

JENNIFER (JEN) C. OWEN
Department of Fisheries and Wildlife
College of Agriculture and Natural Resources
Michigan State University

PROFESSIONAL POSITIONS – MICHIGAN STATE UNIVERSITY

Associate Chair of Research, Michigan State University, Department of Fisheries and Wildlife. 2021 – present.

Center Director, Michigan State University, Corey Marsh Ecological Research Center. 2018 – present.

Director, Michigan State Bird Observatory. 2014 – present

Associate Professor, Michigan State University, Department of Fisheries and Wildlife, 2021 - present

Associate Professor, Michigan State University, Department of Fisheries and Wildlife, College of Agriculture and Natural Resources and Large Animal Clinical Sciences, College of Veterinary Medicine. 2014 – 2021

Assistant Professor, Michigan State University, Departments of Fisheries and Wildlife (75%, College of Agriculture and Natural Resources) and Large Animal Clinical Sciences (25%, College of Veterinary Medicine). 2008 – 2014.

EDUCATION

Doctor of Philosophy. 2004. Environmental Science, Department of Biological Sciences, University of Southern Mississippi, Hattiesburg, Mississippi. Advisor: Dr. Frank R. Moore

Bachelor of Science. 1993. Wildlife Biology, School of Forestry, University of Montana, Missoula, Montana

AWARDS & RECOGNITION

Peter Steinheim Service Award, American Ornithological Society, 2024

Camden Teaching Award, College of Agriculture and Natural Resources, 2021

Lead21 Class 13 Leadership Training Program 2017 – 2018. Invited to participate by Michigan State University College of Agriculture and Natural Resources, selected to participate from a national applicant pool.

National Science Foundation Early Career Development (CAREER) Award, 2014

American Ornithologists' Union Elective Fellow, 2014

James D. Hoeschele Excellence in Teaching Award, Center for Integrative Studies in General Science, 2010

American Ornithologists' Union Elective Member, 2009

LEADERSHIP EXPERIENCES

- **Strategic Planning & Implementation:** Led the 5-year strategic plan for Corey Marsh Ecological Research Center with funding awarded by National Science Foundation. With the help of a professional facilitator, and a 15-person planning committee, we created a 5-year strategic plan. Currently, I am leading the implementation of the strategic plan 2024 – present.
- **Training scientists in Ukraine, Georgia, and Jordan.** I am the lead PI on a DOD DTRA funded project for building capacity for surveillance of avian pathogens along the Black Sea-Mediterranean Flyway. We train scientists in field-based and laboratory-based techniques as well as training in conducting and publishing research. Further, we are working to build better communication between scientists between countries and foster collaborations. The project has provided experience navigating conducting large-scale research in the midst of war, political unrest, and a pandemic.
- **Leading effort to build mutually beneficial partnerships with local Indigenous communities at Corey Marsh** through brainstorming sessions facilitated by Tribal members and individual engagement.
- **Chair of the FW Department Chair Search Committee.** Led the first successful search since 2002 for a department chair for the Department of Fisheries and Wildlife.
- **Associate Chair of Research for the Department of Fisheries and Wildlife.** Serve on the leadership team for Fisheries and Wildlife with the Chair and Associate Chair of Academic Programs. My 30% appointment is mainly focused on developing strategies to optimize space for faculty, students, and staff. I develop processes in the department to lower transaction costs for faculty and students and promote a more inclusive and equitable culture.
- **Chair Investing Trustees Committee** for American Ornithological Society. I took over this role when John Fitzpatrick stepped down as Chair after many years of service. Additionally, I serve in many other capacities for the AOS, which was recognized with an award the **Peter Steinheim Service Award** in 2024.
- **Led the repurposing of land and the creation of a new ecological field station** – Corey Marsh Ecological Research Center, 2018 – present. Pitched the idea in 2018 to repurpose land set to be sold to create an ecological

field station in the vision of land grant institution that integrated ecosystem science research, experiential learning, and community engagement.

- **Sustaining Biological Infrastructure Leadership Training Program** led by Ecological Society of America and sponsored by National Science Foundation. Applied and accepted into the program to provide skills to build a new ecological research center at Michigan State University. 2019
- **Lead21 Leadership Training Program.** 2017 – 2018. Invited to participate by Michigan State University College of Agriculture and Natural Resources; selected to participate from a national applicant pool.
- **Director of the Michigan State Bird Observatory (MSBO, <https://www.burkelakebanding.com/>).** I began a bird banding program during fall migration in 2012 and it led to us becoming the MSBO, operating two migratory bird banding stations, and offering outreach programs to thousands of people throughout the year. We are one of the few stations to be completely open to the public and we are gaining a national reputation for our ability to connect people to nature with birds.
- **Chair of the local organizing committee for the 2017 joint annual meeting** of the American Ornithological Society and the Society of Canadian Ornithologists.

FUNDING

2024 (\$258,085)

Midwest Climate Adaptation Science Center, in partnership with Michigan State University. 2025-2027. Critical knowledge gaps in climate change: Risks to wetlands and wetland ecosystem services in the Midwest, synthesis project. \$160,000 (**Owen, PI**, Co-PIs Burrow, Wessell, Hall)

Gifts from private donors to support the Michigan State Bird Observatory, \$19,910, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, \$16,925, **Owen (PI)**

Mackinac Straits Raptor Watch. 2024 – 2025. Red-tailed Hawk Migration in the Straits of Mackinac. \$35,250, **Owen (PI)**

Hal & Jean Glassen Memorial Foundation. 2024 – 2026, Corey Marsh Ecological Research Center Summer

Undergraduate Research Program. \$36,000, **Owen (PI)**

Michigan Department of Natural Resources. 2024 – 2025. Michigan State Bird Observatory and Corey Marsh Ecological Research Center Support. \$30,000, **Owen (PI)**

2023 (\$115,684)

National Science Foundation, FSML: Field Stations and Marine Laboratories Program. 2022 -2024. Planning the future of Corey Marsh Ecological Research Center. **\$24, 951, Owen (PI)**, Warwick (co-PI), Rivera (co-PI)

Michigan Department of Natural Resources. 2023 – 2024. Michigan State Bird Observatory Support. \$10,000, **Owen (PI)**

TC Energy Foundation. 2024 – 2025. Unraveling the migration of Red-tailed Hawks in the Great Lakes Region. \$45, 121 **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, \$19,910, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, \$16,925, **Owen (PI)**

2022 (\$49,812)

Michigan Department of Natural Resources. 2022 – 2023. Michigan State Bird Observatory Support. \$10,000, **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2022. \$21,688, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, 2022. \$18,124, **Owen (PI)**

2021 (\$2,790,394)

Defense Threat Reduction Agency. 2021 – 2027. The Mediterranean and Black Sea Flyway: Transboundary Determinants of Avian Zoonotic Infectious Diseases – Avian Zoonotic Disease Network (AZDN). \$2,725,590 Y1 – Y3 (\$4,494,830 with Y4 and Y5). **Owen (PI), Tsao (Co-PI)**

Enbridge Energy. 2025. Red-tailed Hawk Migration in the Straits of Mackinac. \$25,000. **Owen (PI)**

Michigan Department of Natural Resources. 2021 – 2022. Michigan State Bird Observatory Support. \$10,000, **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2021. \$13,154, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, 2021. \$16,650, **Owen (PI)**

MSU's Creating Inclusive Excellence Grants. Strengthening the role of scientific literacy to address social injustice in times of public health crises. \$15,000. Vergara (PI), Lund (co-PI), Miller (co-PI), Ording (co-PI), and Owen (co-PI).

2020 (\$416,879)

US Geological Survey. 2020-2024. Research Management and Communication Pertaining to Conservation Genetics and Biodiversity of Aquatic Species within the Great Lakes Basin. \$394,052. **Owen, PI**

Gifts from private donors to support the Michigan State Bird Observatory, \$18,277, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, \$4,550, **Owen (PI)**

2019 (\$58,830)

Michigan Humanities Council. 2019 – 2021. Storied Landscapes: Bridging Ecological and Oral Histories on the Corey Marsh Interpretive Trail. \$10,728. **Owen (PI)**, Goralnik (co-PI), Norris (co-PI), Wright (co-PI)

Gifts from private donors to support the Michigan State Bird Observatory, \$30,487, **Owen (PI)**

Gifts from private donors to support Corey Marsh Ecological Research Center, \$17,615, **Owen (PI)**

MSU's College of Agriculture and Natural Resources Microgrant. Support for Sustaining Biological Infrastructure Leadership course. \$10,000.

2018 (\$62,420)

Michigan Department of Natural Resources. 2018 - 2019. Michigan State Bird Observatory Support. \$10,000, **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2018. \$22,420, **Owen (PI)**

Internal funding (AgBioResearch and Office of the Vice President for Research and Innovation). West Nile virus research in BSL 3 Facility in New York. 2018. \$30,000, **Owen (PI)**

2017 (\$92, 708)

Michigan Department of Natural Resources. 2017 – 2018. Michigan State Bird Observatory Support. \$10,000, **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2021. \$7,708, **Owen (PI)**

Internal funding (Michigan State University Extension). Michigan State Bird Observatory Support. \$30,000, **Owen (PI)**.

Internal funding (Department of Fisheries and Wildlife). Michigan State Bird Observatory Support. \$15,000, **Owen (PI)**.

Internal funding (AgBioResearch). Michigan State Bird Observatory Support. \$30,000, **Owen (PI)**.

