

Amanda D. Rodewald

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EDUCATION

Ph.D. in Ecology, 2000. Pennsylvania State University, University Park, Pennsylvania.
M.S. in Zoology, 1995. University of Arkansas, Fayetteville, Arkansas.
B.S. in Wildlife Biology, 1992. University of Montana, Missoula, Montana.

PROFESSIONAL POSITIONS

Garvin Professor of Ornithology and Conservation Science; and Senior Director of the Center for Avian Population Studies. Cornell Lab of Ornithology and Department of Natural Resources & the Environment, Cornell University. 2013 to present. (Garvin chair in 2016, CAPS Directorship in 2019)
Faculty Fellow, Cornell Atkinson Center for Sustainability, Cornell University. 2013 to present.
Core Faculty, Latin American Studies Program. 2018 to present.
Affiliate Faculty, Cornell Institute for Public Affairs, 2018 to present.
Director of Conservation Science, Cornell Lab of Ornithology, 2013-2019
Professor of Wildlife Ecology (2010-2013), Associate Professor (2006-2010), Assistant Professor (2000-2006). School of Environment and Natural Resources, The Ohio State University. 2000-2013.
Visiting Scientist, Integrative Ecology, Estación Biológica de Doñana, CSIC, Sevilla, Spain. 2011-2012.
Graduate Research Associate, School of Forest Resources, Pennsylvania State University, 1996–2000.
Research Assistant, Montana Dept of Fish, Wildlife, and Parks, 1996 and 1995
Tropical Research Assistant, Manomet Observatory for Conservation Sciences, 1996.
Laboratory Assistant, Dept. of Entomology, University of Arkansas, 1995.
Graduate Assistant, Dept of Biological Sciences, University of Arkansas, 1993-95.
Biological Technician, Glacier National Park, Montana, 1992.

HONORS AND AWARDS

Alfred Newton Lecture (academic prize lecture), British Ornithological Union, 2024.
Honorary Member, Nuttall Ornithological Club, 2023
William Brewster Memorial Award, American Ornithological Society, 2022
Honorary doctorate, Universidad Científica del Perú, 2018
Fellow, American Association for the Advancement of Science, 2017
International Research Fellow, Wall Institute for Advanced Studies, Univ. British Columbia. 2016-18
Public Voices Fellow, The Op-Ed Project, 2017
Partners in Flight Investigation Award, 2013
Avian Conservation and Science Award, Ohio Ornithological Society, 2012
Fellow, American Ornithologists Union, 2011
Fellow, CIC Academic Leadership Program, 2010-2011
Best Lessons Learned Award for Migratory Bird Conservation, Eco-Index & Rainforest Alliance, 2011
Distinguished Junior Faculty Research Award, Ohio Agricultural Research & Development Center, 2007
Elective Member, American Ornithologists' Union, 2006
Fellow, President's and Provost's Leadership Institute, OSU, 2006-2008
Best Lessons Learned Award for Migratory Bird Conservation, Eco-Index & Rainforest Alliance, 2009

Finalist, Magrath & Kellogg Foundation Engagement Award, OSU, 2007
Price Academic Advising Award, College of Food, Agricultural, & Environmental Sciences, OSU, 2004
Roger Latham Award, School of Forest Resources, PSU, 2000
Brian Horton Award, Ecology, PSU, 2000
Paul A. Stewart Research Award, Wilson Ornithological Society, 1999
Graduate Women in Science, Sigma Delta Epsilon Fellowship, 1998-99
Clare Boothe Luce Fellowship, Women in Science & Engineering Institute, PSU, 1997-99
Pinchot Scholar, School of Forest Resources, PSU, 1996-1999
National Park Service Productivity Award, 1993
Outstanding Senior Award, School of Forestry, UM, 1992
 Scholarships: Watkins Research Scholarship, UM, 1991-92; Montana Board of Regents Scholarship, 1991-92; Ralph H. O'Brien Scholarship, 1989-90; New York Regents Scholarship, 1988-90

HIGHLIGHTS

- >24 years as a professor in Tier I Research Universities, where I have:
 - led and integrated research, teaching and outreach/extension programs;
 - supervised (cumulatively) >200 staff, students, and post-doctoral researchers;
 - built international research and outreach programs focused on ecology and sustainability;
 - initiated and managed multi-year, multi-institution projects in North and South America;
 - developed and evaluated curricular and training programs in interdisciplinary departments;
 - taught 17 different courses at the graduate and undergraduate levels;
 - served universities on campus-wide, college, and departmental task forces and committees;
 - designed and implemented outreach and extension programs at regional, national, and international levels
- Programmatic, financial, and administrative leadership as Senior Director of the Conservation Science Program (2013-2019) and Director of the Center for Avian Population Studies (2019 to present) at the Cornell Lab of Ornithology to:
 - provide leadership and oversight for the Center's ~60 staff and >\$6M annual budget
 - discover and innovate by conducting interdisciplinary science that identifies the status of threats facing priority systems and species, the actions needed to ensure conservation, and the ways to work with people to achieve them;
 - recruit and engage volunteers and citizen scientists to contribute to the world's fastest accumulating biodiversity dataset – eBird, to which ~600,000 volunteers have submitted over 1 billion bird observations from around the world;
 - design, manage, and leverage open-access, crowd-sourced datasets in ways that (a) create robust models of the distribution, abundance, and population trends of birds for use by scientists, decision-makers, and the public, (b) provide rigorous data that fuels and advances science, (2) support environmental monitoring, assessment, and decision-making and by NGOs, governmental agencies, and the private sector, and (3) develop cost-effective and rigorous performance indicators;
 - move science to action by working at the interface of science and application and collaborating with decision-makers, practitioners, and partners from public and private sectors; we help guide planning and policy, empower action, and provide leadership for strategic multi-partner sustainability and conservation initiatives;
 - build capacity in STEM fields, population monitoring and analysis, and conservation science among students, scientists, and practitioners around the world.
 - recruit, mentor, and retain world-class scientists, statisticians, educators, policy analysts, programmers and developers, and science communicators to the Center's community of >55 faculty, staff, post-doctoral fellows, and students.
 - cultivate an inclusive, equitable, and diverse community that demonstrates through action the value of authentic and open communication; inclusive and transparent decision-making;

- honoring those with different backgrounds and experiences; and supporting each other personally and professionally.
- National leadership and service to Federal agencies that includes providing testimony to Congress and serving over a decade on the Science Advisory Board of the U.S. Environmental Protection Agency, and chairing the EPA’s controversial panel evaluating revisions to the regulatory definition of the “Waters of the US” under Clean Water Act.
 - Extensive academic leadership and planning, such as on the Faculty Advisory Board of the Atkinson Center for a Sustainable Future and Steering Committee of the Ohio State University’s Senate.
 - Strong record of publication for scientific and lay audiences, including peer-reviewed scientific articles, book chapters or edited volumes, op-eds or popular articles, and extension publications.
 - Proven ability to raise funds and contribute to university development programs (e.g., major gifts, alumni events, capital campaigns).
 - Demonstrated skills at translating science and engaging diverse audiences and stakeholders from public and private sectors on issues related to science, sustainability, environmental protection, conservation, and responsible business/finance.
 - Media training and experience with interviews for articles, radio, television, and film.
 - Successful history of cultivating and strengthening networks with partners in government agencies, non-profit organizations, foundations, and the private sector.

NATIONAL LEADERSHIP AND SERVICE

- **Member, Chartered Science Advisory Board of the Environmental Protection Agency.** 2021 –
- **Member, EPA Science Advisory Board’s Working Group for the Review of Science Supporting EPA Decisions.** 2021-2023.
- **Member, Grassland Bird Working Group.** Funded by National Center for Ecological Analysis and Synthesis (NCEAS). 2023-2024.
- **Member, Steering Committee of North American Bird Conservation Initiative.** 2021 –
- **Co-chair, State of the Birds Report Subcommittee, NABCI 2023-**
- **Briefing, Council on Environmental Quality.** 2022. America the Beautiful: National Conservation Stewardship Atlas.
- **Briefing, Council on Environmental Quality.** 2021. America the Beautiful / 30x30
- **Invited panelist, U.S. Fish and Wildlife Service press conference about Bald Eagle Population Assessment.** 2021. Co-presented with DOI Secretary Haaland, USFWS Deputy Director Williams, and Assistant Director of Migratory Birds Jerome Ford.
- **Briefing, White House staff and Office of Migratory Birds.** Organized by American Bird Conservancy.
- **Invited expert presenter, Congressional briefing (remote) about Migratory Bird Protection Act,** 2020. Organized by Rep Lowenthal and American Bird Conservancy.
- **Biodiversity Task Force Member, World Resources Institute 20x20 restoration initiative,** 2020
- **Invited speaker, Telepresser for Migratory Bird Protection Act,** 2020. Organized by Defenders of Wildlife with Rep Lowenthal.
- **Expert witness at Congressional Hearing,** 2019. House of Representatives, Natural Resources Committee – Subcommittee on Waters, Oceans, and Wildlife. Testimony focused on the Migratory Bird Treaty Act.
- **Invited expert presenter, Legislative briefing at U.S. House of Representatives,** 2019. Organized by the Bird Conservation Alliance and House Natural Resources Committee.
- **Invited advisor to government of Kingdom of Saudi Arabia (Ministry of Economy and Planning),** 2017. Consulted with KSA government officials and prepared a report with US-based scientific team about designing an Environmental Law Enforcement Program to protect the

Kingdom's natural resources. Our recommendations were implemented by the General Authority of Meteorology and Environment Protection, and >1000 environmental police have been deployed.

- **Scientific Review Board, National Socio-environmental Synthesis Center, 2012-2016.** SESYNC is an NSF-funded synthesis center focused on socio-environmental issues.
- **Advisory Committee for Monitoring Avian Productivity and Survival (MAPS), 2016 to 2018.**
- **Founding member** of the Steering Committee for the Breeding Grounds program of the Canada Warbler International Conservation Initiative, 2015-2016.
- **Chartered Science Advisory Board of US Environmental Protection Agency, 2009 to 2015.** Advised the Agency on broad scientific matters in science, technology, social/economic issues, evaluates scientific and technical information as well as methodological and analytical approaches that support regulatory decisions, and provides guidance on development and application of strategic research programs in the Agency.
- **Avian Advisory Committee, Wildlife Habitat Council, 2014.** Provided guidance and recommendations on how corporate habitat improvement projects should be evaluated and certified by the Wildlife Habitat Council.
- **Chair, EPA Science Advisory Board review panel for EPA's draft report *Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis of the Scientific Evidence*, 2013-2014.** Reviewed the EPA's controversial draft report on The Waters of the US, that synthesizes the scientific literature regarding the biological, chemical, and hydrologic connectivity of waters and the effects that small streams, wetlands, and open waters have on downstream waters such as rivers, lakes, estuaries, and oceans. Reviewed the scientific basis of the proposed water rule at special request of Congress.
- **National Academies / National Research Council's Committee on Human and Environmental Exposure Science in the 21st Century, 2010-2012.** Developed a long-range vision for exposure science as well as an implementation strategy. Efforts included the development of a unifying conceptual framework for exposure science to advance the study and assessment of human and ecological contact with chemical, biological, and physical stressors in their environments.
- **Ecological Processes and Effects Committee of the Science Advisory Board, US Environmental Protection Agency, 2006 to 2012.** Provided independent advice to the EPA Administrator on issues related to EPA environmental programs, science, and research that aims to protect, sustain and restore the health of ecosystems.
- **Report on the Environment Review Panel of the Science Advisory Board, US Environmental Protection Agency, 2009 to 2015.** Provided advice on future development of the Agency's Report on the Environment.
- **Review Panel for National Science Foundation, Ecology Program, 2007, 2009, 2012.** Evaluated proposals submitted to Ecology program of Division of Environmental Biology of NSF.
- **Expert for US Environmental Protection Agency's Workshop on "Ecological Risk Assessment – An Evaluation of the State-of-the Practice", 2006.**
- **Geographic Information System Screening Tool (GISST) Review Panel of the Science Advisory Board, US Environmental Protection Agency, 2005.** Reviewed GISST, an environmental assessment tool that systematically evaluates single media and cumulative impacts for environmental and regulatory decisions in Region 6.
- **Critical Ecosystem Assessment Tool Review for the Science Advisory Board, US Environmental Protection Agency, 2004.** Reviewed a spatially explicit model (CrEAM) developed to assess the ecological significance of land areas across EPA Region 5.

