nature Center, Baton Rouge, Louisiana. *Journal of Louisiana Ornithology* 9:27-29
14. Johnson, E. I., **J. D. Wolfe**, and J. E. Hartgerink. 2012. Barred Owl consumes Sharp-Shinned hawk. *Journal of Louisiana Ornithology* 88: 21.

13. **Wolfe, J. D.** and P. Pyle. 2012. Progress in our understanding of molt patterns in Central American and Caribbean Landbirds. *Ornitologia Neotropical* 23:169-176.
12. **Wolfe, J. D.**, Ryder, T. B., Pyle, P. and E. I. Johnson. 2012. Using molt and plumage cycles to age tropical birds: updates and recent advances. *Ornitologia Neotropical* 23:153-158.
11. **Wolfe, J. D.** and P. Pyle. 2011. First evidence for eccentric prealternate molt in the Indigo Bunting (*passerina cyanea*): possible implications for adaptive molt strategies. *Western Birds* 42:33-37
10. Johnson, E. I., **J. D. Wolfe**, T. B. Ryder and P. Pyle. 2011. Modifications to a molt-based ageing system proposed by Wolfe et al. (2010). 2011. *Journal of Field Ornithology*. 82:422–424.
9. Rowe, L. M. and **J. D. Wolfe**. 2010. Using alulas and the carpal covert to assess age in some formative and first alternative plumaged western passerines. *North American Bird Bander* 35:1-5.
8. **Wolfe, J. D.**, Ryder, T. B. and P. Pyle. 2010. Using molt cycles to categorize the age of tropical birds: an integrative new system. *Journal of Field Ornithology*. 81:186–194.

See awarded [best student paper](#) from Association of Field Ornithologists.

7. **Wolfe, J. D.** 2010. Diet of some spring migrant landbirds on the Caribbean coast of Costa Rica. *Journal of Caribbean Ornithology*. 23:130-133.
6. **Wolfe, J. D.** and C.J. Ralph. 2009. Correlations between the El Niño southern oscillation and Nearctic-neotropical migrant condition in Central America. *Auk*. 126:809–814.
5. Ryder, T. B. and **J. D. Wolfe**. 2009. The current state of knowledge on molt and plumage sequences in selected tropical families: a review. *Ornithologia Neotropical*. 20: 1–18.
4. **Wolfe, J. D.**, P. Pyle and C.J. Ralph. 2009. Breeding seasons, molt patterns, and age and sex criteria for selected Northeastern Costa Rican resident landbirds. *Wilson Journal of Ornithology*. 121:556–567.
3. **Wolfe, J. D.**, Chandler, R. B. and D. I. King. 2009. Molt patterns, age and sex criteria for selected highland Costa Rican landbirds. *Ornitologia Neotropical*. 22:32-35
2. Elizondo, P., C. J. Ralph, **J. D. Wolfe**, y A.O. Ramírez. 2009. Está la proporción de sexos de una población relacionada con el decrecimiento de la capturabilidad? *Mesoamericana* 13: 101.

1. **Wolfe, J. D.** and C. J. Ralph. 2008. Catorce años de anillamiento de aves en Costa Rica: una visión general del Proyecto Integral de Monitoreo de Aves de Tortuguero. Mesoamericana 12:171.

Presented Papers, Posters, Keynotes, Plenaries, Invited Lectures, and Podcasts (* indicates protégé author)

111. J. Brewer*, K. E. Brzeski, E. Johnson, D. Baldassare, **J. D. Wolfe**. March 2024. Latitudinal gradient in climatic stress of the Northern Cardinal, a species undergoing northward range expansion. Ecosystem Science Center Research Symposium. Poster Presentation.
110. **Wolfe, J. D.** Categorización de la edad de las aves y WRP. 2024. *Invited lecture for* Topics Avanzados en el Análisis de Muda y el Ciclo de Vida de Aves Silvestres.
109. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA, and K. E. Brzeski. 2024. Uncovering Cryptic Mammal Diversity in a Tropical Forest Using Noninvasive Survey Methods. Graduate Research Colloquium, MTU, Poster.
108. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA, and K. E. Brzeski. 2024. Uncovering Cryptic Mammal Diversity in a Tropical Forest Using Noninvasive Survey Methods. Ecosystem Science Center Student Research Forum, Poster. Merit Award.
107. **Wolfe, J. D.** 2024. "Locked in my Office" podcast, with Dr. Shane Oberloier (MTU Computer and Electrical Engineering). Invited guest and invited cohost. <https://www.youtube.com/@LIMOatMTU>
106. Oliveira, S. L. *, D. J. Flashpoler, and J. D. Wolfe. 2023. The role of forest fragments in the conservation of Wood Thrush (*Hylocichla mustelina*) in Costa Rica. II Ornithological Congress of the Americas, Gramado, Brazil. (Poster)
105. **Wolfe, J. D.** 2023. Biodiversity in Western Forests Workshop. National Science Foundation sponsored workshop. Invited participant.
104. J. Brewer*, K. E. Brzeski, E. Johnson, D. Baldassare, **J. D. Wolfe**. March 2023. Latitudinal gradient in climatic stress of the Northern Cardinal, a species undergoing northward range expansion. Ecosystem Science Center Research Symposium. American Ornithological Society Conference. Oral Presentation.
103. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA, and K. E. Brzeski. 2023. Cameras or carrion flies? A comparison of camera trapping and DNA metabarcoding for the detection of mammal diversity in a tropical forest. The Wildlife Society Annual Conference, Oral Presentation.
102. **Wolfe, J. D.** 2023. Updates to the Wolfe-Ryder-Pyle (WRP) system of universal age