2016

University of Wisconsin. 2016 – 2022. The Upper Midwestern Regional Center of Excellence in Vector-Borne Disease \$1,434,833. Walker (PI), Tsao (PI), **Owen (co-PI; 5%)**

Gifts from private donors to support the Michigan State Bird Observatory, 2021. \$6,632, **Owen (PI)**

2015 (\$16,723)

Michigan Department of Natural Resources. 2015 – 2016. Michigan State Bird Observatory Support. \$5,000, **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2021. \$11,723, **Owen (PI)**

2014 (\$916,726)

National Science Foundation. 2014 – 2021. CAREER: Intraspecific variation in pathogen load in virus-infected birds: role of extrinsic and intrinsic factors. \$907,000. **Owen (PI)**

Gifts from private donors to support the Michigan State Bird Observatory, 2021. \$9,726, **Owen (PI)**

FUNDING PRIOR TO 2014

- US Fish and Wildlife Service Migratory Bird Conservation in Midwest Grant. Health and fitness consequences of using non-native dominated habitats during migratory stopover. App: 12202; Amount: \$39,935 (2012) and \$40,639 (2013); Lead PI: Owen, J.C. Co-PI: R. Smith (University of Scranton)
- US Fish and Wildlife Service Joint Venture Program Grants. Habitat use by spring migrating landbirds within the Great Lakes basin with special emphasis on shoreline habitats. App: 122022; Amount: \$29,192; Lead PI: Smith, R.. Co-PIs: J.C. Owen and J. Buler
- MSU AgBio Research Hatch Funds. Measuring Migratory Restlessness in Waterfowl. Amount: \$15,000; Lead PI: Owen, J.C.
- US Department of Agriculture, APHIS, Veterinary Services. Fish and wildlife health steering committee. App: 118312; Amount: \$20,000; Lead PI: Owen, J.C. Co-PI: J. Burroughs
- MI Department of Natural Resources. Support for the Association of Fish and Wildlife Agencies Fish and Wildlife Health Committee. App: 116094; Amount: \$10,000; Lead PI: Burroughs, J. Co-PI: Owen, J.C.
- Berryman Institute, Mississippi State University. Disease and Intercolonial Movement Ecology of Double-crested Cormorants. App: 114905; Amount: \$15,150; Lead PI: Owen, J.C.

- US Department of Agriculture, APHIS, Veterinary Services, Mississippi State University. Disease and Intercolonial Movement Ecology of Double-Crested Cormorants nesting in southern Ontario Canada and Michigan USA. App: 115863; Amount: \$49,994; Lead PI: Owen, J.C. Co-PI: R. Minnis
- College of Veterinary Medicine Endowed Research Funds. Investigating differences in host competence for *Borrelia burgdorferi* in two species of passerine birds, American Robin (*Turdus migratorius*) and Gray Catbird (*Dumetella carolinensis*). Amount: \$10,000; Lead PI: Owen, J.C. Co-PI: J. Tsao
- US Department of Agriculture, APHIS, Veterinary Services. Avian Influenza, Newcastle disease, Exotic Newcastle Disease and Avian Cholera in Double-crested Cormorants. App: 107588; Amount: \$95,225; Lead PI: Owen, J.C. Co-PI: R. Minnis.

PRESS AND MEDIA

- *Delineated when coverage was about Corey Marsh Ecological Research Center specifically (CMERC Coverage).*
- *Studies from Michigan State Bird Observatory data that were in the media are listed as “MSBO Research covered”*
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- MSBO Research covered in, “Social or solitary? The secret lives of migratory songbirds” National Public Radio, On the Record, September 13, 2024, Ashley Sterner, Sheilah Kast, Maureen Harvie
- MSBO Research covered in, “Do birds have migration buddies? A new study shows surprising connections between species” National Geographic, September 9, 2024,
- MSBO Research covered in, “A New Study Reveals Migration Isn’t a Solo Affair—It’s the Social Event of the Season” National Audubon Magazine, August 26, 2024, Benjamin Hack
- MSBO Research covered in, “Bird migration is influenced by social relationships” Earth.com, August 19, 2024, Sanjana Gajbhiye
- Owen quoted in, “Birds in Great Lakes, elsewhere in peril: ‘We need to pay attention’”, Bridge Michigan, MI Environment Watch. May 28, 2024, Lester Graham.
- Owen quoted in, “The Bird Connection: Change and decline in our world, Part 1 – Disease”, Michigan Public Radio, May 28, 2024, Lester Graham and Rebecca Williams
- CMERC Coverage in, “New facilities and grounds coordinator named at MSU Corey Marsh Ecological Research Center” November 12, 2024, MSU Today, Michigan State University, Cameron Rudolph
- CMERC Coverage in, “All the world’s a stage: Theater project in Michigan marsh aims to promote conservation”, Great Lakes Echo, September 24, 2024, Daniel Schoenherr
- Owen Coverage in, Owen honored by American Ornithological Society, Ecology, Evolution, and Behavior, Michigan State University, August 30, 2024
- CMERC Coverage in, “Corey Marsh Ecological Research Center hosts Fall Research Symposium”, October 17, 2023
- CMERC Coverage in, “2023 Winged Wonders Camp Day 2”, Michigan State University Extension, July 17, 2023, Samantha Price
- CMERC Coverage in, “Bringing Indigenous wild rice research closer to campus”, MSU Today, August 19, 2022,
- Liam Boylan-Pett
- MSBO Coverage in, “To Experience Migration in a New Way, Check Out a Bird Banding Station”, National Audubon Magazine, Spring 2022, Jenny McKee
- CMERC Coverage in, New trail makes nature more accessible at the MSU Corey Marsh Ecological Research Center, Michigan State University AgBioResearch, August 25, 2021
- Owen Coverage in, “Student-led bird banding innovation spearheads continuation of data collection despite COVID-19”, Michigan Farm News, March 18, 2021
- Owen Coverage in, “MSU researchers to study diseases in migrating birds”, [WLNS](#), Dec 24, 2020, James McKinnie
- Owen Coverage in, “MSU researchers part of \$4.4 million grant to examine spread of infectious disease”, Fox News, Dec 24, 2020,
- Owen Coverage in, “MSU researchers’ part of \$4.4 million grant to examine spread of infectious disease by migratory birds”, Michigan State University, December 17, 2020, Cameron Rudolph
- CMERC Coverage in, Citizen science bioblitz events evolve during novel coronavirus pandemic, Michigan State University AgBioResearch, November 30, 2020
- Owen quoted in, “Migratory Birds Like Native Berries Best” National Audubon Magazine, June 12, 2020, Priyanka Runwal.
- CMERC Coverage in, “New MSU research center focusing on natural resources”, Michigan State University AgBioResearch, February 1, 2020

- Owen and CMERC Coverage in Taking flight: New MSU research center to focus on natural resources research and outreach, Nov 26, 2018
- Owen quoted in, "Pelicans flocking to Michigan's Pointe Mouillee as population grows" Detroit Free Press, May 27, 2018, Hasan Dudar
- Owen Coverage in, Jen Owen: Birds in the Anthropocene, MSU Today, July 5, 2017
- Owen Coverage in, "MSU researcher receives NSF CAREER award to study disease spread". MSU Today, April 30, 2014

PUBLICATIONS

(* graduate or veterinary students, ** undergraduate students, ° project PI and/or corresponding author). Note: Authorship in my field typically has lead author first and the last author is considered secondary, corresponding, or project PI.