INSTITUTIONAL LEADERSHIP AND ADMINISTRATION

- **Senior Director of Center for Avian Population Studies, Cornell Lab of Ornithology (2013 to present)**

- Manage multi-million (>\$11 M) annual budget from grants, gifts, and contracts.
- Supervise professional and academic staff (>55) and advise graduate students (5-7/year) distributed among three programs:
 - eBird and Engineering – eBird project development and management, software engineering, technical project infrastructure, data quality, international partnerships and outreach,
 - Ecological Data Sciences – big data engineering and analysis, innovation in machine learning techniques, computational science, basic and applied ecological research, radar ornithology, aeroecology, data visualizations; macroecology; capacity-building in analysis; eBird Status & Trends; BirdCast
 - Conservation Science – applied ecological and conservation research, especially related to movement, population, community, and landscape ecology; design of monitoring and evaluation protocols; capacity-building and training; Coastal Solutions, Land Trust Bird Conservation Initiative
- Oversee a research portfolio with staff and students that includes projects that reach most continents and dozens of countries, including Chile, Peru, Colombia, Panama, Costa Rica, Nicaragua, Honduras, Guatemala, Belize, Jamaica, Mexico, Brazil, Canada, Australia, U.K., and China.
- Lead several innovative capacity-building programs, such as the Coastal Solutions Fellowship Program with Packard Foundation that is building a community of early-career Latin American leaders from the academic, private, and non-profit sectors that are working on new approaches to coastal development and ecosystem management along the Pacific Coast of Central and South America.
- Conceived of and co-developed the Cornell Lab’s Land Trust Initiative, which builds capacity in land trusts for strategic planning, monitoring, and conservation through workshops, publications, web-based resources, online interactive decision-support tool, and a competitive grant program.
- Initiated interdisciplinary research to innovate in collaborative and entrepreneurial approaches to sustainability, conservation finance, and environmentally-friendly business, such as developing market-based incentives for forest restoration and conservation in Latin America; collaborators include Johnson School of Business, Dyson School of Applied Economics, Cornell Institute for Public Affairs, and private sector. This includes co-organizing an international conference and roundtable on conservation finance in Vancouver (<https://conservationfinance.pwias.ubc.ca/>)
- Cultivated institutional partnerships with Packard Foundation, American Bird Conservancy, National Fish and Wildlife Foundation, Wildlife Conservation Society, ECOM, Nespresso, World Resources Institute, and others that support research, application, and training.
- Engage frequently with conservation practitioners and environmental agencies and NGOs
- Write bi-monthly contributor column in The Hill, a leading US policy/news source for Capitol Hill as well as contribute op-eds to other news outlets.
- Interact regularly with media for interviews and commentaries (print, radio, film)
- Contribute to development activities by engaging with private donors and foundations.
- Coordinate the Conservation Associates program with the Cornell Institute for Public Affairs
- **Member, Research Integrity Council of Cornell.** (2021-present). Perform inquiries and investigations related to allegations of research misconduct.
- **Migrations Initiative Taskforce Member.** (2021-to present)
- **Co-Chair, Migrations Initiative: A Cornell Global Grand Challenge.** (2019-2020). Co-led the development and implementation of a new initiative that will cultivate interdisciplinary dialogue, facilitate new collaborations in research, scholarship, teaching, and engagement, generate novel insights into critical problems, provide a stronger evidence-base for policy, and place Cornell at the forefront of Migration Studies around the world.

- **Advisory Committee, Cornell Institute for Host-Microbe Interactions and Disease.** (2020-present). An NIH-funded postdoctoral training program for scholars studying host-microbe interactions (PI: Brian Lazarro).
- **Cornell Academic Leadership Fellow,** 2019. Invited to participate in the inaugural program for Cornell's academic leaders.
- **Faculty Advisory Board,** Cornell Atkinson Center for Sustainability (2013 to 2022). Provided oversight, direction, and advice to Cornell's interdisciplinary sustainability center.
 - Provide faculty leadership for the development and launch of Cornell's partnership and grant program with The Nature Conservancy
- **Cornell Sustainability Task Force,** Cornell (2017-2019). Developed a strategy for Cornell University to be an international leader in sustainability science and application, emphasizing how to facilitate collaboration across campus and with external partners.
- **College of Agricultural & Life Sciences Structure Task Force,** Cornell (2016). Evaluated the organizational structure of the College and proposed ways to improve efficiency, capacity to pursue cutting-edge research, teaching, and extension efforts, and student experience.
- **Seminar Series Co-organizer,** Department of Natural Resources, Cornell (2015-2017).
- **Graduate Admissions Committee,** Department of Natural Resources, Cornell (2013-2016).
- **Environmental Science & Sustainability Internship Committee,** Cornell (2015)
- **Oversight Committee,** Cornell Center for Wildlife Conservation, Cornell (2013 to present)
- **Ad hoc tenure review committee chair,** College of Agricultural and Life Sciences, Cornell (2015).
- **Science Advisory Committee to Environmental Science Program Council,** OSU (2010-2011). Developed strategic plan to reorganize and integrate environmental sciences across colleges at Ohio State; reported to Provost and Deans.
- **Steering Committee of University Senate, Ohio State University** (2009-2011). Senate leadership committee that met monthly with Provost and academic leaders to identify and discuss key issues.
- **University Senate, Ohio State University** (2009-2011). Elected governance body comprised of faculty, staff, and students.
- **Advisory Committee for Ohio Sea Grant College Program, Stone Laboratory, the Center for Lake Erie Area Research (CLEAR), and the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC)** (2010-2012). Developed strategic and tactical plans for research, education, and outreach efforts.
- **Advisory Board for Climate, Water, Carbon Program** at OSU (2008-2011). Appointed to administer and steer the multi-million dollar university targeted investment in excellence, especially regarding grant awards, research progress, and faculty hires.
- **Advisory Board for Raccoon Ecological Management Area** (OSU representative; 2008-2010). Board of appointed representatives from academic institutions, federal & state agencies, and non-profit organizations to oversee research and management on cooperatively managed natural area.
- **Environment & Natural Resources Graduate Studies Committee** (2001-2011). Responsible for administering graduate programs in School of Environment & Natural Resources, including matters regarding admission, fellowships and associateships, graduate curriculum, and program requirements.
- **Advisory Committee for Audubon Sanctuary,** Ohio State University Golf Course (2011). Tasked with providing advice on environmental sustainability and wildlife management on golf course. .
- **Affiliate Faculty of the John Glenn Institute of Public Service and Public Policy** (2006-present).
- **Search Committees.** Chair for search for Assistant Professor of Aquatic Ecology (2010); member, search committees for Assistant Professor in environmental decision-making (2006-07), SENR Director (2004-05), Assistant Professor of wildlife ecology (2002), and Assistant Professor in natural resources communication (2001).

LEADERSHIP AND SERVICE TO PROFESSIONAL SOCIETIES

- Editorial Board, *Scientific Reports*, a Nature Research Journal – Ecology and Evolutionary Biology section, 2018-2020.
- Guest Editor for *Proceedings of the National Academies of Science*, 2018.
- Elected member of Nominating Committee of the AAAS Section on Agriculture, Food, and Renewable Resources, 2015-2018.
- Special research topic co-editor, *Frontiers in Ecology and Evolution: Behavioural and Ecological Consequences of Urban Life in Birds*. 2016-2017. With Caroline Isaksson and Diego Gil.
- Editorial Board, *Issues in Ecology* (ESA), 2013 to present.
- Editorial Board, *Studies in Avian Biology*, 2010 to 2016.
- Member, Early Professionals Committee, American Ornithological Society 2013-14.
- Chair of Outreach and Education, Society for Ornithology Committee, 2011-2012.
- Council Member of The American Ornithologists' Union, 2008-2011.
- Associate Editor for the *International Journal of Forestry*, 2008-2011.
- Associate Editor for *The Auk, an International Journal of Ornithology*, 2006-2010.
- Associate Editor for *Journal of Wildlife Management*, 2004-2006.
- Member of Publication Awards Committee for The Wildlife Society, 2005-07.
- Member of Research Awards Committee of American Ornithologists' Union, 2005-07.
- Guest Editor for special issue, *Wildlife Society Bulletin*, 2004-2005.
- Guest Editor for *Conservation Biology*, Spring 2004
- Grants for National Science Foundation - Ecology, Population Biology, & International Programs; US Fish and Wildlife Service; Great Lakes Protection Fund Program; US Forest Service. Northeast Research Station Research Charter; National Fish and Wildlife Foundation grants; Wayne National Forest Plan and Species Viability Evaluations; National Commission on Science for Sustainable Forestry, NSERC
- Reviewer for *Science, Nature, Ecology, Ecological Monographs, Ecological Applications, Landscape Ecology, Conservation Biology, Biological Conservation, Journal of Animal Ecology, Agroecosystems and Environment, Journal of Wildlife Management, Ecography, Journal of Tropical Ecology, Journal of Field Ornithology, Landscape and Urban Planning, Environmental Management, The Auk, Wilson Journal of Ornithology, Forest Science, Condor, Oikos, Naturwissenschaften, Ornis Fennica, Natural Areas Journal, American Midland Naturalist, Wildlife Research, Ohio Journal of Science, Journal of Applied Ecology, Forest Ecology and Management, Ardeola, Journal of Avian Biology, Frontiers in Ecology and Evolution*

RESEARCH

As an ecologist, I study how global changes impact ecosystems across multiple spatiotemporal scales and levels of biological organization. My research touches on a variety of sub-disciplines, including conservation biology, community ecology, landscape ecology, population demography, behavioral ecology, ecological restoration, and sustainability science. My current work focuses on (1) population and community responses to changes in land use, climate, invasive species, and disturbance regimes, (2) socioecological dynamics and conservation in working landscapes, (3) eco-evolutionary dynamics in human-dominated and urbanizing systems, (4) sustainable management of temperate and tropical forests, (5) conservation planning and prioritization, and (6) innovative finance and market-based instruments to support conservation and alleviate poverty.