- classification. Invited Keynote for the International Bird Observatory Conference – *did not accept invitation.*
101. **Wolfe, J. D.** 2023. Explorations in avian molt: how feather replacement shaped songbird coloration and behavior. Invited Keynote for the International Ornithologists' Union Annual Conference – *did not accept invitation.*
 100. Engler T. M.*, **J. D. Wolfe**, Y. L. Dickinson, and A. J. Schrank. 2022. Impacts of Silvicultural Treatments on *Plethodon cinereus* Relative Abundance in a Michigan Northern Hardwood Forest. NEPARC Conference. West Virginia.
 99. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, C. Barrientos, L. Torrent, and K. E. Brzeski. 2022. Human-Mediated Impacts on Mammals in Rio Campo Nature Reserve, Equatorial Guinea. The Wildlife Society Annual Conference, Poster.
 98. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA C. Barrientos, L. Torrent, and K. E. Brzeski. 2022. Where are the mammals? Assessing diversity, distribution, and drivers of mammal presence in a central African protected area. Michigan Technological University Graduate Research Colloquium, Oral Presentation.
 97. **Wolfe, J. D.** 2022. Virtual roundtable on the declines of avian insectivores inhabiting tropical rainforest. Invited participant, TROPiBIO, CIBIO/BIOPOLIS.
 96. **Wolfe, J. D.** 2022. Effects of climate on avian survival in the central Amazon. Invited symposium speaker, American Ornithological Society.
 95. Brewer, J.*, K. E. Brzeski, and **J. D. Wolfe**. October 2022. Latitudinal gradient in climatic stress of the Northern Cardinal, a species undergoing northward range expansion. National Wildlife Society Conference. Poster Presentation.
 94. Brewer, J.*, K. E. Brzeski, and **J. D. Wolfe**. March 2022. Northern Cardinal's range expansion as a result of supplementary feeding. Ecosystem Science Center Research Symposium. Poster Presentation.
 93. Brewer, J.*, K. E. Brzeski, and **J. D. Wolfe**. November 2021. Northern Cardinal's range expansion as a result of supplementary feeding. National Wildlife Society Conference. Poster Presentation.
 92. Oliveira, S. L. *, D. J. Flashpolder, **J. D. Wolfe**, and L. K. Jessie 2021. Migratory bird use of oil palm (*Elaeis guineensis*) plantations in Tabasco, Mexico. Western Bird Banding Association Annual Meeting.
 91. DeGroot, T. L.*, **J. D. Wolfe**, L. L. Powell, F. MBA EYONO, A. EBANA C. Barrientos, L. Torrent, and K. E. Brzeski. 2021. Rio Campo's Mammals: An Assessment of Mammalian Diversity and Distribution in a Central African Protected Area. The Wildlife Society Annual Conference, Oral Presentation.

90. Engler T. M.*, **J. D. Wolfe**, Y. L. Dickinson, and A. J. Schrank. 2021. Impacts of Silvicultural Treatments on *Plethodon cinereus* Relative Abundance in a Michigan Northern Hardwood Forest. Midwest Fish and Wildlife. Virtual Conference.
89. **Wolfe, J. D.** 2021. Introduction to the WRP, a universal age classification system for birds. Invited Seminar Speaker for Western Bird Banding Association.
88. **Wolfe, J. D.** and E. I. Johnson. 2021. Songbird molt and color evolution: a Husky Bites Podcast. Invited podcast guest, HuskyBites.
87. **Wolfe, J. D.** 2021. Using bird banding and wildlife monitoring to mechanistically understand how climate change diminished biodiversity. Invited keynote for the Western Bird Banding Association Annual Meeting.
86. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe.** 2021. February. Effects of different silvicultural treatments on small mammal diversity in northern hardwoods. Virtual oral presentation at the 81st Midwest Fish and Wildlife Virtual Conference.
85. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe.** 2021. Effects of different silvicultural treatments on small mammal diversity in northern hardwoods. Virtual oral presentation at the 2021 Michigan Chapter of TWS Virtual Annual Meeting.
84. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe.** 2021. Small mammals in northern hardwoods: How differing silviculture methods across Michigan's Upper Peninsula affect diversity. Virtual oral presentation at the annual meeting of The Wildlife Society.
83. **Wolfe, J. D.** 2021. Identifying Drivers of Avian Demographics: Effects of Climate and Forest Structure on Songbird Survival and Breeding Seasonality in Northern California and Southern Oregon. The Wildlife Society National Conference.
82. **Wolfe, J. D.** 2021. Disentangling effects of dissimilar silviculture practices on wildlife communities in northern Michigan. Northern Hardwood Conference.
81. **Wolfe, J. D.** 2020. Disentangling effects of dissimilar silviculture practices on wildlife communities in northern Michigan. Northern Hardwood Conference. *Canceled due to COVID-19.*
80. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe.** 2020. Evaluating the role of different timber harvest practices on structuring small mammal communities in northern Michigan. Oral presentation at the annual conference of the Michigan Chapter of The Wildlife Society, Bellaire, MI. *Canceled due to COVID-19.*
79. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe.** 2020. Evaluating the