Books

1. **Owen, J. C.,** D. M. Hawley and K. P. Huyvaert, Eds. (2021). Infectious Disease Ecology of Wild Birds. Oxford, UK, Oxford University Press. <https://doi.org/10.1093/oso/9780198746249.001.0001>
- [44] DeSimone, J. G., DeGroote, L. W., MacKenzie, S. A., Owen, J. C., Patterson, A. J., & Cohen, E. B. (2024). Persistent species relationships characterize migrating bird communities across stopover sites and seasons. *Proceedings of the National Academy of Sciences*, 121(34), e2322063121
- [43] Fair, J. M., Al-Hmoud, N., Alrwashdeh, M. M., Bartlow, A. W., Balkhamishvili, S., Daraselia, I., ... & Owen, J. (2024). Transboundary determinants of avian zoonotic infectious diseases: challenges for strengthening research capacity and connecting surveillance networks. *Frontiers in Microbiology*, 15, 1341842.
- [42] Wright, D., Norris, P., and Owen, J.C. (2022) Michigan's Swamplands and Michigan Agricultural College: Dr. Paul M. Harmer's Career and Legacy in Muck Soils Research on the Corey Marsh. *The Michigan Historical Review*
- [41] Dolinski, A.C.*, Homola, J.J., Jankowski, M.D., Robinson, J.D., Owen, J.C. (2022). Differential gene expression reveals host factors for viral shedding variation in mallards (*Anas platyrhynchos*) infected with low-pathogenic avian influenza virus *Journal of General Virology*, doi: 10.1099/jgv.0.001724
- [40] Dolinski, A. C.*, Homola, J. J., Jankowski, M. D., Robinson, J. D., & Owen, J. C. (2022). Host gene expression is associated with viral shedding magnitude in blue-winged teals (*Spatula discors*) infected with low-path avian influenza virus. *Comparative immunology, microbiology and infectious diseases*, 90, 101909
- [39] Bialosuknia, Sean M., Alan P. Dupuis II, Steven D. Zink, Cheri A. Koetzner, Joseph G. Maffei, Jennifer C. Owen, Hannah Landwerlen, Laura D. Kramer & Alexander T. Ciota (2022) Adaptive evolution of West Nile virus facilitated increased transmissibility and prevalence in New York State, *Emerging Microbes & Infections*, 11:1, 988-999, DOI: 10.1080/22221751.2022.2056521
- [38] Owen J. C., Landwerlen H.**, Dupuis A. P., Belsare A. V., Sharma D. B., Wang S., Ciota A. T. and Kramer L. D. (2021) Reservoir hosts experiencing food stress alter transmission dynamics for a zoonotic pathogen. *Proc. R. Soc. B*.2882021088120210881
- [37] Owen, J. C., D. M. Hawley and K. P. Huyvaert (2021). A bird's eye view of avian disease ecology. *Infectious Disease Ecology of Wild Birds*. Oxford U.K., Oxford University Press: 4-11.
- [36] Aniruddha Belsare, Jennifer Owen (2021, February 27). "AMRO_CULEX_WNV" (Version 1.0.1). CoMSES Computational Model Library. Retrieved from: <https://www.comses.net/codebases/7ecae508-93e0-431e-a650-44ff5888f731/releases/1.0.1/>
- [35] Hawley, D. M., K. P. Huyvaert and J. C. Owen (2021). A flight path forward for avian infectious disease ecology. *Infectious Disease Ecology of Wild Birds*. Oxford U.K., Oxford University Press: 324-333.
- [34] Owen, J. C., J. S. Adelman and A. E. Henschen (2021). The nature of host-pathogen interactions. *Infectious Disease Ecology of Wild Birds*. Oxford U.K., Oxford University Press: 12-39.
- [33] Dunn, J. C., D. M. Hawley, K. P. Huyvaert and J. C. Owen (2021). Fitness effects of parasite infections in birds. *Infectious Disease Ecology of Wild Birds*. Oxford U.K., Oxford University Press: 140 -159.
- [32] Dolinski, A. C.*, M. D. Jankowski, J. M. Fair and J. C. Owen (2020). "The association between SA α 2, 3Gal occurrence frequency and avian influenza viral load in mallards (*Anas platyrhynchos*) and blue-winged teals (*Spatula discors*)." *BMC veterinary research* 16(1): 1-17.
- [31] Dolinski, A. C.*, J. J. Homola, M. D. Jankowski and J. C. Owen (2020). "De Novo Transcriptome Assembly and Data for the Blue-winged Teal (*Anas discors*)." *Data in Brief*: 105380.
- [30] Owen, J. C. (2020). *Parasites and Disease Ecology*. *Ornithology: Foundation, Analysis, and Application*. M. L. Morrison, A. D. Rodewald, G. Voelker, M. R. Colón and J. F. Prather. Baltimore, MD, Johns Hopkins University Press: 733-753.

- [29] Oguchi, Y.*, R. J. Smith, and J. C. Owen 2018. Fruits and migrant health: *Consequences of stopping over in exotic- vs. native-dominated shrublands on immune and antioxidant status of Swainson's Thrushes and Gray Catbirds*. The Condor 119:800-816.
- [28] Oguchi, Y.*, Z. Pohlen**, R. J. Smith, and J. C. Owen 2017. Exotic-and native-dominated shrubland habitat use by fall migrating Swainson's Thrushes and Gray Catbirds in Michigan, USA. The Condor 120:81-93.
- [27] Németh, Z., Luo, Y., Owen, J. C., & Moore, F. R. 2016. Seasonal variation in CREB expression in the hippocampal formation of first-year migratory songbirds: Implications for the role of memory during migration. *The Auk*, 134(1), 146-152.
- [26] Fassbinder-Orth, C. A., Wilcoxon, T. E., Tran, T., Boughton, R. K., Fair, J. M., Hofmeister, E. K., & Owen, J. C. 2016. Immunoglobulin detection in wild birds: effectiveness of three secondary anti-avian IgY antibodies in direct ELISAs in 41 avian species. *Methods in Ecology and Evolution*, 7(10), 1174-1181.
- [25] Mason, N. A.*, Butler, M. W., & Owen, J. C. 2016. Membership trends in the American Ornithologists' Union and the evolving role of professional ornithological societies. *The Auk*, 133(4), 806-811.
- [24] Owen, J.C. F.R. Moore, and M. Garvin. 2014. Elevated testosterone advances onset of migratory restlessness in a Nearctic-Neotropical landbird. *Behavioral Ecology and Sociobiology* 68 (4), 561-569.
- [23] Owen, J.C., E. Cornelius**, D.A. Arsnoe*, and M. Garvin. 2013. Leukocyte Response to Eastern Equine Encephalomyelitis Encephalitis Virus in a Wild Passerine Bird. *Avian Diseases*. 57(4):744-749.
- [22] Cross, T.A*, D. M. Arsnoe*, R. B. Minnis, D. T. King, S. Swafford, K. Pedersen and J.C. Owen^c. 2013. Prevalence of Avian Paramyxovirus 1 and Avian Influenza Virus in Double-crested Cormorants (*Phalacrocorax auratus*) in eastern North America. *Journal of Wildlife Diseases*. 49 (4), 965-977.
- [21] Jankowski, M.J., J.M. Fair, C.J. Williams, and J.C. Owen^c. 2013. Birds shed RNA-viruses according to the Pareto Principle. *PloS one*. 8.8 (2013): e72611
- [20] Selman, W., Qualls, C. and Owen, J. C. 2013. Effects of human disturbance on the behavior and physiology of an imperiled freshwater turtle. *The Journal of Wildlife Management*. Doi: 10.1002/jwmg.538
- [19] Johnston, E. *, Tsao, J. I., Muñoz, J. D., & J.C. Owen^c 2013. *Anaplasma phagocytophilum* Infection in American Robins and Gray Catbirds: An Assessment of Reservoir Competence and Disease in Captive Wildlife. *Journal of Medical Entomology*, 50(1), 163-170.
- [18] Rivers, M. G. Betts, A. L. Liebl, J. C. Owen and L. B. Martin. 2012. Baseline corticosterone in nestlings carries over to predict juvenile survival in a migrant songbird. *Functional Ecology* 26: 1127-1134. DOI: 10.1111/j.1365-2435.2012.02025.x
- [17] Owen, J.C., A. Nakamura*, C.A.C Coon, L.B. Martin. 2012. Exogenous corticosterone elevates mortality risk to West Nile virus in Northern Cardinal (*Cardinalis cardinalis*). *Veterinary Research* 43(1):34.
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- [15] Owen, J. C. 2011. A review of blood collection, processing, and storage techniques for passerine birds. *Journal of Field Ornithology*. 82(4): 339-354.
- [14] Owen, J.C., F.R. Moore, A.J. Williams*, M.C. Garvin. 2011. Test of recrudescence hypothesis for overwintering of eastern equine encephalitis virus. *Journal of Medical Entomology*. 48: 896-903
- [13] Arsnoe, D.A*, H. Ip, J.C. Owen. 2011. Influence of Body Condition on Influenza A Virus Infection in Mallard Ducks: Experimental Infection Data. *PLOS One*. 6: e22633
- [12] Squire, M.E., J. C. Bague, R. J. Smith, J. C. Owen. 2011. Evidence of Medullary Bone in Two Species of Thrushes. *Wilson Journal of Ornithology*. 123(4): 831-835
- [11] Whelan, R.J, Levin, T.C., Owen, J.C., Garvin, M.C., (2010). Identification of Carboxylic Acids as Volatile Components of Uropygial Secretions in the Gray Catbird (*Dumetella carolinensis*), *Comparative Physiology and Biochemistry, Part B: Biochemistry and Molecular Biology*, 156: 183-188
- [10] Owen, J.C., F.R. Moore, A.J. Williams*, E.A. Miller, L.C. Wilson, V. Morley, R.N. Abbey-Lee, B.A. Veeneman, B. DeRussey, M. McWhorter, M.C. Garvin. (2010). Test of recrudescence hypothesis for overwintering of West Nile virus. *Journal of Medical Entomology*. 47(3): 451-457
- [9] M. Hatch, R. Smith, J.C. Owen (2010), Arrival timing and hematological parameters in gray catbirds (*Dumetella carolinensis*), *Journal of Ornithology*. 151: 545-552.
- [8] Owen, J. C. and M. C. Garvin (2010). Epizootology of West Nile Virus. *Avian Ecology and Conservation: A Pennsylvania Focus with National Implications*. S. K. Majumdar, T. L. Master, M. Brittingham et al. Easton, PA, Pennsylvania Academy of Science.
- [7] Owen, J.C. and F.R. Moore (2008) Swainson's Thrushes in migratory disposition exhibit reduced immune function, *Journal of Ethology*, 26(3): 383-388.

- [6] Owen, J.C. and F.R. Moore (2008) Relationship between energetic condition and indicators of immune function in thrushes during spring migration., *Canadian Journal of Zoology*, 86(7): 638-647.
- [5] Owen, J.C., F.R. Moore, N. Panella, E. Edwards, R. Bru, M. Hughes, N. Komar. 2006. Migrating birds as dispersal vehicles of West Nile virus. *Ecohealth*, 3(2): 79-85
- [4] Owen, J.C. and F.R. Moore. 2006 Seasonal differences in immunological condition for three species of thrushes. *Condor*, 108: 389-398
- [3] Komar, N., N. A. Panella, S. A. Langevin, A. C. Brault, M. Amador, E. Edwards, and J. C. Owen. 2005. Avian hosts for West Nile virus in St. Tammany Parish, Louisiana, 2002. *American Journal of Tropical Medicine and Hygiene*, 73:1031-1037.
- [2] Owen, J. C., M. K. Sogge, and M. D. Kern. 2005. Habitat and sex differences in physiological condition of breeding Southwestern Willow Flycatchers (*Empidonax traillii extimus*). *The Auk*, 122:1261-1270.
- [1] Sogge, M.K., J.C. Owen, E.H. Paxton, S.M. Landridge, T.J. Koronkiewicz. 2001. A targeted mist net capture technique for the willow flycatcher. *Western Birds*. 32:167-172.