PUBLICATIONS:

Journal articles (former or current *graduate student advisee, **post-doc, ***undergraduate advisee)

- 187 Rodewald, A.D., A. Lello-Smith, N. Magliocca, K. McSweeney, M. Strimas-Mackey, S. Sesnie, E. Nielsen. In press. America's birds have a drug problem. *Nature Sustainability*.
- 186 Neugarten, R.A., R. A. Rasolofoson, C. B. Barrett, G. Vieilledent, A. D. Rodewald. In press. The effect of a political crisis on performance of community- and state-managed forests in Madagascar. *Nature Communications*.
- 185 Rousseau, J., S. H. Woodard, S. J. Jepsen, B. Du Clos, A. Johnston, B. Danforth and A.D. Rodewald. In press. Advancing bee conservation in the US: gaps and opportunities in data collection and reporting. *Frontiers in Ecology and Evolution*.
- 184 Rhinehart, T., D.J. McNeil, C.J. Fiss, J.L. Larkin, A.D. Rodewald, J.B. Cohen, and J. Kitzes. Benefits of Golden-winged Warbler and Cerulean Warbler habitat restoration for non-target forest birds: an empirical examination of the focal species concept. In press. *Biological Conservation*.
- 183 Wright, D.R., S. Bekessey, P. Lentini, G. Garrard, A. Gordon, A.D. Rodewald, R. Bennett, M. Selinske. Sustainable coffee: a review of governance, initiatives, and outcomes. In press. *Ambio*.
- 182 Neugarten, R.A., R. Chaplin-Kramer, R.P. Sharp, R. Schuster, M. Strimas-Mackey, P. R. Roehrdanz, M. Mulligan, A. van Soesbergen, D. Hole, C.M. Kennedy, J.R. Oakleaf, J.A. Johnson, J. Kiesecker, S. Polasky, J.O. Hanson, A.D. Rodewald. 2024. Mapping the planet's critical assets for people and biodiversity. *Nature Communications* 15:264. <https://doi.org/10.1038/s41467-023-43832-9>
- 181 Martell, J.M., A.D. Rodewald, J. Holley. In press. Promoting Conservation Behaviors by Leveraging Optimistic and Pessimistic Messages and Emotions. *Society and Natural Resources*. <https://doi.org/10.1080/08941920.2023.2294847>
- 180 Jones, T.J., Kearns, L.J., and A.D. Rodewald. 2023. Anthropogenic light pollution is associated with diel patterns of fledging in an urban-adapted songbird. *Urban Ecosystems* 26, 1651–1658. <http://dx.doi.org/10.1007/s11252-023-01416-x>
- 179 Fink, D., A. Johnston, M. Strimas-Mackey, T. Auer, W.M. Hochachka, S. Ligoeki, L. Oldham Jaromczyk, O. Robinson, C. Wood, S. Kelling, A.D. Rodewald. 2023. A Double Machine Learning Trend Model for Citizen Science Data. *Methods in Ecology and Evolution* 14:2435–2448. DOI: 10.1111/2041-210X.14186
- 178 Binley, A.D., J.R. Bennett, R. Schuster, A.D. Rodewald, F.A. LaSorte, D. Fink, B. Zuckerberg, and S. Wilson. 2023. Species traits drive responses of forest birds to agriculturally-modified habitats throughout the annual cycle. *Ecography* 9:e06457. <https://doi.org/10.1111/ecog.06457>
- 177 Cooper, N.W. B.C. Dossman, L.E. Berrigan, J.M. Brown, A.R. Brunner, H.E. Chmura, D.A. Cormier, C. Bégin-Marchand, A.D. Rodewald, P.D. Taylor, C.M. Tonra, J.A. Tremblay, and P.P. Marra. 2023. Songbirds initiate migratory flights synchronously relative to civil dusk. *Movement Ecology* 11:24. <https://doi.org/10.1186/s40462-023-00382-5>

- 176 Cooper, N.W. B.C. Dossman, L.E. Berrigan, J.M. Brown, D.A. Cormier, C. Bégin-Marchand, A.D. Rodewald, P.D. Taylor, J.A. Tremblay, and P.P. Marra. 2023. Atmospheric pressure predicts probability of departure for migratory songbirds. *Movement Ecology* 11:23 <https://doi.org/10.1186/s40462-022-00356-z>
- 175 Swift, R.S., G.J. MacDonald, N.R. Senner, and A.D. Rodewald. 2023. Perceived risks and rewards of foraging sites strongly affect density and condition of nonbreeding Hudsonian Godwits. *Ibis* 165:1169-1185. <https://doi.org/10.1111/ibi.13194>
- 174 Montaña-Centellas, F., Munoz, J., Mangini, G., Ausprey, I, Newell, F, Jones, H., Fanjul, M., Tinoco, B., Colorado G., Cahill, J., Arbelaez, E., Marín-Gómez, O. Astudillo, P. Guevara, E., Ippi, S., McDermott, M., Rodewald, A.D., Mathysen, E. and Robinson, S. 2023. Network structure of avian mixed-species flocks decays with elevation and latitude across the Andes. *Philosophical Transactions of the Royal Society B*. 378:20220099. <https://doi.org/10.1098/rstb.2022.0099>
- 173 Schuster, R., R. Buxton, J.O. Hanson, A.D. Binley, J. Pittman, V. Tulloch, F. A. LaSorte, P. H. Verburg, A.D. Rodewald, S. Wilson, H.P. Possingham, and J.R. Bennett. 2023. Protected area planning to conserve biodiversity in an uncertain world. *Conservation Biology*. DOI: 10.1111/cobi.14048
- 172 Molina, M.D., N. Chau, A.D. Rodewald, F. Garip. 2023. How to model the weather-migration link: A machine-learning approach to variable selection in the Mexico-U.S. context. *Journal of Ethnic and Migration Studies* 49(2):465-491 <https://doi.org/10.1080/1369183X.2022.2100549>
- 171 Dossman, B.C., A.D. Rodewald, C. Studds, P. Marra. 2023. Migratory birds with delayed spring departure migrate faster but pay the costs. *Ecology*.2023;104:e3938 DOI: 10.1002/ecy.3938
- 170 Lello-Smith, A., A.D. Rodewald, V. H. Ramos, K.V. Rosenberg, V. Ruiz-Gutierrez. 2022. Repeated burning undermines the value of regenerating cattle pastures for tropical forest birds. *Biological Conservation*. 271:109593 doi.org/10.1016/j.biocon.2022.109593
- 169 Fotis, A., C.E. Flower, J.W. Atkins, C.C. Pinchot, A.D. Rodewald, and S. Matthews. 2022. The short-term and long-term effects of honeysuckle removal on canopy structural complexity and implications for urban forest management. *Forest Ecology and Management* 517: 120251. <https://doi.org/10.1016/j.foreco.2022.120251>
- 168 La Sorte, F.A., A. Johnston, A.D. Rodewald, D. Fink, A. Farnsworth, B.M. Van Doren, M.E. Strimas-Mackey, and T. Auer. 2022. The role of artificial light at night and road density in predicting the seasonal occurrence of nocturnally migrating birds. *Diversity and Distributions*. DOI: 10.1111/ddi.13499.
- 167 Lin, H.Y., A.D. Binley, R. Schuster, A.D. Rodewald, R. Buxton, and J.R. Bennett. 2022. Using community science data to help identify threatened species occurrences outside of known ranges. *Biological Conservation* 268:109523. <https://doi.org/10.1016/j.biocon.2022.109523>
- 166 Corsini, M., P. Leanza, A.D. Rodewald, J. Sudyka, A. A. Dhondt, M. Szulkin. 2022. Coping with novelty across an urban mosaic:Provisioning latency increases closer to roads and is associated with species-specific reproductive success in two urban adapters. *Science of the Total Environment*. 847(2022)157450. doi.org/10.1016/j.scitotenv.2022.157450

- 165 Wilson, S., H.Y. Lin, R. Schuster, C. Gomez, A. Gonzalez, E. Botero-Delgadillo, N.J. Bayly, J.R. Bennett, A.D. Rodewald, and V. Ruiz Gutierrez. 2021. Prioritizing the conservation of migratory birds and resident vertebrates in the Neotropics under alternative planning strategies. *Journal of Applied Ecology* DOI: 10.1111/1365-2664.14077.
- 164 Fiss, C.J., D.J. McNeil, A.D. Rodewald, D. Heggenstaller, J.L. Larkin. 2021. Cross-scale habitat selection reveals within-stand structural requirements for fledgling Golden-winged Warblers. *Avian Conservation and Ecology*. 16(1):16. doi.org/10.5751/ACE-01807-160116
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23. Rodewald, A.D. 2017. Farm Bill pays high dividends for people and the environment. The Hill. August 10. (>500 shares)
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1. Liang, Y., I. Rudik, A. Rodewald. 2022. How does reducing air pollution help birds? Environmental Science Journal for Teens.
2. Rodewald, A.D. 2020. Analysis: If Another Deepwater Horizon Happens, New Policy Changes Would Give Polluters a Free Pass. Living Bird.
3. Rodewald, A.D. 2020. Trump targets migratory birds (why is he doing that?). The National Interest. <https://nationalinterest.org/blog/buzz/trump-targets-migratory-birds-why-he-doing-120201>
4. Schuster, R., A.D. Rodewald, J. Bennett, P. Arcese, S. Wilson. 2019. How birders helped pinpoint hotspots for migratory bird conservation. The Conversation. <https://theconversation.com/how-birders-helped-pinpoint-hotspots-for-migratory-bird-conservation-115289>
5. Rodewald, A.D. 2018. The Trump administration's new migratory bird policy undermines a century of conservation. The Conversation. <https://theconversation.com/the-trump-administrations-new-migratory-bird-policy-undermines-a-century-of-conservation-95038> (>11,000 shares)
6. Rodewald, A.D. and K.V. Rosenberg. 2018. An amazing race: spring migration in the Americas. Living Bird.
7. Rodewald, A.D. 2017. Birds offer a connection to tens of millions of coffee drinkers. Coffee Talk Magazine. Volume: April 2017, No. 4: 28-32.
8. Rodewald, A.D. 2016. Beyond borders: Why we need global action to protect migratory birds. The Conversation. August 15. (<http://theconversation.com/beyond-borders-why-we-need-global-action-to-protect-migratory-birds-62070>) (>2200 shares)
9. Rodewald, A.D. 2016. The dilemma of conservation reliance: When a species needs help indefinitely. Living Bird. Spring Issue.
10. Rodewald, A.D. 2012. In the thick of it: how invasive and exotic shrubs affect breeding birds. Birding. January 44-51. (invited by Editor).
11. Bakermans, M. H. and A. D. Rodewald. 2010. Cerulean Warbler – Singing the Blues. Wild Ohio Magazine, Spring issue.
12. Bakermans, M.H. and A.D. Rodewald. 2007. A cup in the hand is worth two birds in a bush: coffee's role in conservation. Ohio Ornithological Society Newsletter.
13. Bakermans, M.H. and A.D. Rodewald. 2007. Cerulean Warbler and Ohio's Forests. Ohio Woodlands, Wildlife, and Watersheds Newsletter, Spring.
14. Rodewald, A. D. and M. H. Bakermans. 2004. The Cerulean Warbler – an Ohio treasure. The Ohio Woodland Journal 11(3):20-21.
15. Rodewald, A. D. 2003. Goodbye to oak? Consequences of changing forest composition to wildlife. Ohio Woodland Stewards Newsletter.
16. Rodewald, A. D. 2002. Woodland wildlife. Ohio Woodlands, Wildlife, and Watersheds Newsletter, Spring.
17. Rodewald, A. D. 2002. Strategies to minimize deer damage. The Ohio Woodland Journal 9(4):21.
18. Rodewald, A. D. 2001. Managing for woodland wildlife. Southeast Ohio Edition Bulletin, Southeastern Ohio Forestry Initiative.
19. Rodewald, A. D. 2001. Forest management for Ohio's woodland songbirds. Ohio Woodland Owners' Journal 8(4):14-16.