- role of different timber harvest practices on structuring small mammal communities in northern Michigan. Oral presentation at the annual Graduate Research Colloquium, Houghton, MI. *Canceled due to COVID-19.*
78. **Wolfe, J. D.** 2020. Response of small mammal and amphibian communities to dissimilar timber harvest practices in a northern hardwood forest. Michigan Chapter of The Wildlife Society. *Canceled due to COVID-19.*
 77. Oliveira, S. L. *, D. J. Flashpolder, **J. D. Wolfe**, and L. K. Jessie. 2020. Migratory bird use of oil palm (*Elaeis guineensis*) plantations in Tabasco, Mexico. Oral presentation at VII North American Ornithological Conference, Puerto Rico.
 76. Oliveira, S. L. *, D. J. Flashpolder, and **J. D. Wolfe**. 2019. Uso de plantaciones de palma de aceite (*Elaeis guineensis*) por aves migratorias en Tabasco, Mexico. Oral presentation at IV Simposio tabasqueño de agroecología. Villahermosa, Mexico.
 75. Gusick, B.*, K. B. Brzeski, Y. Dickinson, Y., and **J. D. Wolfe**. 2019. Effects of different silviculture treatments on small mammal diversity in northern hardwoods. Oral presentation at the annual meeting of The Wildlife Society, Reno, NV.
 74. **Wolfe, J. D.** 2019. Assessing Effects of Climate and Habitat Change on the Breeding Phenology of Songbirds. The Wildlife Society National Conference.
 73. Engler T. M.*, **J. D. Wolfe**, Y. L. Dickinson, and A. J. Schrank. 2019. Impacts of Silvicultural Treatments on *Plethodon cinereus* Relative Abundance in a Michigan Northern Hardwood Forest. The Wildlife Society National Conference. Reno, Nevada.
 72. **Wolfe, J. D.** 2019. Exploration and conservation in the country least known to science: an introduction to Equatorial Guinea. Invited lecture at Department of Biology, Michigan Technological University.
 71. **Wolfe, J. D.** 2019. Explorations in avian molt: how feather replacement shaped songbird bird coloration and behavior. Invited lecture at George Mason University.
 70. **Wolfe, J. D.** 2019. Explorations in avian molt: how feather replacement shaped songbird bird coloration and behavior. Invited lecture at College of Forest Resources and Environmental Science, Michigan Technological University.
 69. **Wolfe, J. D.** and P. Elizondo. 2018. Strategic bird conservation through stakeholder participation in ecosystem service payments and carbon offsets: a case study from Costa Rica. Invited symposium speaker, The Wildlife Society.
 68. **Wolfe, J. D.** 2018. Exploration and conservation in the country least known to science. Invited Keynote Speaker for Alabama Ornithological Society.

67. **Wolfe, J. D.** 2018. Exploration and conservation in the country least known to science. Invited lecture at Ohio State University.
66. **Wolfe, J. D.** 2018. Variation in altitudinal molt migration in western birds. Invited symposium speaker, American Ornithological Society.
65. **Wolfe, J. D.** 2018. Mammal monitoring at Lanphere Dunes. Invited speaker for the USFWS
64. **Wolfe, J. D.** 2017. Wanderers in our backyard – unraveling the mystery of bird migration in the Klamath-Siskiyou Bioregion. Invited speaker for the USDA Forest Service.
63. **Wolfe, J. D.** 2017. Bottom-up wildlife management and conservation: lessons from Hawaii, Africa, and the Americas. Invited speaker at the University of Hawaii at Manoa.
62. **Wolfe, J. D.** 2017. Assessing effects of climate and habitat change on bird populations. Invited speaker at South Dakota State University.
61. **Wolfe, J. D.** 2017. Wildlife ecology through extension and citizen science. Invited speaker at Louisiana State University.
60. **Wolfe, J. D.** 2017. Bottom-up wildlife biology: lessons from Africa and the Americas. Invited speaker at Virginia Commonwealth University.
59. **Wolfe, J. D.** 2017. Tropical Bird Molt: Adaptation to New Ecological Roles. Western Bird Banding Association.
58. **Wolfe, J. D.** 2016. Keynote panel discussion: “Making Ornithological History.” Invited moderator, Western Bird Banding Association.
57. **Wolfe, J. D.**, et al. 2016. Diversity and function of inserted molts in landbirds: a tropical-temperate comparison. Western Bird Banding Association.
56. **Wolfe, J. D.**, et al. 2016. Migration makes for colorful warblers. Invited speaker for Humboldt State University’s Ecoseries.
55. **Wolfe, J. D.**, et al. 2016. Effects of variation in canopy cover, habitat perturbations and climate on California Spotted Owl (*Strix occidentalis occidentalis*) demography. Invited speaker, USDA Forest Service, Washington DC.
54. **Wolfe, J. D.**, et al. 2016. Diversity and function of inserted molts in landbirds: a tropical-temperate comparison. Invited symposium speaker, North American Ornithological Congress.