In review

AL-Hmoud, Nisreen, Mu'men Alrwashdeh, Fares Khoury, Amani Abdien, Ahmad Hayek, Ghadeer Alzghoul, Ahmad Islaieh, Cally E. Erickson, Andrew W. Bartlow, Jennifer C. Owen, Jeanne M. Fair. 'Microbiome comparison and pathogen identification for three migrating passerines captured during spring season in Jordan using 16S rRNA sequencing. *Integrative and Comparative Biology*

Alioto, Nick, A. Finley, B. Robinson, and J.C. Owen. Crossing the Strait: Wind and uplift facilitate route selection for a soaring migrant in spring. *Movement Ecology*

Smith, Olivia. Pedro A. P. Rodrigues, Sarah Groendyk, Olivia J. Utley, Ashley de Borchgrave d'Altena, Samantha Carbonell, Kayla L. Davis, Talia Swartout, Sofia Varriano, Niesa Kettler, Rinosh Mani, Shannon D. Manning, Jennifer C. Owen, William E. Snyder, and Catherine A. Lindell. Falcons reduce food safety risks and crop damage from wild birds. *Journal of Applied Ecology*

Invited Book Review

- Emerging Avian Diseases, edited by Ellen Paul. *Journal of Field Ornithology* 83(4):420–427, 2012 DOI: 10.1111/j.1557-9263.2012.00392.x Edited by P. Stouffer.

Non-peer review papers/commentaries

- Jardeleza, S., A. Cognato, M. Gottfried, R. Kimbirauskas, J. Libarkin, R. Olson, G. Ordning, J. Owen, P. Rasmussen, J. Stoltzfus, S. Thomas (accepted). Summer (2013). The Value of Community Building: One Center's Story of How the AAC&U VALUE Rubrics Provided Common Ground. *Liberal Education – Association of American Colleges & Universities (AAC&U) Press*; 99(3).

Government Reports

- Owen, J. C. and M.K. Sogge. 2002. Physiological condition of southwestern willow flycatchers in native and saltcedar habitats. US Geological Survey report to Arizona Department of Transportation.
- Owen, J., S. Langridge, and M. Sogge. 1997. Banding and Genetic Sampling of Willow Flycatchers in Colorado: 1996 & 1997 Summary Report. USGS Colorado Plateau Field Station, Northern Arizona University. 44 pp.
- Paxton, E., J. Owen, M. Sogge. 1996. Southwestern willow flycatcher response to catastrophic habitat loss. Colorado Plateau Research Station Report.

INVITED TALKS TO PUBLIC AUDIENCES (35 PUBLIC TALKS SINCE 2016)

- Wild Ones Keweenaw Chapter. Talk titled: *Health of migrating landbirds in the face of a changing landscape: importance of native plants*. January 18, 2024. Virtual - Zoom
- Hal and Jean Glassen Foundation . Talk titled: *Corey Marsh Ecological Research Center* . July 17, 2023. Lansing, MI
- MI Department of Natural Resources: Bird Migration Forum. Talk titled: *Birds and Berries: The Importance of Native Fruit-Bearing Shrubs for Migrating Land Birds and the Challenges Migratory Birds Face as They Navigate a Changing Landscape*. May 09, 2023. Houghton, MI
- Abrams Planetarium. Talk titled: *Seeing stars: How birds use the night sky to navigate*. March 15, 2023. East Lansing, MI

- Kellogg Biological Sanctuary's Migration Workshop Series. Talk titled: *Out of Bounds Program: Avian Migration and Vagrancy*. January 27, 2023. Virtual - Zoom
- Michigan State University Extension's Master Gardener Program Series. Talk titled: *Best trees and shrubs to attract birds to your garden*. January 10, 2023. Virtual - Zoom
- Annual Golf Course Owner Banquet. Talk titled: *Paying tribute to the memory of Gerald "Jerry" Matthews*. November 11, 2022. Mt. Pleasant, Michigan
- Michigan State University Extension's Horticulture Café. Talk titled: *Birds and Berries: The Importance of Native Fruit-Bearing Shrubs for Migrating Landbirds*. August 25, 2022. Virtual - Zoom
- Kellogg Biological Station: Dinner & Dessert. Talk titled: *Dessert with Discussion: Health of Migratory Birds in the Face of a Changing Landscape*. May 18, 2022. Battle Creek, MI
- Chippewa Audubon Society. Talk titled: *Birds and Berries: The Importance of Native Fruit-Bearing Shrubs for Migrating Landbirds*. April 01, 2022. Mt Pleasant, MI
- Popular Astronomy Club of Moline, Illinois. Talk titled: *Seeing stars: How birds use the night sky to navigate*. February 14, 2022. Virtual - Zoom
- Kellogg Biological Sanctuary's Migration Workshop Series. Talk titled: *Out of Bounds Program: Avian Migration and Vagrancy*. January 25, 2022. Virtual - Zoom
- Aesculapian Society. Talk titled: *Modeling Covid19*. December 15, 2021. Kelowna, B.C. Canada
- Lansing Agriculture and Natural Resources Club. Talk titled: *Challenges migratory birds face while navigating a changing landscape*. September 13, 2021. Lansing, MI
- Kalamazoo Area Wild Ones and the Audubon Society of Kalamazoo. Talk titled: *Birds and Berries: The Importance of Native Fruit-Bearing Shrubs for Migrating Landbirds*. May 25, 2021. Kalamazoo, MI
- Sciencefest. Talk titled: *Seeing stars: How birds use the night sky to navigate*. April 14, 2021. East Lansing, MI
- Wildlife Flower Association of Michigan Native Plant Conference. Talk titled: *Birds and Berries: The Importance of Native Fruit-Bearing Shrubs for Migrating Landbirds*. March 08, 2021. East Lansing, MI
- Kalamazoo Audubon Society. Talk titled: *The Great Avian Wanderers of the Antarctic: Albatross and Other Pelagic Seabirds*. February 22, 2021. Kalamazoo, MI
- Quiet Water Symposium. Talk titled: *Native plants for birds*. February 18, 2021. East Lansing, MI
- Huron Valley Audubon Society. Talk titled: *Albatrosses: Dynamic Soaring Wonders*. February 08, 2021. Kensington, MI
- Kalamazoo Astronomical Society. Talk titled: *Seeing stars: How birds use the night sky to navigate*. February 07, 2020. Kalamazoo, MI
- Aesculapian Society. Talk titled: *Linking environmental stress to disease superspreaders*. December 14, 2019. Kelowna, B.C. Canada
- Abrams Planetarium's Astronomical Horizons Lecture Series. Talk titled: *Seeing stars: How birds use the night sky to navigate*. November 21, 2019. East Lansing, Michigan
- Shady Ladies Chemistry Club. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. October 13, 2019. Detroit, MI
- Pierce Cedar Creek Institute. Talk titled: *Taking flight: the demands of bird migration*. September 27, 2019. Kalamazoo, MI
- Bath Senior Center. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. August 21, 2019. Bath, Michigan
- Friends of Park Lake Township Meeting. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. August 13, 2019. Bath, Michigan
- Fox Run. Talk titled: *Soaring albatross and porpoising penguins: birds of the Southern Ocean and Antarctica*. April 09, 2019. Novi, Michigan
- MSU ScienceFest. Talk titled: *Seeing stars: How birds use the night sky to navigate*. April 06, 2019. East Lansing, Michigan
- Capital Area Audubon Society. Talk titled: *Pelagic birds of Southern Ocean*. April 04, 2019. Lansing, MI
- Kellogg Biological Station's Educator's Conference. Talk titled: *Migration: challenges and connections*. April 01, 2019. Battle Creek, MI
- Huron Valley Audubon Society. Talk titled: *Albatrosses: Dynamic Soaring Wonders*. September 09, 2018. Kensington, MI
- Fox Run Retirement Community. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. June 12, 2018. Novi, Michigan

- Dewitt Millennium Garden Club. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. February 11, 2018. Zoom - Virtual
- MSU's Green and White Evening in the Twin Cities. Talk titled: *Connecting people to nature through the beauty and wonder of migratory birds*. May 15, 2016. Minneapolis, MN