Bulletins & Manuals

Rodewald, A.D. 2013. Managing Ohio's forest birds: a guide for land managers. Ohio Bird Conservation Initiative, The Nature Conservancy, and Ohio Division of Wildlife. 33 pp.

Wood, P.B., J. Sheehan, P. Keyser, D. Buehler, J. Larkin, A. Rodewald, S. Stoleson, T.B., Wigley, J. Mizel, T. Boves, G. George, M. Bakermans, T. Beachy, A. Evans, M. McDermott, F. Newell, K.

Perkins, and M. White. 2013. Management guidelines for enhancing Cerulean Warbler breeding habitat in Appalachian hardwood forests. American Bird Conservancy. The Plains, Virginia. 28 pp.

Rodewald, A. D. 2004. Wildlife habitat management on public open spaces. Ohio State University Extension Bulletin 915. 22 pgs.

Policy Briefs for Legislators

RAWA: A Game-changer for Florida's Wildlife. (Recovering America's Wildlife Act). 2023.

RAWA: A Game-changer for Arkansas Wildlife. (Recovering America's Wildlife Act). 2023.

RAWA: A Game-changer for Kansas Wildlife. (Recovering America's Wildlife Act). 2023.

Extension Fact Sheets (18; peer-reviewed at Ohio State University)

Santiago, M. J. and A. D. Rodewald. 2004. The benefits of managing your property for wildlife.

Santiago, M. J. and A. D. Rodewald. 2004. Wildlife-friendly golf course management.

Santiago, M. J. and A. D. Rodewald. 2004. Dead trees as resources for wildlife.

Santiago, M. J. and A. D. Rodewald. 2004. Managing shelterbelts for wildlife.

Bakermans, M. H. and A. D. Rodewald. 2002. Wildlife management on farmlands.

Borgmann, K. L. and A. D. Rodewald. 2002. Butterfly gardens.

Borgmann, K. L. and A. D. Rodewald. 2002. Native landscaping for birds, bees, and butterflies.

Comer, G. L. and A. D. Rodewald. 2002. Controlling mole damage.

Rodewald, A. D. and M. C. Brittingham. 2001. Incorporating wildlife needs into forest management plans.

Rodewald, A. D. 2001. Backyard enhancement for wildlife.

Rodewald, A. D. 2001. Managing for forest songbirds.

Rodewald, A. D. 2001. Preventing and controlling deer damage.

Rodewald, A. D. 2001. Preventing and controlling blackbird damage.

Rodewald, A. D. 2001. Preventing and controlling woodpecker damage.

Rodewald, A. D. 2001. Nuisance Canada Geese: how to deal with the problem.

Rodewald, A. D. 2001. Preventing and managing raccoon problems.

Rodewald, A. D. 2001. Dealing with nuisance groundhogs.

Rodewald, A. D. 2001. Preventing and controlling coyote problems.

FUNDED GRANTS (>\$9 Million)

Cornell Migrations Grand Global Challenge. Linking impacts of narco-trafficking in Central America to overwintering migratory birds. \$15,000. 2022-2023.

DeCoizart Trust. Building Strategic Bird Conservation Partnerships with Private Land Networks in the Northeast. Rodewald & Barker. \$125,651. 2021-2023.

Walmart Foundation. A Path Towards Sustainability: Using Birds as Indicators for Pollinator Diversity across the US. Rodewald, Beary, and Johnston. \$500,000. 2021-2023.

Peter Wall Institute for Advanced Studies, University of British Columbia. International Research Roundtable: Developing Innovative Ideas for Moving to a Net Zero Carbon Economy in the Post-Pandemic Period. Led by Janis Sarra. \$10,000. 2020.

Cornell Atkinson Center for Sustainability. One Health on the Prairie: Improving Co-Benefits of the Conservation Reserve Program for Biodiversity and Human Health. Rudik, Johnston, Kling, and Rodewald 2021-2022. \$175,000.

March Conservation Fund. Cornell Land Trust Bird Conservation Initiative Small Grant Program. \$150,672.73. Rodewald and Barker. 2020-2021.

- Nestlé Nespresso*. Developing a biodiversity progress index using birds in partnership with the AAA Sustainable Quality/TM Program. \$427,422. Ruiz-Gutierrez and Rodewald. 2018-2021.
- March Conservation Fund*. Cornell Land Trust Bird Conservation Initiative Small Grant Program. \$91,012. Rodewald and Barker. 2019-2020.
- Packard Foundation*. Cornell Lab of Ornithology Coastal Solutions Fellows (Phase II). \$999,809. Ruiz-Gutierrez, Hinojosa-Huerta, Rodewald. 2019-2020.
- Atkinson Center for a Sustainable Future, Cornell University*. Stay or go? The role of environment in migration decisions in Mexico. Garip, Chatrchyan, Chau, Ortiz-Bobea, Rodewald, and Yúnez-Naude. \$150,000. 2018-2019.
- Packard Foundation*. Coastal solutions fellowship program on coastal habitat and shorebird protection. \$400,000. Ruiz-Gutierrez and Rodewald. 2018-2019.
- Peter Wall Institute for Advanced Studies, University of British Columbia*. Promise and peril: design and application of conservation finance models to biodiversity conservation, human well-being, and sustainability. \$36,200. With Arcese and Sarra. 2017-2018.
- Packard Foundation*. Coastal Solutions: Fellowship program on coastal habitat and shorebird protection. Planning grant. \$73,000. Ruiz-Gutierrez and Rodewald.
- National Science Foundation*. Collaborative Research Belmont Forum: Ecological calendars and climate adaptation in the Pamirs. Kassam, Wolfe, Ruelle, Rodewald, and Dunn. \$100,000. 2016-2019.
- National Resource Conservation Service (via Indiana University of Pennsylvania)*. Inventory and Monitoring of Relevant Wildlife Species Across Properties Enrolled in Nrcs Conservation Programs in Appalachian and Great Lakes Areas. \$52,978. 2017-2018.
- National Resource Conservation Service (via Indiana University of Pennsylvania)*. Range-Wide Monitoring of Private Lands Enrolled in Natural Resource Conservation Service Programs That Target Golden-Winged Warbler and American Woodcock. \$97,602. 2015-2017.
- American Bird Conservancy (via Indiana University of Pennsylvania)*. Migratory connectivity of wintering golden-winged warblers. \$22,050. 2016-2017.
- Atkinson Center for a Sustainable Future at Cornell University*. Market-based instruments and incentives for sustainability and conservation in rural working landscapes of Latin America. Rodewald, Ruiz, Milstein, Gomez, DeGloria. 2016-2018. \$150,000.
- Natural Resources Conservation Service, USDA (via Indiana University of Pennsylvania)*. Range-Wide Monitoring of Private Lands Enrolled in Natural Resource Conservation Service Programs That Target Golden-Winged Warbler and American Woodcock. 2015-2018. \$99,000.
- U.S. Fish and Wildlife Service*. Ecological segregation and sex-biased habitat selection in overwintering Golden-winged and Blue-winged warblers. With Rosenberg and Bennett. 2015-2016. \$20,000.
- Atkinson Center for a Sustainable Future at Cornell University*. Ecological calendars to anticipate climate change. Kassam, Dunn, Wolfe, Rodewald, Degaetano, Rudstam, & Ruelle. 2015-2017. \$98,956.
- Disney Foundation*. Agroecosystems, communities, and conservation in Guatemala. Rodewald and Inigo. 2014-2015. \$25,000.
- Sarah K. de Coizart Charitable Trust*. Amplifying the Conservation Impact of Land Trusts in the Northeast. Rohrbaugh, Rodewald, Dayer. 2013-2015, \$100,000
- National Science Foundation*. Multitrophic consequences of novel plant assemblages in urban ecosystems. D. Tallamy, P. Marra, and A. Rodewald. 2013-2016. \$450,000
- Ohio Department of Natural Resources – Division of Wildlife*. Ohio biodiversity conservation partnership – understanding landscape-scale responses of animal communities to urbanization, 2011-2013. \$137,250.
- U.S. Fish and Wildlife Service*. Wintering Grounds Conservation Plan for Golden-winged Warblers With Rosenberg & Rodewald. 2013-2014. \$94,000
- Ohio Department of Natural Resources – Division of Wildlife*. Ohio biodiversity conservation partnership – conserving birds in urbanizing landscapes. 2011-2013. \$127,100.
- Ohio Department of Natural Resources – Division of Wildlife*. Ohio biodiversity conservation partnership – forest bird habitat management. 2011. \$26,450.

- U.S. Fish and Wildlife Service.* Assessing the impact of free-ranging cats and food-provisioned cat colonies on the conservation value of protected areas to grassland birds. U.S. Fish and Wildlife Service. 2010-2013. \$38,709. With Stan Gehrt.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “Towards a mechanistic understanding of landscape-scale responses of animal communities to urbanization. 2010. \$14,876.
- U.S. Fish and Wildlife Service.* Non-breeding ecology of Cerulean Warblers in shade-coffee plantations in the northern Andes. U.S. Fish and Wildlife Service. 2010-2014. \$24,516.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “Towards a mechanistic understanding of landscape-scale responses of animal communities to urbanization. 2009. \$12,974.
- National Council on Air and Stream Improvement.* Cerulean Warbler conservation initiative 4. 2008-2010. Breeding ground forest management experiment, \$108,000
- National Council on Air and Stream Improvement.* Non-breeding demography of Cerulean Warblers in Venezuela, 2008-2010. \$ 30,000.
- National Council on Air and Stream Improvement.* Habitat model testing for the Cerulean Warbler in South America, 2008-2010, \$21,000
- Ohio Agricultural Research and Development Center (OARDC) and The Ohio State University.* Social and ecological values of agroecosystems in the Venezuelan Andes. Office of International Affairs. 2008. \$2,000.
- U.S. Fish and Wildlife Service.* Non-breeding ecology of Cerulean Warblers in shade-coffee plantations in Venezuela. U.S. Fish and Wildlife Service. 2008-2010. \$17,796.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “Towards a mechanistic understanding of landscape-scale responses of animal communities to urbanization. 2008. \$6,551.
- National Science Foundation.* Linking watershed research and GK-12 education within an ecosystem context. R. Moore, V. Bouchard, C. Goebel, C. Hoy, L. Williams, A. Rodewald, D. Stinner, and P. Grewal. 2007-2012. \$2,958,178.
- National Science Foundation.* Towards a mechanistic understanding of landscape-scale responses of animal communities to urbanization. 2007-2011. \$421,300.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “The role of the landscape matrix in structuring avian communities”. 2007. \$6,230.
- Ohio Ornithological Society.* Winter ecology of Cerulean Warblers in shade-coffee plantations in Venezuela, 2007. \$1,500.
- Cleveland Metroparks Zoo.* Winter ecology of Cerulean Warblers in shade-coffee plantations in Venezuela, 2007. \$1,500.
- Ohio Department of Natural Resources – Division of Wildlife.* Conserving birds in urbanizing landscapes: the importance of the post-fledging period. 2007-2012 \$139,166.
- Ohio Department of Natural Resources – Division of Wildlife.* Towards a mechanistic understanding of landscape-scale responses of animal communities to urbanization. 2007-2012. \$157,755.
- National Council on Air and Stream Improvement.* Cerulean Warbler conservation initiative 3. 2007-2008. \$32,000.
- U.S. Fish and Wildlife Service.* Cooperative Cerulean Warbler forest management project. USFWS, 2005-2009, \$53,310.
- National Science Foundation.* The role of the landscape matrix in structuring avian communities. 2004-2008. \$125,000.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “The role of the landscape matrix in structuring avian communities”. 2005. \$6,000.
- National Science Foundation.* Research Experience for Undergraduate (REU) Supplement for “The role of the landscape matrix in structuring avian communities”. 2006. \$6,245.