53. **Wolfe, J. D.**, et al. 2016. Effects of variation in canopy cover, habitat perturbations and climate on California Spotted Owl (*Strix occidentalis occidentalis*) demography. North American Ornithological Congress.
52. **Wolfe, J. D.** 2016 Using long-term bird capture data to identify climate change winners and losers. Early professional mini-symposium talk, North American Ornithological Congress.
51. **Wolfe, J. D.** 2016. Using bird molt to inform the study and conservation of birds. Invited speaker at Universidade Federal Rio Grande do Sul, Porto Alegre, Brazil.
50. **Wolfe, J. D.** 2016. Conserving wildlife in the world's most diverse forests: lessons from the Amazon and Congo. Invited speaker for Humboldt State University's EcoSeries.
49. **Wolfe, J. D.** and P. Stouffer. 2016. Conserving Amazonian birds in-light of pervasive forest destruction. Invited speaker for the Redwood Region Audubon Society.
48. **Wolfe, J. D.**, L. L. Powell, K. E. Elise and J. C. Cooper. 2016. Conservation in the country least known to science: an introduction to Equatorial Guinea Bird Initiative. Invited speaker for the Sequoia Park Zoo Conservation Lecture Series
47. Johnson, E. I., Percy, K. and **J. D. Wolfe**. 2015. Understanding habitat fragments to achieve life cycle conservation in Prothonotary Warblers. Southeast Partners in Flight Annual Meeting in Lafayette, Louisiana.
46. **Wolfe, J. D.** and P. Stouffer. 2015. Effects of forest fragmentation and a regenerating matrix on the behavior, survival and biogeography of birds in the Amazon. Plenary for Young Professional Award, American Ornithologists Union annual meeting.
45. **Wolfe, J. D.** and C. J. Ralph. 2015. Birds from the Bottom-up: Combing Ancillary and Bird Capture Data to Identify Bottom-up Regulatory Processes. Invited speaker at 'Habitat Change and Neotropical Birds: Beyond Patterns' symposium, 10th Neotropical Ornithological Congress, Manaus, Brazil.
44. **Wolfe, J. D.** and P. Stouffer. 2015. Demographic insights from the longest operating bird banding effort in the Amazon: the Biological Dynamics of Forest Fragments Project. Invited speaker at 'Biological Dynamics of Forest Fragmentation Project' symposium, 10th Neotropical Ornithological Congress, Manaus, Brazil.
43. **Wolfe, J. D.** and K. Mokross. 2015. Nets and network theory: using banding data and network theory to measure bird behavior and interactions. Presenter, Western Bird Banding Association annual meeting, Vancouver, Canada.

42. Ralph, C. J. and **J. D. Wolfe**. 2015. Birds from the Bottom-up: Combing Ancillary and Bird Capture Data to Identify Bottom-up Regulatory Processes. Western Bird Banding Association annual meeting, Vancouver, Canada.
41. **Wolfe, J. D.** 2015. From the WBBA archives: myths, legends and gossip. Invited speaker, Western Bird Banding Association annual meeting, Vancouver, Canada.
40. Jackson, A., **J. D. Wolfe**, E. I. Johnson and C. Eagles-Smith. 2015. Blood mercury concentration in songbirds varies considerably throughout the annual cycle. Society of Environmental Toxicology and Chemistry annual meeting.
39. **Wolfe, J. D.**, J. Alexander and J. Stephens. 2015. Using informed diversity estimates to assess differences in bird communities at local and regional scales in the Klamath-Siskiyou Bioregion. Presenter, Oregon section of the Wildlife Society annual meeting.
38. **Wolfe, J. D.**, J. Alexander and J. Stephens. 2015 Using informed diversity estimates to assess differences in bird communities at local and regional scales in the Klamath-Siskiyou Bioregion. Presenter, North Coast section of the Wildlife Society annual meeting.
37. Powell, L. L., **J. D. Wolfe** and J. C. Cooper. 2015. Do primary forest parks in Central Africa protect the rainforest bird communities better than unprotected secondary forests? An exploration, education, and ecology project from the Equatorial Guinea Bird Initiative. 27th International Congress for Conservation Biology, Montpellier, France.
36. **Wolfe, J. D.** 2015. Bird science in the country least known to science: banding adventures in Equatorial Guinea. Invited speaker, Baton Rouge Audubon Society.
35. **Wolfe, J. D.** 2015. Application of the W-R-P system to migrant and resident birds in Jamaica. Invited lecture, Smithsonian Migratory Bird Center.
34. **Wolfe, J. D.** 2015. Bird science in the country least known to science: banding adventures in Equatorial Guinea. Invited speaker for Humboldt State University's Ecoseries.
33. **Wolfe, J. D.** and C. J. Ralph. 2015. How climate influences avian demography through bottom-up processes. Invited speaker, US Forest Service PSW SAC – Seminar.
32. **Wolfe, J. D.** 2014. Exploring links between climate, food and bird demography: case studies from Hawaii and Central America. Invited speaker, Smithsonian Migratory Bird Center.
31. **Wolfe, J. D.** 2014. Bird science in the country least known to science: banding adventures in Equatorial Guinea. Invited speaker, Redwood Region Audubon Society.