INVITED RESEARCH SEMINARS

- Owen, J.C. Some individuals are more infectious than others: environmental and genetic factors underlying variation in pathogen load of wildlife reservoir hosts. University of Oklahoma. March 30, 2022
- Owen, J.C. Are migratory birds really to blame for the spread of infectious diseases? Lafayette College. 2018
- Owen, J.C. "Heterogeneous viral shedding in birds: extrinsic and intrinsic factors underlying this consistent phenomenon" University of Southern Mississippi (Feb 2017).
- Owen, J.C. "Heterogeneous viral shedding in birds: extrinsic and intrinsic factors underlying this consistent phenomenon" University of Rhode Island, Kingston, RI (April 2016).
- Owen, J. C., "Role of migrating birds in spread and maintenance of zoonotic pathogens." Michigan State University, Department of Fisheries and Wildlife Seminar Series, (April 2, 2010). Tsao, J. and Owen, J.C. Conservation medicine: promoting health at the wildlife, livestock, and human interfaces. Michigan State University, College of Veterinary Medicine, Large Animal Clinical Sciences Seminar Series (January 26, 2010)
- Owen, J.C. "Role of migrating birds in the maintenance and spread of zoonotic pathogens" Ohio Wesleyan University, Delaware, OH. (November 15, 2009)
- Owen, J.C. "Role of migrating birds in the maintenance and spread of zoonotic pathogens", Central Michigan University, Mt. Pleasant, MI. (March 26, 2009)
- Owen, J.C. 2009. "What is the functional significance of reduced immune function in migrating birds?" Western Michigan University, Kalamazoo, MI (2009).
- Owen, J.C. "Migrating Birds as West Nile Virus Dispersal Vectors". University of Maine, Orono, ME (October 22, 2004)

CONTRIBUTED & INVITED CONFERENCE PRESENTATIONS

* Graduate. ** Undergraduate Students, Invited talks in **bold**)

- **Owen, J.C., K. Taylor, R. Stewart. Operating a publicly accessible banding station: balancing integrity of research, training of students, and substantive public engagement. American Ornithological Society, Estes Park, Colorado, Oct 1-5, 2024**
- *Alioto, N, Finley, A., Robinson, B., Owen, J.C. Crossing the Strait: Wind and Uplift Facilitate Route Selection for a Soaring Migrant in Spring. American Ornithological Society, Estes Park, Colorado, Oct 1-5, 2024
- Muzyka, Denys; O. Rula; N. Muzyka; O. Mezinov; A. Vlaschenko; R. Echkenko, A. Popova; P. Yurko; O. Gaidash; M. Pantin-Jackwood; M. Beer; J. Fair; J.C. Owen; J. Waldenström. *Research despite the war: surveillance of emerging viral and bacterial pathogens in wild birds and animals in Ukraine*. 16th EPIZONE Annual Meeting, Vectors, viruses, and wildlife. Uppsala, Sweden. 25-27 September 2024
- Chitadze, N., M. Chubinidze, J. Fair, J.C. Owen, L. Ninua, Z. Javakhishvili, L. Urushadze. High seroprevalence of antibodies to Avian influenza viruses among wild waterfowl in Country of Georgia. 16th EPIZONE Annual Meeting, Vectors, viruses, and wildlife. Uppsala, Sweden. 25-27 September 2024
- **Owen, J.C. Migratory Birds, Transboundary Diseases, and Global Health. Mekong One Health Innovation Program (MOHIP) One Health Regional Symposium, Vientienne, Laos. 12 – 15 May 2024**
- **Craig, Kelly, J.C. Owen. Reproductive success of cavity-nesting bird species in post-agricultural wet grasslands: Introduction and initial findings. Michigan Chapter of The Wildlife Society Annual Conference, Roscommon, Michigan. April 2024
- *Alioto, N, Finley, A., Robinson, B., Owen, J.C. To Cross or Not: What conditions facilitate a crossing attempt of a soaring migrant in the Straits of Mackinac. Raptor Research Conference – Albuquerque, New Mexico – Oct 17-22, 2023
- *Alioto, N, Robinson, B., Owen, J.C. Unraveling the migration of Red-tailed Hawks in the Great Lakes Region. American Ornithological Society Conference – London, Ontario, Canada Aug 8-12, 2023
- Fair, J., N. AL-Hmoud, M. Alrwashdeh, A. Bartlow, A. Elshoff, L. Fakhouri, Z. Javakhishvili, F. Khoury, D. Muzyka, J. Tsao, L. Urushadze, J. Owen Transboundary Avian Zoonotic Infectious Diseases and Migratory Birds: Strengthening

and Connecting Research and Surveillance Networks. Conference for Workers for Animal Diseases. Chicago, IL. January 20 -24, 2023

- Tsao, J. Fair, J., N. AL-Hmoud, M. Alrwashdeh, A. Bartlow, A. Elshoff, L. Fakhouri, Z. Javakhishvili, F. Khoury, D. Muzyka, L. Urushadze, J. Owen Avian Zoonotic Disease Network: The role of migratory birds in the spread of ticks and tick-borne pathogens along the Black Sea Flyway. Society of Vector Ecology Annual Meeting, Charleston, SC. Sept 17, 2023
- **Kaur, P. J.C. Owen, J. Slade. Too much of a good thing: the role of MHC class I against West Nile virus in American Robins. American Ornithological Society Conference – London, Ontario, Canada Aug 8-12, 2023
- **Griffis, E. J. DeSimone, J.C. Owen. Effects of weather on arrival of migrating landbirds in fall at an inland stopover site in mid-Michigan, USA. American Ornithological Society Conference – London, Ontario, Canada Aug 8-12, 2023
- **Zapata, Jordan M. and Pearson, Kailee, J.C. Owen. The Effects of Environmental Conditions on the growth of Manoomin (*Zizania aquatica*) at the Corey Marsh Ecological Research Center. Society for Ecological Restoration, 2023
- *Alioto, N, Robinson, B., Owen, J.C. Unraveling the migration of Red-tailed Hawks in the Great Lakes Region. Raptor Research Foundation annual conference Ft. Lauderdale FL. Oct 4th-8th 2022
- **Cole, A., J.C. Owen, J. Kanesfky, K. Scribner. Genetic validation of field methods for characterizing diet of frugivorous birds during stopover. American Ornithological Society (140th Stated Meeting) & Birds Caribbean (24th annual meeting). San Juan, Puerto Rico. 27 June–2 July 2022
- *Dolinski, A. C., M.D. Jankowski, J. Fair, and J.C. Owen. *The Relationship Between Avian Influenza Viral Load And Sialic Acid Receptors in Wild Ducks*. Wildlife Disease Association Annual Meeting. St Augustine, FL. August 2018
- *Dolinski, A. C., M.D. Jankowski, J. Fair, and J.C. Owen. *The Link Between Variation in SA- α 2,3-Gal and Variation of Avian Influenza Viral Load in Mallard Ducks (*Anas platyrhynchos*)*. American Ornithology: AOS-SCO Annual Meeting. August 2017, East Lansing, Michigan
- *Dolinski, A. C., M.D. Jankowski, and J.C. Owen. *Determining the Intrinsic Factors Responsible for Variation In Avian Influenza Pathogen Load In Wild Ducks*. Wildlife Disease Association Annual Meeting. Cortland, NY. Aug. 2016
- Dolinski, A. C., M.D. Jankowski, and J.C. Owen. *Determining the Intrinsic Factors Responsible for Variation In Avian Influenza Pathogen Load In Wild Ducks*. MSU Fisheries and Wildlife Graduate Student Symposium. East Lansing, Michigan. Feb. 2015
- Owen, J.C. A. Dolinski*, M. Jankowski, J. Fair, J. Robinson. International Ornithological Congress, Vancouver, Canada. August 26, 2018
- Owen, J.C. NSF RCN: Ecoimmunology meeting entitled: “Among species variation: causes and consequences” Berlin, Germany. September 1, 2013
- Buler, J., J. Smolinsky, R. Smith, and J.C. Owen. Nearshore concentrations of birds around the Great Lakes. AOU/COS, Chicago, IL. August 15, 2013.
- Johnson, K. ** J.C. Owen, C. Bocetti. Kirtland Warblers Occupancy and Reproductive Success in Managed Plantations. AOU/COS, Chicago, IL. August 15, 2013.
- Gawne, C.**, Y. Oguchi, and J.C. Owen. Leukocyte profiles of migrating Gray Catbirds in relation to habitat use. AOU/COS, Chicago, IL (August 15, 2013)
- Oguchi, Y*. and J.C. Owen. Habitat use and ecoimmunology of fall migrating landbirds. AOU/COS, Chicago, IL. August 15, 2013
- Caton, J.L.* and J.C. Owen. Migratory Behavior of Captive Blue-winged Teals (*Anas Discors*) (poster). AOU/COS, Chicago, IL. August 15, 2013
- Caton, J.L.* and J.C. Owen. Migratory Behavior of Captive Blue-winged Teals (*Anas Discors*) (poster). Animal Behavior Society, Boulder, CO. July 30, 2013.
- Owen, J. Host-level drivers of infectiousness in birds: implication for emergence of zoonotic pathogens. Merial-NIH Veterinary Scholars Symposium. East Lansing, MI (August 2, 2013).
- Caton, J.L.* and J.C. Owen. Migratory Behavior of Captive Blue-winged Teals (*Anas Discors*) (poster). Ecology and Conservation of North American Waterfowl. Memphis, TN. January 2013.
- Jankowski, M., Fair, J. and J. Owen. “Heterogeneous viral shedding in birds: potential causes and consequences of this consistent phenomenon”. 5th North American Ornithological Conference, Vancouver, CA. August 2012.
- Owen, J.C. and M. Jankowski “Avian Disease Ecology: from the individual to the landscape”. 5th North American Ornithological Conference, Vancouver, CA. August 2012.