- National Fish and Wildlife Foundation.* Cooperative Cerulean Warbler forest management project; administered through National Council on Air and Stream Improvement, 2006-2010. \$600,000 per year. B. Wigley, D. Buehler, P. Hamel, P. Keyser, J. Larkin, D. Maehr, A. Rodewald, K. Rosenberg, P. Bohall-Wood.
- Ohio Department of Natural Resources – Division of Wildlife.* Avian response to forest management for oak regeneration. 2006-2009. \$163,634.
- Ohio Department of Natural Resources – Division of Wildlife.* Conservation of riparian forests in urbanizing landscapes. 2005-2007. \$22,200.
- Ohio Agricultural Research and Development Center (OARDC) and The Ohio State University.* After the invasion: Developing a mechanistic understanding of ecological and human responses to exotic species to inform restoration decisions. 2005-2007. Ohio Agricultural Research and Development Center Competitive Grant Program, \$100,000. A. Rodewald, V. Bouchard, M. Miriti, and J. Arvai.
- U.S. Fish and Wildlife Service.* Demography of Cerulean Warblers on breeding and wintering grounds, 2004-2006. Neotropical Migratory Bird Conservation Act Program. \$57,204. A. D. Rodewald and M. H. Bakermans.
- U.S. Fish and Wildlife Service.* Conservation of Cerulean Warblers in the Ohio Hills. Nongame Bird Program, 2004-2006. \$12,000.
- Ohio Department of Natural Resources – Division of Wildlife.* Conservation of Cerulean Warblers in the Ohio Hills. 2004-2006. \$40,000.
- The Nature Conservancy.* Conservation of Cerulean Warblers in the Ohio Hills. 2004-2005. \$8,713.
- Ohio Department of Natural Resources – Division of Wildlife.* Conservation of late-successional birds in managed forest landscapes. 2003-2008. \$265,934
- Ohio Department of Natural Resources – Division of Wildlife.* Balancing the needs of early and late successional birds on public forestlands. 2003-2007, \$185,106.
- Ohio Department of Natural Resources – Division of Wildlife.* Bird conservation in midwestern riparian forests: local and landscape influences on breeding birds. 2003-2005, \$19,047.
- American Association for the Advancement of Science.* Edge effects in tropical montane forests: impacts on avian communities. 2003. \$4,000.
- U.S. Fish and Wildlife Service.* Wildlife habitat enhancement on public open spaces. 2001-2003. National Conservation Training Center, \$26,379.
- Ohio Department of Natural Resources – Division of Wildlife.* Monitoring and demographic modeling of grassland birds on strip mines, 2002-2007, \$73,000.
- National Fish and Wildlife Foundation – Wildlife Links.* Assessment of Midwestern golf courses as breeding habitat for a declining bird species: the Red-headed Woodpecker. 2001-2004. \$59,920. Funding through U.S. Golf Association. A. D. Rodewald and P. G. Rodewald.
- Ohio Department of Natural Resources – Division of Wildlife.* Minimum area and habitat requirements of scrub-successional birds: does landscape context matter? 2001-2004, \$101,332.
- Ohio Department of Natural Resources – Division of Wildlife.* Suitability of riparian and upland forests as stopover habitat for migrating songbirds: a multi-scale approach. 2001, P. Rodewald and A. Rodewald. \$5,000.
- Ohio Agricultural Research and Development Center (OARDC) and The Ohio State University.* A landscape approach to riparian forest buffer design: implications for wildlife conservation and policy. 2001, The C. William Swank Grant Program in Rural-Urban Policy. \$8,000.
- Ohio Agricultural Research and Development Center (OARDC) and The Ohio State University.* A multi-scale analysis of landscape matrix effects on riparian forests: implications for wildlife conservation and buffer design. 2000-2002, OARDC Research Enhancement Competitive Seed Grants. \$19,500.

INVITED PLENARIES, KEYNOTE ADDRESSES, OR SEMINARS

1. Alfred Newton Lecture, British Ornithological Union. 2024. A bird's eye view of behavioral and demographic processes that shape avian communities in an urbanizing world.
2. MSU Spartan Eminent Lecture, Ecology, Evolution & Behavior Program, Michigan State University. 2024. The power of birds to transform biodiversity conservation.
3. Errington University Lecture, Iowa State University. 2023. A bird's eye view of predator-prey interactions in the city.
4. Lund University, Sweden. 2023. Leveraging the power of birds for strategic conservation in human-dominated landscapes.
5. Nuttall Ornithological Club 150th Anniversary Keynote Address. 2023. More than a wing and a prayer: how birds can help bend the curve on biodiversity loss.
6. RMIT University-Melbourne and BirdLife Australia. 2023. The power of birds in the new global biodiversity conservation framework.
7. Penn State University and PSU Avian Education Program. 2023. Strategic conservation in an uncertain world: it takes a village.
8. San Diego State University. 2021. The sky is no limit: the road to recovering North American birds.
9. Ohio Wildlife Diversity Conference. 2021. Keynote address: The sky is no limit: the road to recovering North American birds.
10. Ecological Society of America. 2021. Innovative Finance for Conservation. Webinar series. <https://www.youtube.com/watch?v=Hh-M0iIBk8I>
11. Department of Zoology & Physiology and Program in Ecology, University of Wyoming. 2020. Predator-prey interactions in the city: a bird's eye view.
12. Cornell Atkinson Center for Sustainability – Climate Change Series. 2020. Species interactions and the challenge of predicting responses to climate change.
13. Latin American Studies Program, Cornell University. 2019. Can tropical working landscapes work for conservation?
14. Cary Institute for Ecosystem Studies. 2019. Causes and consequences of altered species interactions in urbanizing landscapes.
15. School of Environment and Natural Resources, The Ohio State University. 2019. Strategic conservation and co-benefits in working landscapes.
16. Midwest Fish and Wildlife Conference. 2019. Plenary: Moving science to action: strategic conservation in a changing world.
17. Department of Biology, Carleton University, Ottawa. 2018. Optimizing co-benefits in biodiversity conservation on private lands.

18. Rowley Lecture, Cornell Botanic Gardens. 2018. A bird's eye view of nature in the city and the surprising ways we affect species interactions.
19. XI Congreso Peruano de Ornitología, Universidad Científica del Perú, Iquitos. 2018. ¿Cómo pueden funcionar los paisajes productivos para la conservación de las aves? Ponencia Magistral (Plenary).
20. Wall Institute for Advanced Studies – Conservation Finance Conference, University of British Columbia. 2018. Down in the dirt: Approaches to establish and track environmental outcomes of conservation finance projects.
21. Center of Excellence for Environmental Decisions, University of Queensland. 2017. Synergies & trade-offs in biodiversity conservation on private lands.
22. Nuttall Ornithological Club, Harvard University. 2017. A bird's eye view of nature in the city.
23. Ecology & Conservation of Forest Biodiversity Seminar Series, Oregon State University. 2017. Altered species interactions and the role of anthropogenic inputs.
24. AVES seminar, Oregon State University. 2017. eBird as a tool for science and conservation.
25. Annual meeting of the American Ornithological Society and Society for Canadian Ornithologists, East Lansing, Michigan. 2017. Plenary address. The Anthropocene frontier: understanding ecological responses to urbanization.
26. Dumbarton Oaks, Harvard University. Mellon Initiative in Urban Landscape Studies. 2017. How a bird's eye view of the city teaches us about urban ecology.
27. Skidmore College, Department of Biology. 2017. A bird's eye view of the city: how our actions alter species interactions.
28. University of British Columbia, Institute for Resources, Environment, and Sustainability. 2017. Can working landscapes work for conservation?
29. Invited Inaugural Presentation. Colombian Ornithological Congress, Medellin, Colombia. 2016. A vista de aves de la naturaleza en la ciudad: Los sorprendentes formas en que nuestras acciones alteran las comunidades ecológicas.
30. Cornell Lab of Ornithology, Monday Night Seminar Series. 2016. Coffee, communities, and conservation: how your cup can make a difference.
31. Barkalow Distinguished Conservationist Lecture, College of Natural Resources, North Carolina State University. 2016. A bird's eye view of nature in the city: the surprising ways that our actions alter species interactions and shape ecological communities.
32. Ecology, Evolution, and Behavior Seminar Series, Virginia Tech. 2016. Altered species interactions in cities and the role of anthropogenic inputs.
33. Plenary for Trilateral Committee for Wildlife and Ecosystem Conservation and Management, Annual Meeting in Ottawa, Canada. 2016. Bringing vision to reality: the path forward for bird conservation in the Americas.