30. **Wolfe, J. D.** 2014. Bird science in the country least known to science: banding adventures in Equatorial Guinea. Invited Keynote, Western Bird Banding Association annual meeting.
29. **Wolfe, J. D.** 2014. An Introduction to the Louisiana Bird Observatory. Invited speaker, USDA Forest Service, PSW-Arcata.
28. **Wolfe, J. D.** 2014. Introduction to the Louisiana Bird Observatory. Invited Keynote, New Orleans Audubon Society's annual banquet.
27. **Wolfe, J. D.** and P. C. Stouffer. 2014. Influence of second growth and forest fragmentation on the behavior and demography of a central Amazonian bird community. Presenter, American Ornithologists Union annual meeting.
26. **Wolfe, J. D.** and C. J. Ralph. 2014. Power of multiple methods: a case study from Hawaii. Invited speaker at 'value added' symposium, American Ornithologists Union annual meeting.
25. Jackson, A., **Wolfe, J. D.** and E. I. Johnson. 2014. Seasonal variation in blood mercury levels in Louisiana songbirds. Poster, American Ornithologists Union annual meeting.
24. Cooper, J. C., L. L. Powell and **J. D. Wolfe.** 2014. Equatorial Guinea Bird Initiative. Poster, American Ornithologists Union annual meeting.
23. **Wolfe, J. D.** and P. C. Stouffer. 2014. Influence of second growth and forest fragmentation on the behavior and demography of a central Amazonian bird community. Presenter, Association of Field Ornithology annual meeting.
22. **Wolfe, J. D.** 2013. Bird banding in Baton Rouge and beyond! Invited keynote, Louisiana Ornithology Society's annual banquet.
21. **Wolfe, J. D.** 2013. Using citizen science to monitor Louisiana's bird populations: an introduction to the Bluebonnet Bird Monitoring Project. Presenter, Louisiana Professional Biologist annual meeting.
20. **Wolfe, J. D.** 2013. Tropical Birds Feel the Heat: How El Niño Influences Avian Demography in Central America. Invited Speaker, LSU School of Renewable Natural Resources.
19. **Wolfe, J. D.** 2011. A tropical bird's dissimilar response to global climatic phenomenon in an uneven aged forest. Presenter, Neotropical Ornithological Congress, Cusco, Peru.
18. **Wolfe, J. D.** 2011. Using molt cycles to categorize age in Tropical birds: an integrative new system at the Neotropical Ornithological Congress 2011 in Cusco, Peru.

17. **Wolfe, J. D.** and P. Pyle. 2011. Progress in our understanding of molt patterns in Neotropical landbirds. Invited speaker at 'molt' symposium, Neotropical Ornithological Congress, Cusco, Peru.
16. Ralph, C. J., **J. D. Wolfe**, and P. Elizondo. 2011. Bird monitoring in the era of big data. Invited plenary, Neotropical Ornithological Congress, Cusco, Peru.
15. **Wolfe, J. D.** 2011. Gimme' shelter: a tropical bird's dissimilar response to global climatic phenomenon in an uneven aged forest. Presenter, Cooper Ornithological Society annual meeting.
14. **Wolfe, J. D.** and T. B. Ryder. 2011. Categorizing age in tropical birds. Poster, Cooper Ornithological Society annual meeting.
13. **Wolfe, J. D.** 2011. Trophic cascades, fruit and migration in Central America. Invited speaker, LSU Museum of Natural Science's Ecology and Evolution Seminar.
12. **Wolfe, J. D.** 2010. Resultados de 15 anos de um estudo com marcação de aves: uso de habitat por migradores e cascatas tróficas. Invited speaker, Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil.
11. **Wolfe, J. D.** 2010. Not your Mama's molt talk, parts I and II. Invited lecture, Western Bird Banding Association annual meeting.
10. **Wolfe, J. D.** 2010. An introduction to the Bluebonnet Bird Monitoring Project. Presenter, Western Bird Banding Association annual meeting.
9. **Wolfe, J. D.** 2010. Results from a 16 year bird banding initiative in Northeastern Costa Rica. Presenter, Western Bird Banding Association annual meeting.
8. **Wolfe, J. D.** 2009. Stopover ecology in northeastern Costa Rica: migrant habitat use and dietary patterns. Presenter, American Ornithologists Union annual meeting.
7. **Wolfe, J. D.** 2009. An improved age classification system for resident tropical birds. Presenter, Western Bird Banding Association annual meeting.
6. **Wolfe, J. D.** 2008. Changes in Swainson's Thrush distribution in response to variable precipitation regimes. Presenter, California Geographical Society annual meeting.
5. **Wolfe, J. D.** 2008. Effects of the El Nino Southern Oscillation on the physiology of migrant birds in Central America. Presenter, American Ornithologists Union annual meeting.
4. **Wolfe, J. D.** and T. B. Ryder. 2011. Categorizing age through molt cycles in resident tropical birds. Poster, American Ornithologists Union annual meeting.

3. **Wolfe, J. D.** 2008. Heat, fruit, and the Caribbean: a migrant's response to a stochastic climate. Invited speaker, US Forest Service PSW – Arcata.
2. **Wolfe, J. D.** 2008. Heat, fruit, and the Caribbean: a migrant's response to a stochastic climate. Invited speaker, HSU Ecology Seminar Series.
1. **Wolfe, J. D.** 2007. Birds of the Teshepuk Special Area, North Slope, Alaska. Klamath Bird Observatory annual meeting.

Non-Peer Reviewed Publications

In addition to active professional blog (available [here](#)), I regularly post guest blogs (example from Klamath Bird Observatory [here](#)), and have published over 30 non-peer reviewed articles in *Birding Magazine*, *EcoNews*, *Journal of Louisiana Ornithology*, *MesoAmerica*, *LaMNA Newsletter*, *Klamath Bird Observatory Newsletter*, quarterly columns in *Baton Rouge Audubon Society's Barred Owl*, *Costa Rica Bird Observatories Annual Reports*, and *Louisiana Bird Observatories Annual Reports*.