- Johnston, E.*, J. Tsao, J.D. Munoz-Robayo and J. Owen. Gray Catbird and American Robin Susceptibility to *Anaplasma phagocytophilum*: A Captive Study of Reservoir Competence. American Society of Tropical Medicine and Hygiene, Philadelphia, PA. December 2011.
- Owen, J. C. "Spatio-Temporal Dynamics in Disease Ecology and Epidemiology" Invited plenary speaker for Mathematical Biosciences Institute (MBI), Ohio State University, Columbus, OH (October 11-14, 2011)
- Arsnoe, D.*, Owen, J. C., Ip, H "Influence of mallard (*Anas platyrhynchos*) body condition on the spread of low pathogenic avian influenza." MiBCI Ornithological Congress Pellston, MI. April 2011.
- Hamilton, T.* Owen, J. C., King, T., Disease and movement ecology of Double-crested cormorants. Waterbird Society Meeting, Kearney, Nebraska, (March 2011).
- **Owen, J.C. "Migrating birds and the spread of zoonotic pathogens" Ecological Society of America session on "Infection Disease Dynamics in Migratory Species", Austin, TX. August 10, 2011.**
- **Owen, J. and D. Arsnoe. "What is the functional significance of reduced immune function in migrating birds?" Invited speaker for the Symposium titled "Bridging the Gap Between Ecoimmunology and Disease Ecology" at the Society for Integrative and Comparative Biology, Salt Lake City, UT (January 5, 2011)**
- Owen, J.C., A. Nakamura*, C. Coon, and L.B. Martin. Reservoir Competence of Northern Cardinals for West Nile virus: Role of stress. International Ornithologists' Congress, Campos Jordao, Brazil (August 28, 2010).
- Rivers, J., Betts, M.G, Liebl, A.L., Owen, J. C., Martin, L.B., AOU/SCO/COS Annual Meeting, San Diego, CA, Assessing Whether the Corticosterone Stress Response Predicts Post-Fledging Survival in a Temperate Songbird." (February 6, 2010)
- Johnston, E.*, Owen, J. C., AOU/SCO/COS Annual Meeting, San Diego, CA, Characterizing resistance and tolerance of three passerine birds in response to two zoonotic pathogens: *Borrelia burgdorferi* and West Nile virus." (February 6, 2010).
- Hamilton, T.* Owen, J. C., King, T., AOU/SCO/COS Annual Meeting, San Diego, CA, "Disease and movement ecology of Double-crested cormorants." (February 6, 2010).
- Arsnoe, D.*, Owen, J. C., Ip, H., AOU/SCO/COS Annual Meeting, San Diego, CA, "Influence of mallard (*Anas platyrhynchos*) body condition on the spread of low pathogenic avian influenza.." (February 6, 2010).
- Nemeth, Z., Owen, J. C., Luo, Y., Moore, F. Society for Integrative and Comparative Biology, "Memory formation in first-year migratory songbirds as revealed by hippocampal CREB immunoreactivity." (January 2010).
- Hamilton, T.*, Owen, J. C., King, T., The Waterbird Society Meeting, "Factors influencing colony attendance by double-crested cormorants in the North Channel of Lake Huron." (November 2009).
- **Owen, J.C. "Diseases of Fish-eating Birds in the Great Lakes". Invited speaker for a coordinated session entitled: Ornithological issues on the North American Great Lakes at the 127th American Ornithologist's Union, Philadelphia, PA. (August 14, 2009)**
- **Owen, J.C. and T. Hamilton. "Diseases of Double-crested Cormorants". Invited speaker for the symposium entitled: "Cormorant Biology Symposium" at The Waterbird Society Meeting, Cape May, NJ. (November 6, 2009).**
- Owen, J.C., M.C. Garvin, A.J. Williams*, and F.R. Moore. 2008. Role Of Gray Catbirds (*Dumetella Carolinensis*) in the Overwintering of Eastern Equine Encephalitis Virus American Ornithologists Union Conference, Portland, Oregon. 2008
- Owen, J.C., M.C. Garvin, A.J. Williams*, and F.R. Moore. Role Of Gray Catbirds (*Dumetella Carolinensis*) in the Overwintering of West Nile Virus. International Wildlife Disease Association, Estes Park, Colorado. 2008
- McWhorter**, M., M.F. Brown**, J.C. Owen. 2008. Spleen Size and Activity as it Relates to Migratory Disposition in the Gray Catbird (*Dumetella carolinensis*). Joint Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists Mobile, Alabama. 2008
- Williams, A.J.*, J.C. Owen, F.R. Moore and M.C. Garvin. Changes in immunocompetence of the Gray Catbird during an experimental West Nile virus infection. Joint Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists Mobile, Alabama. 2008
- Owen, J.C. 2007. The Value of Captive Studies for Examining the Role of Migrating Birds in the Spread of Viral Pathogens. Bird Migration and Global Change Conference, Algeciras, Spain. 2007.
- Owen, J.C., A.J. Williams*, F.R. Moore, and M.C. Garvin. 2007. Effects of migratory stress and testosterone on the recrudescence of latent West Nile virus infections in the Gray Catbird. Meeting of the American Ornithologists' Union, University of Wyoming. 2007
- Williams*, A.J., J.C. Owen, F.R. Moore, and M.C. Garvin. 2007. Changes in immunocompetence of the Gray Catbird during an experimental West Nile virus infection. Meeting of the American Ornithologists' Union, University of Wyoming. 2007

- Owen, J.C., A.J. Williams*, F.R. Moore, and M.C. Garvin. 2007. Effects of migratory stress and testosterone on the recrudescence of latent West Nile virus infections in the Gray Catbird. Wildlife Disease Association Conference, Estes Park, Colorado. 2007
- Williams*, A.J., J.C. Owen, F.R. Moore, and M.C. Garvin. 2007. Changes in immunocompetence of the Gray Catbird during an experimental West Nile virus infection. Wildlife Disease Association Conference, Estes Park, Colorado. 2007.
- Owen, J.C. and F.R. Moore. 2006. Seasonal Variation in The Immune Function Of Two Species Of Nearctic-Neotropical Landbird Migrants, Veery (*Catharus fuscescens*) And Wood Thrush (*Hylocichla mustelina*), International Ornithological Congress, Hamburg, Germany. 2006.
- **Owen, J.C. and F.R. Moore. “Are Birds More Likely to get Sick During Migration?” Invited speaker for the symposium entitled: The Challenges of Intercontinental Migration: Eastern and Western Perspectives at the 4th North American Ornithological Conference, Veracruz, Mexico. October 5, 2006.**
- Williams*, A.J., J.C. Owen, M. Garvin. 2006. The Influence of Testosterone and Migration on the Relapse of *Plasmodium relictum* in Experimentally Infected Gray Catbirds (*Dumetella carolinensis*). Mississippi Academy of Sciences 70th Annual Meeting, Vicksburg, MS. 2006
- Decoux**, A., A.J. Williams, and J.C. Owen. 2006. Variation in White Blood Cell Count in Relation to Intensity of Malaria Infection in a Passerine Bird. Mississippi Academy of Sciences 70th Annual Meeting, Vicksburg, MS. 2006\
- Owen, J.C., F.R. Moore, N. Komar, N. Panella, and R. Bru. 2005. Migrating Birds as West Nile Virus Dispersal Vectors. American Ornithologists Union Conference, Santa Barbara, California. 2005
- Owen, J.C. and F.R. Moore. 2002. Immunological function of landbird migrants in relation to their energetic condition during spring stopover, 3rd North American Ornithological Conference, New Orleans, Louisiana. 2002
- Owen, J.C. Avian Immune Function and the Energetic Demands of Long-distance Migration, Animal Migration Course, University of Lund, Sweden. 2001.
- Owen, J.C. and F. Moore. Suppression of cell-mediated immune function during long-distance migration. American Ornithologists Union Conference, Seattle, Washington. 2001
- Owen, J.C. and M. Sogge. Does habitat type influence physiological condition of Southwestern Willow Flycatchers? The Ecology and Conservation of the Willow Flycatcher Conference, Tempe, Arizona. 2000
- Owen, J.C. and F. Moore. Do migrants suppress immune function? Preliminary findings. American Ornithologists Union Conference, Ithaca, New York. 1999
- Owen, J.C. “Migrating birds and the spread of zoonotic pathogens” MSU Student Chapter of Wildlife Disease Association, East Lansing, MI
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TEACHING

- Productive Writing, FW 893; Graduate Seminar (1 credit). Spring semesters: 2015 – present
- Applied Environmental Science and Organismal Biology, ISB 202 (3 credits); 2008 – 2020 (1 semester/year)
- International Studies in Fisheries and Wildlife; Antarctica Ecosystem Science, FW 480, LB490E, ISB 202 (6 credits). Winter break: 2011-2012, 2012-2013, 2014-2015, 2018-2019, 2024 - 2025.
- Wildlife Disease Ecology, FW 463, 863; (3 credits). 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024 (1 semester/year)
- Fisheries and Wildlife 293; Undergraduate Seminar in Fisheries and Wildlife, (2 credits; co-taught), 2019, 2020, 2021
- Biology of Stress, FW 893 (1 credit; co-taught), 2010
- Biology and Society, BSC 103; University of Southern Mississippi; 3 credits. 2006
- Biology of Stress, BSC 692; University of Southern Mississippi; 3 credits. 2006
- Principals of Biological Sciences, Honors College, BSC 110H, University of Southern Mississippi; 3 credits; 2007.
- Principals of Biological Sciences, BSC 110, University of Southern Mississippi; 3 credits; 2006
- Avian Biology, BSC 418/518, University of Southern Mississippi, 4 credits. 2002, 2005