34. Department of Ecology, Evolution, and Biodiversity, University of British Columbia. 2015. Altered species interactions in cities and the role of anthropogenic inputs.
35. El Instituto de Ecología (INECOL), Xalapa, Mexico. 2015. Causes and consequences of altered species interactions in urbanizing landscapes.
36. Department of Wildlife Ecology and Conservation, University of Florida. 2015. Causes and consequences of altered species interactions in urbanizing landscapes.
37. Organismic and Evolutionary Biology Program Seminar Series, University of Massachusetts-Amherst. 2014. Altered species interactions in cities and the role of anthropogenic resources.
38. Department of Natural Resources Seminar Series, Cornell University. 2014. Altered species interactions in cities and the role of anthropogenic resources.
39. Programa de Ciencias Ambientales, Universidad de Ciencias Aplicadas y Ambientales, UDCA, Bogota, Colombia. 2014. Respuesta de la aves a la urbanización: mecanismos, demográficos y de comportamiento. (Invited and funded by the The Colombian Institute for Education Funding and Study Abroad; ICETEX)
40. Environmental Lecture Series, Ashland University. 2014. The intersection of coffee, communities, and conservation in Latin America.
41. Center for Ecology's Distinguished Speaker Series, Southern Illinois University. 2013. Altered species interactions in cities and the role of human inputs.
42. Department of Ecology and Evolutionary Biology, Cornell University. 2013. Anthropogenic inputs and consequences to bird-plant-predator interactions.
43. Distinguished Ecologist Lecture Series, School of Forest Resources and Environmental Sciences, Michigan Tech University. 2013. Anthropogenic inputs and consequences to bird-plant-predator interactions.
44. Program in Ecology, Evolution, and Conservation Biology, University of Illinois. 2013. Behavioral and population processes shaping bird communities in an urbanizing world.
45. Department of Natural Resources and Environment, University of Michigan. 2013. Behavioral and population processes shaping bird communities in an urbanizing world.
46. XXI Congreso Español y V Ibérico de Ornitología, 2012. Plenary: Demographic and behavioural drivers of avian responses to urbanization.
47. Center for Urban Environmental Research, University of Maryland, Baltimore. 2012. Linking pattern and process: behavioral and demographic drivers of avian responses to urbanization.
48. School of Environment and Natural Resources, The Ohio State University. 2012. High life in the city? Behavioral and population processes shaping avian conservation in an urbanizing world.
49. Integrative Ecology Group, Doñana Biological Station – CSIC, Sevilla, Spain. 2012. Demographic and behavioral drivers of avian responses to urbanization.

50. Department of Ecology, Evolution, and Conservation Biology, University of Nevada – Reno. 2011. Demographic and behavioral mechanisms that drive urban-associated changes in bird communities.
51. Department of Biology, Texas Tech University. 2011. Demographic and behavioral mechanisms that drive urban-associated changes in bird communities.
52. Department of Biological Sciences, Western Michigan University. 2011. Theodosia Hamilton Hadley Lecture in Ornithology - A bird's eye view of the city: Bird conservation in an urbanizing world.
53. Department of Biology, Case Western Reserve University, 2011. Understanding demographic and behavioral mechanisms that drive avian responses to urbanization.
54. Stone Laboratory, Ohio Sea Grant and Ohio State University, 2011. Bird conservation in an urbanizing world: are we winging it?
55. Department of Biological Sciences, Kansas State University, 2009. Understanding mechanisms that guide avian community responses to urbanization.
56. Universidad Nacional de Colombia, Medellin, Colombia, 2008. Mecanismos que determinan las respuestas de las aves a la urbanización.
57. Department of Natural Resources Conservation, University of Massachusetts – Amherst, 2008. Understanding mechanisms that guide avian community responses to urbanization.
58. Department of City and Regional Planning, The Ohio State University, 2008. Urban Flight: Understanding avian responses to urbanization.
59. Stone Laboratory Biological Field Station, The Ohio State University, 2007. A bird of two worlds: the challenge of conserving the Cerulean Warbler.
60. Department of Horticulture and Crop Science, The Ohio State University. 2006. Plant-mediated nest predation: can exotic plants thwart our efforts to conserve birds?
61. School of Natural Resources, University of Arizona. 2005. The importance of land uses within the landscape matrix: lessons from forested and fragmented landscapes. Invited as participant in series, "A Showcase of Promising Scientists in Natural Resources".
62. Department of Biological Sciences, University of Pittsburgh - Pymatuning Laboratory of Ecology. 2005. Conserving riparian forests in urbanizing landscapes.
63. Department of Natural Resources, Purdue University. 2005. The importance of shrubland habitat to early- and late-successional forest birds.
64. Ohio State University Research Foundation, The Ohio State University. 2005. Conserving Ohio's riparian forests: lessons from the birds.
65. Institute of Ecology, Department of the Sciences, The University of the Andes, Merida, Venezuela. 2005. La importancia de la matriz del paisaje para la avifauna del bosque.(The importance of the landscape matrix to forest bird communities).

66. Department of Zoology, Oklahoma State University. 2004. Avian community responses to an ever-changing landscape matrix.
67. Women in Science and Engineering (WISE) Institute, The Pennsylvania State University. 2004. How the WISE Institute helps to facilitate careers of women in science.
68. Department of Biological Sciences, University of Arkansas. 2003. The importance of the landscape matrix: lessons from forested and fragmented landscapes.
69. School of Natural Resources, The Ohio State University. 2003. The importance of land uses within the landscape matrix.
70. Department of Evolution, Ecology, and Organismal Biology, The Ohio State University. 2001. Influence of landscape composition on forest bird communities.
71. Annual Meeting of the Pennsylvania Society of Ornithology. 2001. Forested landscapes of Pennsylvania: the impacts of land uses on birds.

SCIENTIFIC OR CONFERENCE PRESENTATIONS (Not listed; Over 200 since 1994)

CONFERENCE ORGANIZATION:

Design and Application of Conservation Finance Models to Biodiversity, Conservation, Human Well-being and Sustainability, March 2018. University of British Columbia. ~110 attendees. With Peter Arcese.

Financing a Sustainable Future, Joseph & Rosalie Segal Centre, SFU Harbour Centre in downtown Vancouver. Event for finance community, investors, NGOs, and interested public. March 2018. ~70 attendees. With Peter Arcese.

ROUNDTABLE DISCUSSION:

Sarra, Stephenson, and Rodewald. 2020. Wall International Roundtable and Webinars: Developing Innovative Ideas for Moving to a Net Zero Carbon Economy in the Post-Pandemic Period. September 16-18.

Arcese, Rodewald, Sarra, and Tobin. 2018. Wall International Roundtable. Promise and Peril: Conservation Finance Models for Biodiversity Conservation, Well-Being and Sustainability. University of British Columbia. March 23-25.

Rodewald, A.D., P.P. Marra, K.L. Evans, L. Conole, and C.Suertegaray Fontana. 2010. Frontiers in urban ecology: moving from pattern to process. Organizers/Facilitators of a Roundtable Discussion Group at International Ornithological Congress, Brazil.

TEACHING

PHILOSOPHY:

I have been teaching at the university level since I first entered graduate school in 1993. Both my philosophy and approach continue to evolve as I develop as an educator. Over time, I have shifted my view from a teaching-focused to a learning-focused perspective. I understand that as an educator I must facilitate student learning by (1) using a variety of teaching techniques in order to engage students with different learning styles, (2) working actively and collaboratively with students both within and outside of the classroom, (3) instilling enthusiasm and the desire to learn in students through my own example, (4) creating a sense of community within the classroom that encourages open dialogue and learning, (5) promoting critical thinking and analysis through problem-solving and experiential learning activities, (6) stimulating self-discovery and reflection related to contemporary ecological and environmental issues, and (7) mentoring students in their professional aspirations.

COURSES TAUGHT:Undergraduate courses

Introduction to Conservation Biology. NTRES/EEB 2670. Biological, ecological, evolutionary, and social science principles that guide the conservation of biological diversity. Overview of threats to biodiversity, sustainable use, habitat management, ecological restoration, reserve design, landscape ecology, consumptive and non-consumptive use, adaptive management, and species recovery.

Conservation with Communities. NTRES 4940. Integration of life sciences, social sciences, medical sciences, and the humanities to explore the concept of “One Health”, the idea that the health of the environment, animals and people are all inextricably linked. Team-taught course.

Principles of wildlife ecology and management. ENR 623. Biological, ecological, and sociological concepts that serve as the foundation of wildlife management.

Research in avian ecology. ENR H231. Introduction to the scientific process and research methods as commonly applied to avian ecology studies.

Ecology and conservation of birds (at OSU Stone Laboratory). ENR 230. Field-based course that introduces students to avian ecology and conservation. Heavy emphasis on field identification and individual research projects.

Introduction to the study of birds (at OSU Stone Laboratory). EEOB 126. Avian evolution, biology, ecology, and conservation; research techniques used in avian studies; and identification of birds.

Introduction to forestry, fisheries, and wildlife. ENR 319. Introduction to the ecological and sociopolitical principles guiding management of fish, wildlife, and forests. Team-taught course.

Ornithology (Penn State). Avian evolution, physiology, morphology, biology, ecology, and conservation.

Graduate courses

Controversial Conservation Topics Seminar. NTRES 6940. Discuss & debate the science and public discourse surrounding controversial conservation topics; explore feedbacks among science, policy, management, and public perceptions. The four topics are: status of global fisheries, ecosystem reference baselines, monetization of nature, and conservation triage. Team-taught course.

Drafting a conservation blueprint: approaches for regional conservation planning. ENR 899.06. Conservation planning within the context of ecological and sociopolitical complexity (with Dr. Deni Porej, The Nature Conservancy).

Applied ecology and environmental policy in urbanizing communities. ENR 899. Address ecological and sociopolitical underpinnings of urban environmental policy and planning through a combination of lectures, discussions, and group projects. Team-taught course with group projects.

Managing wildlife metapopulations. ENR 894. Applying metapopulation and landscape ecology theory to wildlife management (with Dr. Scott Hull, Ohio Div of Wildlife).

Readings in landscape ecology. ENR 894. Principles, methods, and applications of landscape ecology.

Advanced wildlife ecology. ENR 894. Concepts in population, community, and landscape ecology related to wildlife conservation and management.

Graduate research colloquium. ENR 897. Forum to present graduate research proposals.

Research in natural resources. ENR 800. Seminar to introduce new graduate students to research.

Sustaining natural resources in a world of six billion (Penn State). Natural resource management and agricultural sustainability with an ever-increasing human population. Team taught

Laboratories

Principles of Wildlife Management, PSU

Wildlife Population Dynamics, PSU

General Biology, UA

General Ecology, UA

Global Online Course

- Lecture for *Environmental Education: Trans-disciplinary Approaches to Addressing Wicked Problems* (<http://www.globalee.net/>). 3300 enrolled. Spring 2016.

First-year Experience Seminars

- Birds & Beans: How your consumer choices about coffee affect bird conservation. 2010.

Non-university short courses or workshops for K-12 students

- Neotropical migratory birds, COSI Electronic Experts broadcast to schools across Ohio, 2004-2006.
- Techniques in wildlife research, WISE (Women in Science and Engineering) Camp at The Wilds.
- Population ecology, “*Expanding Your Horizons*” Conference for 7th-9th grade girls.
- Research approaches in wildlife ecology, Nittany Science Camp for Girls.

Courses for Professionals and Managers

- Coinstructor for *Curso Internacional de Campo: Ecología de Aves Migratorias Neotropicales* in San Vicente de Chucurí, Santander – Colombia from October 2008.
- Coinstructor, *Wildlife habitat management on golf courses*, Invited full-day workshop at Annual Conference of Golf Course Superintendents Association of America (GCSAA), New Orleans, 2009.
- Coinstructor, *Wildlife habitat management on golf courses*, Invited full-day workshop at Annual Conference of Golf Course Superintendents Association of America (GCSAA), San Diego, 2010.

GRADUATE STUDENT ADVISING:

Completed M.S. students

1. Kathi L. Borgmann, M.S. in Natural Resources. Fall 2002. Invasion of riparian forests by exotic shrubs: effects of landscape matrix and implications for breeding birds.
2. Marja H. Bakermans, M.S. in Natural Resources. Winter 2003. Hierarchical habitat selection in the Acadian Flycatcher: implications for conservation of riparian forests.