Popular Media Coverage

2024. Multiple media outlets covered our ongoing and collaborative citizen science tick monitoring project, including [Television 6](#), and [Tech Magazine](#).
2023. Multiple media outlets covered the launching of our collaborative citizen science tick monitoring project, including [Bridge Michigan](#), [Keweenaw Report](#), and [Television 6](#).
2023. USDA Forest Service highlighted our research in a [press release](#) and a news article in the [Klamath Fall News](#).
2021. Numerous media outlets, including the [Guardian](#), highlighted our collaborative research focused on the long term [declines of Amazonian birds](#). This research was based on 40 years of bird banding efforts at the Biological Dynamics of Forest Fragmentation Project in the Brazilian Amazon.
2020. Michigan Technological University featured an [unscripted interview and photo essay](#) detailing Jared Wolfe's molt and plumage research.
2020. NPR's [Science Friday](#) featured Jared Wolfe's recent research focused on the evolution of avian molts and plumages during their "news roundup".
2020. Various media outlets covered Jared Wolfe's molt and plumage research, including [Earth News](#), [TD News](#), and [Surfbirds](#).
2020. Michigan Technological University featured bird banding and Jared Wolfe in a short informational [video](#).
2019. The Daily [Mining Gazette](#) covered interviewed Jared Wolfe about his new bird banding station at the Ford Center and Forest in Alberta, MI.
2019. [Washington Post](#) interviewed Jared Wolfe for their story "Songbird migration study finds a tiny, vulnerable winter range".
2019. The [Wildlife Society](#) included "Molt in Neotropical birds: Life History and Aging Criteria" on its shortlist for best wildlife books of 2019.
2018. Peter Pyle provided the [Journal of Field Ornithology](#) a review of "Molt in Neotropical Birds: Natural history and Age Criteria"

2017. USDA [Forest Service](#) Press Release. Summarized published findings detailing investigations of climate, food and birds in Hawaii.
2017. [Hawaii Tribune Herald](#) article and interview detailing our Hawaii research.
2017. [Wildlife Society](#) article and interview detailing our Hawaii research.
2017. [Eureka Times Standard](#). News story about California Condor feasibility analysis.
2017. [American Ornithological Society](#) blogpost about California Condor feasibility analysis.
2017. [ABC News](#). Photo essay from 2016 expedition in Equatorial Guinea was featured on their website.
2016. [Audubon Magazine](#) July-August issue featuring in-depth coverage of expedition in Equatorial Guinea.
2016. KHSU interview. Interview for “KHSU Homepage” with Katie Whiteside covering ongoing research in central Africa.
2015. [Wildlife Professional Magazine](#). Interview for “Where Do You Go, Little Warbler, When It Snows?” Article detailing Prothonotary Warbler migratory connectivity research.
2015. [Mongabay](#). Article detailing technology used to measure connectivity of Prothonotary Warblers in Louisiana and Central America.
2015. [USDA Forest Service](#) Press Release. Summarized published findings detailing Prothonotary Warbler migration connectivity.
2015. [Audubon Magazine](#). “New Research Details Warblers’ Mystery Treks. No one knew exactly where Prothonotary Warblers went for the winter—until now.” Article detailing on-going Prothonotary Warbler research.
2015. [National Audubon](#) Press Release. Summarized publication documenting Prothonotary Warbler migratory connectivity using geolocators.
2015. [Teletica, canal 7](#) (channel 7, Costa Rica). Costa Rica television news story detailing results from our study on the effects of habitat and climate change on White-collared Manakins.
2015. [La Nacion](#). Costa Rica newspaper story detailing results from our study on the effects of habitat and climate change on White-collared Manakins
2015. [USDA Forest Service](#) Press Release. Summarized published findings detailing synergistic effects of habitat degradation and climatic shifts on avian survival.
2014. [PBS](#) Equatorial Guinea talk. Aired on KEET.
2014. KHUM Radio Interview. Lengthy interview regarding on-going bird research, climate change, local conservation efforts, and NGOs.
2014. [Audubon Magazine](#). “Band Leader: Louisiana Bird Observatory's Founder on Why Bird Banding Matters” interviewed regarding the founding of Louisiana Bird Observatory.
2014. [Costa Rica Hoy](#) (newspaper, Costa Rica). “Estudio revela detalles inéditos de las aves migratorias que viajan del norte hacia Costa Rica” article covering findings from Wolfe et al. 2014’s PLOS ONE publication.
2013. [Teletica, canal 7](#) (channel 7, Costa Rica). “+QN lo lleva al corazón de la selva en el Amazonas” interviewed regarding the Amazon Forest, and the Amazon Bird Banding Course for Costa Rica Primetime News.
2012. [The Advocate](#) (newspaper, Baton Rouge). “Author’s talk at LSU to focus on psychology of bird identification” interviewed regarding David Sibley’s upcoming presentation in Baton Rouge.

2011. [The Advocate](#) (newspaper, Baton Rouge). “Baton Rouge Premiere of Ghost Bird” interviewed regarding Ivory-billed Woodpecker documentary premiere in Baton Rouge.