GUEST LECTURES FOR COLLEGE COURSES

- ENT 431. Vector Disease Ecology, Kellogg Biological Station. Summer 2014 – 2019 (annually)
- FW 413 Wildlife Research and Management Techniques, Fall 2013, 2014
- ZOL 360: Biology of Birds, Bird migration. Fall 2011 – 2024 (annually)
- WRA 335: Writing in Scientific Contexts. Students created their semester writing project around CMERC

- Avian disease ecology lecture for ornithology course, Austin Peay University, Tennessee (2024, 2025)
- LB/FW/MC 181: Introduction to Science, Technology, Environment and Public Policy. Bovine Tuberculosis in the UK. Fall 2011 – 2014 (annually)
- FW 101: Fundamentals of Fisheries and Wildlife Ecology and Management. 2008 – 2024 (1 – 2 semesters/year)
- FW 293: Undergraduate Seminar in Fisheries and Wildlife, 50 participants. I did a constructive controversy exercise on Bovine Tb with class. 2009, 2010, 2016
- ENT 401: Medical Entomology, 15 participants. West Nile virus, mosquitoes, and birds. 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025
- MC 492: Senior Seminar, Discussed with students about avian influenza for a class that was discussing “Wicked Problems in Science and Policy”. Fall semester 2008
- LCS610w: Wildlife Disease Ecology and Management, Provided training to students in handling and sampling passerine birds as well as overview of health and disease ecology of wild birds. 2008 – present (annually).

STUDENT ADVISEMENT

Graduate Student Advisees

2021 – present	Nicolas Alioto, PhD
2014 – 2021	Amanda Dolinski, PhD
2015 – 2018	Kimberly Fake, MS
2012 – 2015	Yushi Oguchi, MS
2011 – 2013	Jessica Caton, MS
2009 – 2013	Tiffanie Hamilton, MS
2008 – 2011	Emily Johnston, MS
2008 – 2010	Dustin Arsnoe, MS
2005 – 2008	Amanda Jo Williams, MS.

Veterinary Student Advisees (CVM Summer Research Program)

Ayaka Nakamura, 3rd year veterinary student. West Nile virus and corticosterone in Northern Cardinals (2009)

Ashley Kling, 2nd year veterinary student. Leukocyte counts relative to viral infection in WNV infected birds (2010)

Megan Porter, 1st year veterinary student. Prevalence of Ixodid scapularis ticks on migratory landbirds (2013, 2014)

Meredith Anderson, 1st – 3rd year veterinary student; Prevalence of Ixodid scapularis ticks on migratory landbirds and prevalence of birds infected with *Anaplasma phagocytophilum*, a tick-borne bacteria.

Graduate Student Committees

Jack Magee, MS, Department of Fisheries and Wildlife (2022 – 2024)

Rex Barnett Mbewe, PhD, Microbiology and Molecular Genetics (2018 – 2024)

Olivia Ruppert, MS, Department of Fisheries and Wildlife (2021 – 2023)

Vishvapali Kobbekaduwa, PhD, Comp. Medicine and Integrative Biology (2017 – 2024)

Alex Bauer, PhD, Department of Entomology (2019 – unfinished)

Allie Shoffner, PhD, Fisheries and Wildlife (2017 – unfinished)

Nicholas Skaff, PhD, Fisheries and Wildlife (2014 – 2017)

Jennifer Sidje, MS, Comparative Medicine and Integrative Biology (2012 – 2016)

Isis Kuczaj, PhD, Fisheries and Wildlife, MSU (2010 – 2015)

Brianna Zuber, MS, University of S. Mississippi; 2006 – 2008

Jill Maroo, MS, University of S. Mississippi; (2006 – 2008)

Post-doctoral Associates

Abu Kibria; Midwest Climate Adaptation Science Consortium synthesis project on restoration of drained wetlands. 2025 - present

Olivia Smith (co-advised with C. Lindell); how kestrel boxes help reduce bacterial contamination by wild birds in cherry orchards. 2021 - 2024

Jared Homola (project based advisor); transcriptomics/bioinformatics associated with differential viral shedding in avian influenza infected ducks. 2019 - 2020

Directed Undergraduate Research

- **Alexis Litts**, Prevalence of *Borrelia burdorferi* infected *Ixodes scapularis* on landbirds, 2024 - present

- **Gray Longcore**, Demography of cavity-nesting birds at CMERC, sedge wren nest searching study, and secretive marsh bird surveys, 2024 – present
- **Anna Dunnabacke**, Demography of cavity-nesting birds at CMERC, sedge wren nest searching study, and secretive marsh bird surveys, 2024
- **Molly Thibodeau**, Demography of cavity-nesting birds at CMERC, sedge wren nest searching study, and secretive marsh bird surveys, 2024
- **Trevor Markwood**, Sedge wren surveys and nest searching at CMERC, 2023
- **Endi Piovesana**, Demography of cavity-nesting birds at CMERC, 2023
- **Kelly Craig**, Demography of cavity-nesting birds and secretive marsh birds at CMERC, 2022 - 2023
- **Jordan Zapata**, Growth of wild rice at CMERC, 2023
- **Kailee Pearson**, Growth of wild rice at CMERC, 2022
- **A Proudfoot**, Herpetofauna at CMERC, 2022 - present
- **Matt Misewicz**, GIS mapping of wetlands at CMERC, 2021
- **Kelly Baltusis**, Demography of cavity-nesting birds and secretive marsh birds at CMERC, 2021 – 2022.
- **Finn O’Keefe**, Demography of cavity-nesting birds and secretive marsh birds at CMERC, 2021
- **Evan Griffis**, Demography of cavity-nesting birds and secretive marsh birds at CMERC; and independent research project on studying what atmospheric factors drive abundance of landbird migrants at stopover site. 2020 - 2023
- **Amelia Cole**, Malaria simulation and fruit ID via genetics, 2020 – 2021
- **Zack Spodek**, Fecal sample assessment; genetic validation BULA, 2018 – 2020
- **Mia White**, Habitat and fruit assessment; BULA, 2018
- **Hannah Landwerlen**, REU, WNV/robins, bird demography study; CMERC, 2018 - 2021
- **Brittney Beavers**, Habitat and Fruit Assessment; GIS; BULA, 2017 - 2018
- **David Heit**, Fecal sample assessment; BULA, 2017 - 2018
- **David Sandhal**, Fecal sample assessment; BULA, 2017 - 2018
- **Taylor McCord**, White blood cell counts of AIV infected birds, 2015 - 2016
- **Aya Pickett**, Fruit consumption and migratory birds, 2015 - 2016
- **Mark Philips**, Avian influenza viral titration from swabs, 2015 - 2016
- **Brittney Andre**, Blue-winged teal flight call analysis, 2013 - 2014
- **Carrie Gawne**, White blood cell counts in relation to habitat, 2012 - 2013
- **Kirsten Johnson**, Kirtland’s Warbler habitat management, 2012 - 2013
- **Emily Cornelius**, White blood cell counts and EEEV, 2009 - 2011
- **Gary McPherson**, Spleen histology and white blood cell counts, 2007 - 2008
- **Marks McWhorter**, Spleen histology and bird handling/bleeding, 2006 - 2009
- **David Randle**, White blood cell counts, 2006 - 2008
- **Zachary Parish**, Vero cell plaque assay, 2006 - 2008
- **Dixita Patel**, EIA for testosterone, 2006 - 2008
- **Yvonne Johnson**, White blood cell counts/hormone assays, 2006 - 2008
- **Bernadette DeRussey**, Vero cell plaque assay, bacterial-killing assays, 2006 - 2008
- **Ashley Decoux**, Virus and cell culture, testosterone implants, 2005 - 2006

Corey Marsh Summer Research Corey Marsh Ecological Research Center Support Staff

Jed Asher – Facilities and Grounds Manager, 2024 - present

Rose Stewart – Summer Undergraduate Research Coordinator and Administrative Support, 2022 - 2025

Kaitlyn Wilson – Administrative Support, 2020 - 2021

Allie Shoffner – Administrative Support, 2018 – 2020

Plus six additional student and non-student employees who did maintenance on grounds and facilities.