3. Kelly A. Atchison, M.S. in Environmental Science. Summer 2003. Community structure and behavior of wintering birds in riparian forests: relationships with landscape matrix, microclimate, and local habitat.
4. Andrew Vitz, M.S. in Natural Resources. Fall 2003. Habitat use of regenerating clearcuts by mature-forest birds during the post-breeding period.
5. Melissa J. Santiago, M.S. in Natural Resources. Winter 2004. Golf courses as habitat for an oak-savanna specialist: the Red-headed Woodpecker.
6. Lionel Leston, M.S. in Natural Resources. Summer 2005. Are urban riparian forests ecological traps for understory birds? Habitat selection by Northern Cardinals (*Cardinalis cardinalis*) in urbanizing landscapes.
7. Nancy Sundell-Turner, M.S. in Natural Resources. Fall 2006. Strategies to optimize conservation planning in urbanizing landscapes.
8. Bret Graves, M.S. in Natural Resources. Summer 2007. Grassland bird conservation on reclaimed surface mines: evaluating the influence of vegetation structure on distribution, nest placement, and nesting success.
9. Jennifer Smith-Castro, M.S. in Natural Resources. Winter 2008. Impacts of recreational trails on breeding birds in forested urban parks.
10. Felicity Newell, M.S. in Environment & Natural Resources. Spring 2010. A bird's eye view of the forest: how does canopy openness affect canopy songbirds?
11. Ian Ausprey, M.S. in Environment & Natural Resources. Spring 2010. Post-fledging ecology of two songbird species across a rural-to-urban landscape gradient.
12. Jennifer Thieme, M.S. in Environment & Natural Resources. Summer 2011. Behavioral and reproductive consequences of predator activity to grassland birds.
13. Benjamin Padilla, M.S. in Environment & Natural Resources. Avian metapopulations in an urbanizing landscape. Spring 2012.
14. Desiree Narango, M.S. in Environment & Natural Resources. Causes and consequences of urban-associated song variation: a study of vocal behavior in the Northern Cardinal (*Cardinalis cardinalis*) Spring 2012.
15. Linnea Rowse, M.S. in Environment & Natural Resources. Pathways and Consequences of Contaminant Flux to Acadian Flycatchers (*Empidonax virescens*) in Urbanizing Landscapes of Ohio, USA. Summer 2013.
16. Gemara Gifford, M.S. in Natural Resources, Cornell University. Agroecosystems for communities and conservation: linking bird conservation and sustainable livelihoods in the Highlands of Guatemala. Fall 2015.
17. Rose Swift, M.S. in Natural Resources, Cornell University. Nest site selection in Hudsonian Godwits: effects of habitat and predation risk. Fall 2015.
18. Steven Sevillano. M.S. in Natural Resources, Cornell University. Diversity, ecology, and conservation of bird communities of *Polylepis* woodlands in the High Andes of Peru. Spring 2016.

Completed PhD students

1. Marja Bakermans, Ph.D. in Natural Resources. Spring 2008. Demography and habitat use of Cerulean Warblers on breeding and wintering grounds.
2. Sarah Lehnen, Ph.D. in Natural Resources. Spring 2008. An evaluation of survivorship and habitat use of early-successional birds during the breeding season: implications for conservation.
3. Andrew Vitz, Ph.D. in Natural Resources. Spring 2008. Survivorship, habitat use, and movements for two species of mature forest birds during the post-fledging period.
4. Daniel P. Shustack, Ph.D. in Natural Resources. Summer 2008. Reproductive timing of passerines in urbanizing landscapes.
5. Gabriel Colorado, Ph.D. in Environment & Natural Resources. Fall 2010. Ecology and conservation of Neotropical-Nearctic migratory birds and mixed-species flocks in the Andes.

6. Laura Kearns, Ph.D. in Environment & Natural Resources. Avian responses to predator communities in fragmented, urbanizing landscapes. Spring 2012.
7. Molly McDermott, Ph.D. in Environment & Natural Resources, Ohio State University. The Contribution of Agroforestry Systems to Bird Conservation in the Andes. Spring 2014.
8. Jennifer Malpass, Ph.D. in Environment & Natural Resources, Ohio State University. Effects of Food and Vegetation on Breeding Birds and Nest Predators in the Suburban Matrix. Fall 2015.
9. Rose Swift, Ph.D. in Natural Resources, Cornell University. A world of decisions: how choices throughout the annual cycle affect survival, condition, and performance of a migratory shorebird. Spring 2018.
10. Ruth Bennett, Ph.D. in Natural Resources, Cornell University. Nonbreeding ecology and conservation of migratory landbirds with a focus on the Golden-winged Warbler (*Vermivora chrysoptera*). Summer 2018.
11. DJ McNeil, Ph.D. in Natural Resources, Cornell University. Population dynamics of species recovery: multiscale demography in restored habitats. Spring 2019.
12. Gerardo Soto, Ph.D. in Natural Resources, Cornell University. Multi-scale influence of habitat and disturbance on the spatial ecology of Magellanic Woodpeckers (*Campephilus magellanicus*). Fall 2019.
13. Steven Sevillano, Ph.D. in Natural Resources, Cornell University. Habitat loss, fragmentation, and climatic drivers of avian diversity across the Andes and implications for climate change. Spring 2020.
14. Bryant Dossman, Ph.D. in Natural Resources, Cornell University. Endogenous and exogenous factors influencing the movement and migratory behaviors of a wintering songbird. August 2021.
15. Josephine Martell, Ph.D. in Natural Resources, Cornell University. Leveraging message frames, emotions, and values to enhance communication and influence conservation behavior. May 2022.
16. Anna Lello-Smith, Ph.D. in Natural Resources, Cornell University. Assessing and improving biodiversity outcomes for tropical forest restoration. December 2022.
17. Rachel Neugarten, Ph.D. in Natural Resources, Cornell University. Improving conservation impact through priority-setting and evaluation. December 2023.

Current

1. Leah Crenshaw, Ph.D. in Natural Resources, Cornell University

Post-doctoral fellows

- Eric Wood
 - Alexander Lees
 - Orin Robinson (co-supervise with Viviana Ruiz Gutierrez)
 - Camila Gomez (co-supervise with Viviana Ruiz Gutierrez)
 - Gemma Clucas (co-supervise with Irby Lovette)
 - Josée Rousseau (co-supervise with Ali Johnston)
 - Chen-Ti Chen (co-supervise with Ivan Rudik, Ali Johnston, Cathy Kling)
 - Michela Corsini
 - Allison Binley
- Advisor to undergraduate wildlife majors in School of Environment and Natural Resources at Ohio State (2000-2013) and in Environmental and Sustainability Sciences at Cornell (2013 to present).
 - Advisor to Ohio State Chapter of Roots and Shoots, 2004-2006.
 - Co-advisor to Student Chapter of The Wildlife Society, The Ohio State University, 2001-2004.

OUTREACH AND ENGAGEMENT

PHILOSOPHY:

Conservation has been practiced for decades, yet biodiversity continues to be lost at alarming rates. Our record of conservation accomplishment lags, in part because the best science is not always applied to the problems we face. We must close the gap between science and decision-making if we are to effectively address global challenges and get the best return on our conservation investments. As an ecologist and conservation biologist, I advocate for the use of science in planning, policy, and decision-making processes, and I seek ways to engage the various players in productive discourse to promote a shared understanding of issues, problems, and solutions. My approach is to work collaboratively with decision-makers, communities of practitioners, the private sector, and the public with the goals of bringing science into the decision-making process, developing approaches that are sensitive to both social and environmental needs, and achieving mutually beneficial outcomes.

REPRESENTATIVE OUTREACH ACTIVITIES

(>230 outreach programs and/or presentations since 2000)

Selected film, radio, and podcasts:

- CBC Radio, 2024. Red alert for migratory birds.
- Iowa Public Radio Talk of Iowa, 2023. A wide-ranging conversation about birds, conservation, balancing social and ecological needs, and urban ecology.
<https://www.iowapublicradio.org/podcast/talk-of-iowa/2023-10-20/urban-predator-prey-interactions-city-birds-errington-isu>
- NPR Science Friday, 2022. The Joy And Sadness Of Bird Counting.
<https://www.sciencefriday.com/segments/christmas-bird-count/>
- Wildlife and Wilderness. 2022. The state of birds in the US.
<https://kgvm.org/program/wilderness-and-wildlife/>
- Proceedings of the National Academies of Science Podcast. 2021. Hazards of ozone pollution to birds. Jan 4. <https://www.pnas.org/page/media/podcasts>
- New Jersey Audubon Podcast. 2020. Coffee and Conservation: The story of bird friendly coffee. Episode 12. <https://njudubon.org/coffee/>
- Vox Media. 2019. The goose that conquered America.
https://www.youtube.com/watch?v=eUkel_JkArU
- WORT Wisconsin Community Radio – 8 O’Clock Buzz. 2019. <https://www.wortfm.org/news-talk/talk/8-oclock-buzz/> (April 22)
- Conserving birds through coffee. 2019. Worldview Radio Program, Chicago.
<https://www.wbez.org/shows/worldview/why-our-migratory-birds-winter-at-coffee-farms/f6acb02d-572d-4f15-8736-fa263e839b78>
- Behind Trumps Energy Dominance. 2018. Reveal News.
<https://www.revealnews.org/episodes/behind-trumps-energy-dominance/>
- Conservation and the Farm Bill. 2018. Cornell Cooperative Extension Podcast.
<https://soundcloud.com/user-666322059/extension-out-loud>
- Radical collaborations. 2017. Cornell University.
https://www.youtube.com/watch?v=CvwHtl_-2pI
- Conservation Science & Shade Coffee. 2017. Cornell Lab of Ornithology.
<https://www.youtube.com/watch?v=b9fZRPgl0tE>

- Accelerating the speed of scientific discovery! 2016. Microsoft Education
<https://www.youtube.com/watch?v=OHiI8DjPCY&feature=youtu.be>
- Shade-Grown Coffee Sustains Songbirds and People Alike. 2016. Cornell Lab of Ornithology. Two embedded short films at <https://www.allaboutbirds.org/in-colombia-shade-grown-coffee-sustains-songbirds-and-people-alike/>
 - Bird Research and Shade-grown Coffee
 - Economics of Sustainable Coffee
- Conserving migratory birds. Worldview. WBEZ Chicago radio. 2016.
<https://www.wbez.org/shows/worldview/survival-threats-faced-by-migratory-birds/a2b5b5bf-6a16-4867-bc0d-4f21f0069668>
- Birds vs. Cats. How on Earth science show, KGNU radio Boulder/Denver. 2015.
<http://howonearthradio.org/?s=Rodewald>
- Interviews with a wide variety of media outlets, including NPR, Washington Post, CBC, Science, USA TODAY, Reveal – Center for Investigative Reporting, Science Daily, Scientific American, National Geographic, Smithsonian Magazine, Science Times, Bloomberg News, Houston Chronicle, Columbus Dispatch, Plain Dealer, InsideClimate News, Deutsche Welle, Press Herald, Knoxville News Sentinel, Scienceline, Salon, Popular Science, Sierra Magazine,

Invited keynotes or presentations for practitioner or public audiences:

- U.S. Fish and Wildlife Service, A Multi-Sector Summit to Address Light Pollution and Bird Collisions. 2024. Plenary: *More than a wing and a prayer*.
- Forever Maryland and Rural Maryland Council Webinar Series. 2023. *What will it take to restore Maryland's most iconic species?*
- Ithaca Natural Landscaping Symposium plenary and distance education program for NY Upstate Chapter of the American Society of Landscape Architects. 2022. *Making your cup count*.
- Pilchuck Audubon Society, Annual fundraiser keynote, 2021. *Making Your Cup Count: How coffee can fuel migratory bird conservation in the tropics*
- Robert H. Jackson Center and the Roger Tory Peterson Institute, 2021. Panelist in conversation about environmental laws and species conservation.
- Walmart Produce Sustainability Summit, 2021. Panelist for release of their pollinator policy.
- The Sustainability Consortium annual conference, 2021. Keynote - Sustainability takes flight.
- Nestlé Coffee Seminar – a weeklong international conference. 2021. Spotlight on regenerative agriculture and coffee. Short film and panel.
- Mercer Advisors, Annual client dinner. 2020. *Making Your Cup Count: How coffee can fuel migratory bird conservation in the tropics*. Rochester, NY.
- Cape May Fall Birding Festival Keynote Address. 2019. *Making Your Cup Count: How coffee can fuel migratory bird conservation in the tropics*. Cape May, NJ.
- Compelling Voices in Birding and Conservation Series – Colombia coffee, birds, and a community conservation story. 2019. Chicago Audubon Society, Chicago Ornithological Society, and Peggy Notebaert Nature Museum.
- Birds on Dynamic Boundaries Series, Alaska Public Lands Information Center. 2019. *Coffee and bird conservation: your cup can make a difference*. Anchorage, Alaska.
- Coffee, communities, and conservation: how your cup can make a difference. 2018. Bridger Raptor Festival Keynote Presentation, Bozeman, Montana.
- Coffee, communities, and conservation: how your cup can make a difference. 2018. Presented to two Cornell Alumni Clubs in Sarasota and Naples, Florida
- In the thick of it: how invasive shrubs affect breeding birds. Cayuga Bird Club. 2017.
- Birds & beans: coffee's role in conservation. Ithaca Garden Club. 2017.

- Coffee, Communities, and Conservation. President's Circle event at New York City Center. 2017 (Cornell's premier fundraising event)
- Aves, Carreras Profesionales, y Conservación Workshop, NY. 2016. *Café y aves: cómo el café puede contribuir a la conservación.*
- BirdSleuth workshop for teachers, Jardin, Colombia. 2016. *Café y aves: cómo el café puede contribuir a la conservación.*
- Salish Sea Bird Symposium, 2015. *eBird as a conservation tool.*
- Lorain County High School Day at Ashland University, 2014. *Birds and beans: how your cup of coffee can make a difference.*
- Copper County Audubon Club, 2013. *A bird of two worlds: the challenge of conserving the Cerulean Warbler.*
- The Biggest Week in American Birding Festival, 2013. Evening Keynote: *Singing the blues: the plight of the Cerulean Warbler.*
- Kentucky Ornithological Society Spring Meeting, 2013. Keynote: *Singing the blues: the plight of the Cerulean Warbler.*
- Cornell Lab of Ornithology – Monday night seminar series, 2013. *A bird of two worlds: the challenge of conserving the Cerulean Warbler.*
- Holden Arboretum, Spring Scientist Series, 2011. *Fragmentation and the fate of forest interior birds: keeping a big picture perspective in a small-patch world.* (~75 attendees)
- Seventh-Annual Conservation Symposium at The Cleveland Museum of Natural History, 2010. *A bird's eye view of the city: Bird conservation in an urbanizing world.* (~200 attendees)
- Midwest Birding Symposium, 2009. *Singing the blues: the challenge of conserving the Cerulean Warbler.* (~300 attendees)
- Ohio Wildlife Diversity Conference, 2009. *Singing the blues: the plight of the Cerulean Warbler.* (~800 attendees)
- Black River Audubon Society, 2009. *A bird of two worlds: the challenge of conserving the Cerulean Warbler.* (~40 attendees)
- Columbus Natural History Society, 2008. *A bird of two worlds: the challenge of conserving the Cerulean Warbler.* (~50 attendees)
- Delaware Bird Club, 2006. *Conserving early and late successional birds in Ohio.* (~30 attendees)
- Ohio Bird Banding Association, 2006. *Balancing the needs of early and late successional birds.* (~40 attendees)
- Ohio Horticultural Society, *Wildlife-friendly gardening and landscaping.* 2005. (~30 attendees)
- Ohio Wildlife Diversity Conference, 2004. *Protecting Ohio's riparian forest wildlife.* (~500 attendees)
- Simply Living Conference, 2002 and 2001. *Go Wild: attracting birds, bees, and butterflies to your backyard.* (~100 attendees in 2002, 75 in 2001)

Invited talks or workshops for conservation initiatives:

- Birders' Rally for Recovering America's Wildlife Act. 2023 and 2022. Organized by National Wildlife Federation.
- Lab of Ornithology Webinar. 2021. *A conversation about shade-coffee and birds.* (1600 registered plus >13,000 Facebook Livestream views)
- Mainstreaming Bird Conservation Webinar, World Resources Institute 20x20 Initiative – Biodiversity Task Force. 2020. *Using birds to measuring impact of restoration.*
- Bird Friendly Coalition Workshop, facilitator. Smithsonian Migratory Bird Center. 2020.
- Legislative briefing, Bird Conservation Alliance, 2019. *Declines in migratory bird populations.* (~200 attendees)

- Conservation in Action panel at National Geographic's DC headquarters for the Year of the Bird. 2018. Other panelists included President of National Audubon Society, CEO of BirdLife International, and Chief Scientist for National Geographic. <https://livestream.com/accounts/19771815/events/8040439>
- Trilateral Committee for Wildlife and Ecosystem Conservation and Management, Annual Meeting in Ottawa, Canada. 2016. *Strategic conservation of migratory birds*. (~300 attendees)
- Ohio Biodiversity Conservation Partnership meeting, 2012. *Linking science and management to conserve Ohio's forest birds*. (~50 attendees)
- Ohio Ornithological Society Conservation Conference, 2007. *A bird of two worlds: the challenge of conserving the Cerulean Warbler*. (~150 attendees)
- Ohio Avian Ecology and Conservation Conference, 2007. *Towards a mechanistic understanding of urban-associated changes in bird communities*. (~200 attendees)
- Ohio Audubon Assembly, 2005. *Conserving Ohio's riparian forests: lessons from the birds*. (~200 attendees)
- Northeast Ohio Forest Bird Conservation Workshop (through Ohio BCI), 2005. *Challenges and opportunities for forest bird conservation in Northeast Ohio*. (~150 attendees)
- Ohio Bird Conservation Initiative Workshop, 2004. *Conserving Ohio's forest birds*. (~100 attendees)
- Ohio Avian Ecology and Conservation Conference, 2003. *Shrubland birds of Ohio*. (~150 attendees)
- Ohio Avian Ecology and Conservation Conference, 2001. *Influence of landscape composition, microhabitat, and biotic interactions on avian nesting success*. (~250 attendees)

Invited talks for land managers and natural resource professionals:

- Redamerica por las aves. Panel Virtual "Aves, Conservación y Políticas Publicas. 2018. *Café y aves: cómo el café puede contribuir a la conservación*
- Making better conservation decisions in British Columbia. Vancouver, BC. 2015. *Prioritizing conservation in the coastal Douglas fir zone: making strategic investments*. (Arcese, Schuster, & Rodewald).
- Conservation Connections Forum organized by Habitat Acquisition Trust of BC. Vancouver Island, BC. 2015. *Strategic conservation in dynamic & incentive-based systems*.
- Workshop for Cross-boundary planning for resilience & restoration of endangered oak savannah and coastal Douglas-fir forest ecosystems. Friday Harbor, WA. 2015. *eBird as a conservation tool*.
- Ohio Fish and Wildlife Presentation Series, 2014. *Managing forest birds*. (A webinar with ~40 attendees)
- Annual Meeting of Ohio Society of American Foresters, 2011. *Integrating management for oak regeneration and forest bird conservation*. (~100 attendees)
- Five Rivers Metropark Trails Symposium, 2011. *Impacts of trails on wildlife*. (~100 attendees)
- Annual Conference of Golf Course Superintendents Association of America (GCSAA), *Wildlife habitat management on golf courses*, Invited full-day workshop, San Diego, 2010. (~50 participants)
- Annual Conference of Golf Course Superintendents Association of America (GCSAA), *Wildlife habitat management on golf courses*, Invited full-day workshop, New Orleans, 2009. (~75 participants)
- Ecological Landscaping Conference, 2007. *Population and behavioral responses of birds to urbanization*. (~300 attendees)
- Midwest Deer and Turkey Biologists Meeting, 2007. *Balancing the needs of early- and late-successional species in forested landscapes*. (~75 attendees)
- Annual Meeting of Ohio Society of American Foresters, 2007. *An opportunity in disguise: can conservation of Cerulean Warblers help us to restore Appalachian oak forests?* (~100 attendees)

- Annual Meeting of Ohio Society of American Foresters, 2006. *Silvicultural impacts on forest birds*. (~75 attendees)
- Statewide conference for natural resource professionals and land managers, 2003. *Natural resource management and wildlife habitat enhancement on public open spaces* (85 paid registrants; conference organizer and presenter).
- Ohio Parks and Recreation Association, Annual Conference, 2003. *Developing and implementing wildlife habitat enhancement plans*. (workshop organizer and presenter; ~75 attendees).
- Watershed Coalitions, 2002-2004. *Riparian forest wildlife*. Various locations in Ohio. (~30-50 attendees)
- Ohio Watershed Leaders Workshop, 2003. *Riparian forest wildlife*. (~35 attendees)
- Ohio Department of Natural Resources Seminar Series, 2003. *Forest management and Ohio's wildlife*. 2003. (~25 attendees)
- Ohio Department of Natural Resources – Division of Wildlife District Meetings, 2002-2003. *Managing for riparian forest birds*. (~30-60 attendees)
- Ohio Turfgrass Foundation Conference, 2002. *Creating wildlife habitats*. (~100 attendees)

Invited talks for private forest landowners:

- Eastern Ohio Forest Wildlife Conference, *Managing for forest songbirds*. 2001-2003. (~100 attendees)
- Ohio Woodland Stewards Program, *Incorporating wildlife needs into forest management plans and Wildlife habitat walk*. Various locations throughout Ohio, 2000-2004. (~25-50 attendees in each program)
- Ohio Woodland Stewards Program, 2003. *Exploring your forest*. (~100 attendees)
- Annual Meeting of the Ohio Woodland Owners' Association, *Forest fragmentation and Ohio's wildlife*, 2001. (~100 attendees)
- Woodland Owners Interest Groups (located throughout Ohio), *Incorporating wildlife needs into forest management plans and Managing forest wildlife*, 2001-2003. (~25-50 attendees per program)
- Capital Live, Alabama Forest Owners' Association, Inc. Live News Conference, *How do agricultural and silvicultural openings affect forest wildlife?* 2002.