Grants, Fund Raising, Scholarships and Fellowships

- 2024 NASA Biodiversity and Ecological Conservation, PI, \$307,949; Assessing Climate Change Resilience and Refugia in Tropical Lowland Forests. *Pending decision.*
- 2024 NASA Biodiversity and Ecological Conservation, Senior Personnel, \$580,712; Mapping Drivers of Biodiversity: Ecosystem Functions and Food Webs in a Changing World. *Pending decision.*
- 2024 US Department of State, co-PI, \$15,000, Assessing Climate Change Resilience and Refugia in Tropical Lowland Forests. *Pending decision.*
- 2024 USFWS, PI, \$53,137; Enabling WNS management via autonomous monitoring of microclimates and animal state in bat hibernacula. *Awarded.*
- 2024 Great Lakes Restoration Initiative (GLRI), PI (USFS joint-venture), \$525,000; Integrating migratory bird stopover requirements into management action across the Great Lakes Basin. *Awarded.*
- 2024 NSF, GRFP, Sponsoring Scientist for Ellie Resendiz, \$320,000; Integrating migratory bird stopover requirements into management action across the Great Lakes Basin. *Awarded.*
- 2023 Hammar Fund for class development (Michigan Tech internal grant), \$7,100. *Awarded.*
- 2023 NFWF, Bats for the Future Award, \$116,472; Development and implementation of management strategies to reduce White-nose Syndrome and increase bat survival in Michigan’s abandoned mine hibernacula. *Awarded.*
- 2023 SCI, co-PI, \$11,250; Technical support for the Solonga Conservation Initiative. *Awarded.*
- 2023 NSF, PI, \$109,649; Forest Fragmentation and Climate Change Impact Bottom-up Processes that Affect Tropical Avian Diversity. *Awarded.*
- 2022 NSF, GRFP, Sponsoring Scientist for Jenna Brewer, \$160,000; Developing an acoustic bird deterrent to mitigate building strikes. *Awarded.*
- 2022 NSF, PACSP, co-PI, \$82,752; Science-informed action to promote host persistence with infectious disease in a changing climate. *Declined.*
- 2022 NSF, PRFB, Sponsoring Scientist for Dr. Vitek Jirinec, \$160,000; Effects of thermal extremes on body condition of tropical birds. *Declined.*
- 2022 Rainforest trust, co-PI, \$1,600,000; Development of a new National Park in the central African country of Equatorial Guinea. *Awarded*
- 2022 SCI, co-PI, \$45,000; Technical support for the Solonga Conservation Initiative. *Awarded.*
- 2021 Ecosystem Science Center (ESC), PI, \$6,000; Developing and commercializing technology to protect migratory songbirds from building collisions. *Awarded.*
- 2021 Michigan Tech’s Research Excellence Fund, PI, \$26,000; Developing and commercializing technology to protect migratory songbirds from building collisions. *Awarded.*

- 2021 NASA BioScape, Co-I, \$550,000; Mapping Drivers of Biodiversity: Ecosystem Functions and Food Webs in a Changing World. *Declined and preparing resubmission.*
- 2021 Sustain Our Great Lakes - Category 1: Restore and Enhance Stream and Riparian Habitat, PI, \$125,000; Riparian restoration on the lower reaches of the Pilgrim River. *Declined and preparing resubmission.*
- 2021 BCBI/WWF, co-PI, \$45,000; Technical support for the Bonobo and Congo Biodiversity Initiative/World Wildlife Fund. *Awarded.*
- 2020 NSF MRI, co-PI, \$327,067; Acquisition of an Isotope Ratio Mass Spectrometer for using stable isotopes to study complex ecological systems. *Awarded.*
- 2020 NSF LTREB, PI, \$349,756; Long-term effects of disturbance on Amazonian bird communities at the BDFFP: Relative effects of bottom-up and top-down trophic processes. *Declined and preparing resubmission.*
- 2020 NSF IRES, co-PI, \$643,241; Innovative Interdisciplinary Research and Education Opportunity for Students on the Imbabura UNESCO Geopark in Ecuador. *Declined.*
- 2020 BCBI/WWF, co-PI, \$45,000; Technical support for the Bonobo and Congo Biodiversity Initiative/World Wildlife Fund. *Awarded.*
- 2020 USDA Forest Service, PI, \$8,000; Integrating economically valuable wildlife management into silviculture practices in northern Michigan. *Awarded.*
- 2019 Michigan Tech REF, PI, \$20,645; Assessing Novel Enforcement Methodologies to Reduce Illegal Bushmeat Hunting and Logging in Equatorial Guinea's Protected Areas. *Awarded.*
- 2019 USFWS Neotropical Migratory Bird Conservation Act, co-PI, \$170,000; Conservation of vulnerable wood thrush habitat, Caribbean slope of Costa Rica. *Awarded.*
- 2018 MTU Martin Jurgensen Teaching Development Award, PI, \$4,224.00; Bat monitoring and research capacity building workshop. *Awarded.*
- 2018 MTU Hammer's Endowed Field Equipment Fund, PI, \$9,048.52; Developing MTU's Wildlife Research Techniques Class. *Awarded.*
- 2017 Silicon Valley consortium, PI, \$50,000; Donor expedition to Brazilian Amazon. *Awarded.*
- 2017 USFWS Neotropical Migratory Bird Conservation Act, co-PI, \$170,000; Conservation of Golden-winged warbler habitat, Cordillera de Talamanca of Costa Rica. *Awarded.*
- 2016 National Geographic Waitt Grant, co-PI, \$24,700; Building Equatorial Guinea's capacity to conserve wildlife and defend protected areas. *Awarded.*
- 2016 USFS Pacific Southwest Research Station, PI, \$52,500; Assessing effects of variable forest management strategies on bird communities using network analysis. *Awarded.*
- 2016 USFS Pacific Southwest Research Station, PI, \$74,100; Developing an Agent Based Model for California Spotted Owls. *Awarded.*
- 2016 Hess Corporation, co-PI, \$5,000; Protected Areas monitoring and capacity building in Africa. *Awarded.*
- 2015 USFWS Wildlife Without Borders, co-PI, \$50,000; Protected Areas monitoring and capacity building in Africa. *Awarded.*
- 2015 USFS Postdoctoral Fellowship, PI, \$150,000; Demographic implications of forest structure and climate on California spotted owl populations. *Awarded.*
- 2014 Stone Hill Education, co-PI, \$5,000; Equatorial Guinea wildlife research and science education. *Awarded.*