Michigan State Bird Observatory employees

Kristy Taylor, Professional Aide; outreach and volunteer coordinator, 2018 to present

Alexandra Johnson, Field Tech and Saw-whet Owl bander, 2024 – present

Parks Marion, Professional Aide; outreach and volunteer coordinator, 2017 - 2019

Bonnie Britt, Professional Aide; outreach and volunteer coordinator, 2016 - 2017

Plus ~70 additional student and non-student field-based employees directly under my supervision

Faculty Mentoring Committees

Mayra Tsoi, Assistant Professor, PDI, 2020 – 2022

Scott Peacor, Professor, FW, 2021 – 2024

Angela Burrow, Assistant Professor, FW 2024 – present

Chris Cahill, Assistant Professor, FW 2025 – present

PROFESSIONAL DEVELOPMENT

- JEDI for Leaders, Round Table Institute (participation supported by AOS), workshop series teaches leaders the key behaviors they need to practice to create a just, equitable, diverse, and inclusive (JEDI) workplace. 2024 – present
- Implicit Bias Certificate – 3, 1.5 hour trainings, offered by Michigan State University, 2024
- Reciprocal Research: A Guidebook for Centering Community in Partnership with Indigenous Nations, 2024
- National Native American Summit workshop, hosted by Michigan Diversity Council, November 2021
- SOIREEE, Summer Online Instructional Readiness Educational Experience, a week-long workshop to prepare instructors for online teaching, 2020
- Strategies for Success, Sustaining Biological Infrastructure, a 3-day intensive short course for project directors offered by Ecological Society of America and funded by National Science Foundation. July 2019
- Advancement Resources Training, 4-hour workshop offered by MSU External Relations, May 2019
- Development (Donor) Training workshop, offered by Plus Delta and supported by MSUE, March 2019
- LEAD21 Leadership and Development Program, training for future leaders in land grant institutions and their strategic partners who link research, academics, and extension. 2017-2018
- Science Communication workshop (MSU), 2016
- Center for Integrative Studies in General Science (CISGS) Faculty Learning Community, 2011-2020
- MSU workshop: Teaching and Learning on Study Abroad, March 2013
- STEM Teaching Essentials workshop: Big and Effective: Successful Teaching in Large Classrooms, November 2012
- Mind bugs: How implicit bias affects faculty evaluations in academia, November 2012
- Mind bugs: How implicit bias affects teaching and learning, November 2012
- STEM “Teaching Essentials” workshop on “Best Practices at Work: Lessons Learned by MSU Innovators”. April 2012 Co-organizer: FW Faculty Teaching Brown Bag, 2101-2011
- NIMBioS Investigative Workshop: Mathematical Modeling of Wildlife and Virus Zoonoses, Knoxville, TN, Nov 8-10, 2010
- Workshop, "Lilly Seminar Series: Effective Grading and Assessment: Strategies to Enhance Student Learning", Michigan State University. October 8, 2009
- Workshop, "Lilly Seminar Series: Will This Be on The Test? Using Critical Thinking Concepts to Engage Students Deeping in the Thinking of the Discipline", MSU Faculty and Instructional Development Programs. September 30, 2009
- Workshop, "Lilly Seminar Series: Design and Implementation of Active and Cooperative Learning", MSU Faculty and Instructional Development Programs. September 10, 2009
- Annual trainings in sexual harassment for supervisors, responsible conduct in research, biosafety, animal handling, chemical safety, mandatory reporting.

MSU SERVICE

University

- Academic Integrity Hearing Board, 2020 – 2021
- Member (invited): University Chemical Hygiene Subcommittee (2012 – 2020)
- Member (invited): University Faculty/Academic Council (2009 – 2011)
- University Faculty Grievance Panel, 2011

College

- Teaching Awards Committee, College of Agriculture and Natural Resources, 2021-2024
- Scholarship Committee, College of Veterinary Medicine, 2021
- Search Committee for Assistant Director for AgBioResearch, 2020

- ANR Microgrant Review Committee, 2019
- ANR Space Study, FW representative, 2019

Department

- Ad hoc Space Committee (Chair), Department of Fisheries and Wildlife, 2025 - present
- Search Committee for Assistant Farm Manager for Corey Marsh Ecological Research Center Search Committee, 2024
- Search Committee (Chair; elected) for the Department of Fisheries and Wildlife Department Chair Search, 2023 – 2024
- Communications Committee (Chair), 2021 – present
- Curriculum Committee, Department of Fisheries and Wildlife, 2020 – 2021
- Ecology, Evolution, and Behavior Communications Committee, 2020
- Search Committee (member; elected) for the Department of Fisheries and Wildlife Department Chair Search, 2018 – 2019
- Wallace Scholarship Committee, Integrative Biology Department, 2019 – present
- Outreach and Extension Committee, Department of Fisheries and Wildlife, 2018 – 2019
- Search Committee (member; invited) for Assistant Professor in aquatic disease for Dept. Pathobiology & Diagnostic Investigation (2018)
- Department Advisory Committee (elected member), 2015 to 2018 (Chair 2017-2018)
- Ad-Hoc RPT-Evaluation Committee, 2012-2013
- FW Safety Manual revisions, 2013
- Departmental Safety Officer, ORCBS Representative, 2008 - 2017
- Teaching Brown Bag. Co-organizer: 2009 – 2011
- Panel member: MSU-EEBB panel for EEBB graduate students and post-docs on faculty negotiations. 2010
- Committee Member, Standard Operating Procedure Committee. August 1, 2009
- Student presentation judge, Department of Fisheries and Wildlife Graduate Student Symposium, 2010-2011

EXTERNAL PROFESSIONAL SERVICE

- Elected Council Member, American Ornithological Society, 3-year term, 2024-2027
- NSF EEID Proposal Panel and Reviewer, January 2024
- Research Grade Review Panel for reviewing scientists going for promotion in USDA-APHIS, January 2022
- American Ornithological Society Investing Trustees Committee (Chair, 2021–present, member 2020–2021)
- American Ornithological Society Finance Committee (2021–present)
- American Ornithological Society Audit Committee (2022–present), Chair, Local Organizing Committee for the 2017 joint meeting of the American Ornithological Society and the Society of Canadian Ornithologists, Michigan State University (Chair, 2014 – 2017)
- Panel Member: Pre-proposal Panel for IOS – SDS at National Science Foundation
- Committee Member: Michigan Audubon Research Advisory Committee, 2016 – 2017
- Chair: AOU Membership Taskforce Committee
- Editor, The Condor: Ornithological Applications. Handle all avian health/disease related manuscripts. 2014-2015
- Editorial Board, Studies in Avian Biology book series, 2013 - 2014
- American Ornithological Society & AOU Meeting Coordination Committee (2013–2019)
- Elected Council Member, The American Ornithologists' Union Council\3-year term, 2011-2013
- Associate Editor: The Auk, Ecoimmunology and disease ecology manuscripts, 2010 – 2013
- MiBCI, Michigan Bird Conservation Initiative Planning Session, 2013
- Symposium Organizer: entitled: Avian Disease Ecology: from the individual to the landscape". 5th North American Ornithologist's Conference, Vancouver, BC., August 2012
- Ecology and Evolution of Infectious Disease, 10th Annual Workshop and Conference. Ann Arbor, MI, May 23 – 25, 2012
- NSF RCN Ecoimmunology meeting: Merging ecoimmunology and disease ecology. Ann Arbor, MI, May 21-22, 2012.
- National IACUC workshop on use of wildlife in research. Panel Member, Albuquerque, NM, October 2012
- Society for Ornithology, Outreach and Education Committee, 2011-2012
- National Fish and Wildlife Health Committee meeting, Grand Rapids, MI, Sept 30, 2010

- NSF RCN Ecoimmunology meeting: Standardizing methods and theory in ecoimmunology. Tampa, FL, June 25-27, 2010
- National Science Foundation, Research Collaborative Network (RCN): Ecoimmunology
- ad hoc Committee on AOU Membership, American Ornithologists' Union (Chair, 2009 – 2011)
- Early Professionals Committee, American Ornithologists' Union (Chair; 2004 – 2010)
- MI DNR/ MSU Wildlife Research Workshop, Tustin, MI (October 14, 2008)
- International Wildlife Disease Conference. Edmonton, Alberta, Canada (August 14 – 18, 2008)
- Attendee: USDA Michigan Bovine Tuberculosis annual meeting (July 2008).
- Invited Participant: USDA Workshop: Avian Influenza Working Group. Lawrence, KS (April 14-18, 2008)
- Local Organizing Committee: Joint Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists Mobile, Alabama (March 2008)
- Judge: Student papers at the 4th North American Ornithological Congress, Veracruz, Mexico (2006)
- Member: ad hoc Committee on AOU Governance, American Ornithologists' Union (2004-2005)
- Member: Committee on Student Affairs, American Ornithologists' Union (2003-2004)
- Editorial Board: Studies in Avian Biology, Editorial Review Board Member, International (2009 - 2010).

Reviewer for peer-reviewed journals: Journal of Field Ornithology, Oecologia, Condor, Journal of Arid Environments, Physiological and Biochemical Zoology, Journal of Avian Biology, Ornithology, Ornithological Applications, Vector-borne and Zoonotic Diseases, Ornis Fennica, Ecohealth, Functional Ecology, Integrative and Comparative Biology, Journal of Animal Ecology, Journal of Wildlife Diseases, Evolutionary Biology, Proceedings of Royal Society of London B: Biological Sciences, PloS One, Current Zoology, Biological Invasions, Biological Conservation, Zoonoses and Public Health

Reviewer for granting agencies: National Science Foundation, Canada Natural Science and Engineering Research Council (NSERC), Pennsylvania Department of Natural Resources, Deutsche Forschungsgemeinschaft (Germany), Netherlands Organisation for Scientific Research (NWO), Earth and Life sciences division

COMMUNITY ENGAGEMENT

Through CMERC and Michigan State Bird Observatory-related activities, we engage with over 1,000 people (of all ages) each year by hosting on average of 20 – 40 organized outreach programs and exhibition booths annually since 2016. We host an additional 300 - 500 people annually who visit one of the two bird banding stations.

Additionally, we host bird banding events for college and high school programs.

PROFESSIONAL AFFILIATIONS

Organization for Biological Field Stations (CMERC; 2020 – present)
 Cooper Ornithological Society (1995 – 2016)
 American Ornithologist's Union/American Ornithological Society (1998 - present)
 Wildlife Disease Association (2003 – 2020)
 International Association for Ecology and Health (2006 – 2010)
 Society for Integrative and Comparative Biology (2010 – 2017)
 International Society of Behavioral Ecology (1998 – 2012)
 Association of Field Ornithologists (2009 – 2012)
 The Waterbird Society (2010 – 2012)