- 2014 Klamath Bird Observatory Postdoctoral Fellowship, PI, \$75,000; Assessing effects of climate and forest structure on songbird community dynamics. *Awarded.*
- 2014 Noble Energy, co-PI, \$5,000; Education, exploration, and conservation in Equatorial Guinea. *Awarded.*
- 2014 Kickstarter Crowd Sourcing Campaign, PI, \$20,000; Equatorial Guinea Bird Initiative: Science in Africa! *Awarded.*
- 2014 Association of Field Ornithology, PI, \$800; Travel Award. *Awarded*
- 2013 Microryza Crowd Sourcing Campaign, PI, \$2,000; Developing workshops to prepare the next generation of Latin American biologists. *Awarded.*
- 2013 Manomet Center for Conservation: Kathleen S. Anderson Award, PI, \$2,500; Effects of forest fragmentation on Amazonian bird community structure. *Awarded.*
- 2013 Louisiana State University Rockefeller Scholarship, PI, \$2,500; Effects of forest fragmentation on Amazonian bird community structure. *Awarded.*
- 2013 National Audubon Society, PI, \$1,000; Conference travel award. *Awarded.*
- 2012 American Ornithologists Union (AOU) Research Award, PI, \$2,500; Effects of forest fragmentation on Amazonian bird community structure. *Awarded*
- 2012 Louisiana Environmental Education Commission Research Grant, PI, \$1,500; Integrating education into Louisiana Bird Observatory operations. *Awarded.*
- 2012 Eastern Bird Banding Association Research Award, PI, \$1,000; Building bird monitoring capacity in Louisiana. *Awarded.*
- 2011 Western Bird Banding Association Research Award, PI, \$1,000; Building bird monitoring capacity in Louisiana. *Awarded.*
- 2010 Cooper Ornithological Society, PI, \$500; Student travel award. *Awarded.*
- 2008 Humboldt State University - Stanley Harris Wildlife Scholarship, PI, \$2,500; Assessing habitat use of migratory birds in Costa Rica. *Awarded.*
- 2007 USFWS Richard J. Guadagno Scholarship, PI, \$2,500; Assessing habitat use of migratory birds in Costa Rica. *Awarded.*
- 2007 American Ornithologist Union, PI, \$500; Student travel award. *Awarded.*

Professional and Academic Recognition

- 2021 Michigan Tech Provost recognition for excellence in teaching
- 2019 Michigan Tech Provost recognition for excellence in teaching
- 2019 The Wildlife Society best book of 2019 shortlist
- 2018 Michigan Tech Provost recognition for excellent teaching
- 2018 Louisiana Ornithological Society President's Award
- 2016 American Ornithologists Union Elective Member
- 2015 Young Professional Award from Cooper Ornithological Society
- 2013 Ben and Pauline Stanley Excellence Award for Outstanding Doctoral Student
- 2011 Awarded USFS Wings Across the Americas International Cooperation for helping establish Costa Rica Bird Observatories
- 2010 Awarded Best Student Publication from Association of Field Ornithologists
- 2009 Awarded Best Master's Thesis from Humboldt State University
- 2008 Best Digital Cartographic Representation by the California Geographical Society

Journal Referee and Grant Reviewer

Animal Behaviour, Auk: Ornithological Advances, Behaviour, Biodiversity and Conservation, Biological Conservation, Biological Journal of the Linnean Society, Bird Conservation International, Canadian Journal of Zoology, Condor: Ornithological Applications, Diversity, Ecography, Ecology, Ecology and Evolution, Ecological Restoration, Forest Ecology and Management, Global Ecology and Biogeography, Ibis, Integrative and Comparative Biology, Journal of Community Ecology, Journal of Environmental Management, Journal of Field Ornithology, Journal of Mountain Science, Journal of Tropical Ecology, Journal of Wildlife Management, National Geographic Society (grant reviewer), National Science Foundation (grant reviewer), Nature Sustainability, Natureza and Conservação, Ornitologia Neotropical, Ornithology Research, PeerJ, Proceedings of the Royal Society B: Biological Sciences, North American Bird Bander, Science of the Total Environment, Scientific Reports, Southeastern Naturalist, Wildlife Biology, Wilson Journal of Ornithology, US-Israel Binational Science Foundation (grant reviewer), Zoological Research.

Organizational Membership

American Ornithological Society 2007 – current (Elective member)
American Association for the Advancement of Science (AAAS), 2011 – current
Association of Field Ornithologists, 2009 – current
Baton Rouge Audubon Society, 2010 – 2014 (past-board member)
Ecological Society of America (ESA), 2015 – current
Redwood Region Audubon Society, 2014 – 2016 (past-board member)
Sociedad de Ornitologia Neotropical, 2008 – 2013
Western Bird Banding Association, 2007 – current (past-president)
Wilson Ornithological Society, 2009 – current
The Wildlife Society, 2018 – current (past MI-TWS board member)

References

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Dr. Matthew Johnson, Humboldt State University
email: mdj6@humboldt.edu phone: (707) 826-3218