

Benjamin M. A. Winger

Department of Ecology and Evolutionary Biology & Museum of Zoology
University of Michigan

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EDUCATION

PhD 2015 University of Chicago, Committee on Evolutionary Biology
BA 2007 Cornell University, College Scholar Program, *summa cum laude*

APPOINTMENTS & EXPERIENCE

UNIVERSITY OF MICHIGAN

2026– Associate Chair for Undergraduate Studies, Dept. of Ecology and Evolutionary Biology
2024– Associate Professor, Dept. of Ecology and Evolutionary Biology
 Associate Curator, Museum of Zoology
2017–2024 Assistant Professor, Dept. of Ecology and Evolutionary Biology
 Assistant Curator, Museum of Zoology
2015–2017 Postdoctoral Fellow, Michigan Society of Fellows, University of Michigan

GRADUATE AND UNDERGRADUATE TRAINING

2009–2015 Resident Graduate Student, Field Museum of Natural History
2008–2009 Lab Associate, Cornell Lab of Ornithology
2009 Visiting Researcher, Smithsonian Institution, National Museum of Natural History
2007–2009 Curatorial Assistant, Cleveland Museum of Natural History
2007 Research Assistant, American Museum of Natural History
2006–2007 Collections Assistant, Cornell University Museum of Vertebrates

HONORS, AWARDS, & FELLOWSHIPS

HONORS & AWARDS

2022 Fellow, American Ornithological Society
2022 [Brina C. Kessel Award](#), American Ornith. Society (*for Winger and Pegan 2021*)
2022 [George Mercer Award](#), Ecological Society of America (*for Weeks et al. 2020*)
2019 [Katma Award](#), American Ornithological Society (*for Winger et al. 2019*)
2019 Teaching Excellence Award, EEB & Program in Biology, University of Michigan
2017 Elective Member, American Ornithological Society
2016 Nominated by undergraduate students for UMich Golden Apple Teaching Award
2016 Best Dissertation Award, University of Chicago Biological Sciences Division
2016 Honorary Visiting Professor, Universidad Nacional Toribio Rodríguez de Mendoza, Peru
2014 [Ernst Mayr Award](#), Society of Systematic Biologists
2014 Council Award, American Ornithologists' Union (*for student presentation at conference*)
2007 Honors Thesis Proposal Award, Cornell University College Scholars Program

FELLOWSHIPS

2015–2018 Postdoctoral Fellowship, Michigan Society of Fellows
2015–2017 Donnelley Postdoctoral Fellowship, Yale University (*declined*)
2015–2017 Cornell Lab of Ornithology Postdoctoral Fellowship (*declined*)
2013–2014 Lester Armour Graduate Student Fellowship, Field Museum of Natural History
2009–2012 Graduate Research Fellowship, National Science Foundation

2003–2007 Rawlings Presidential Research Scholarship, Cornell University

PUBLICATIONS

‡Leadership as senior or co-senior author

*Winger lab graduate student

**Winger lab postdoctoral researcher

+Winger lab undergraduate

Wacker, KS* & **BM Winger**‡. 2026. Distinct intraspecific diversification dynamics in Neotropical montane versus lowland birds revealed by whole-genome comparative phylogeography. *Evolution* 80:441-459 ([PDF](#))

Covered in [Evolution "Digest"](#)

Pegan, TM*, V Ting+, BW Benz, & **BM Winger**‡. 2026. Deconstructing the morphological basis of ecogeographic variation in the hand-wing index, a widely used proxy for avian mobility, in the Yellow Warbler (*Setophaga petechia*). *The American Naturalist* 207:578-589. ([PDF](#)) ([press release](#))

Pegan, TM* & **BM Winger**‡. 2025. Large inversion polymorphisms are widespread in North American songbirds. *Genome Biology and Evolution* 17: evaf205 ([PDF](#))

Kimmit, AA**, TM Pegan*, KS Wacker*, AW Jones & **BM Winger**‡. 2025. Comparative whole genome phylogeography reveals genetic distinctiveness of Appalachian populations of boreal songbirds. *Evolutionary Applications* 18:e70163 ([PDF](#))

Winger, BM‡, FA La Sorte, MD Hack* & TM Pegan*. 2025. Joint evolution of the biogeography and phenology of seasonal migration. *PNAS Nexus* 4:pgaf247 ([PDF](#))

Pegan, TM*, AA Kimmitt**, BW Benz, BC Weeks**, Y Aubry, TM Burg, J Hudon, AW Jones, JJ Kirchman, K Ruegg, **BM Winger**‡. 2025. Long-distance seasonal migration to the tropics promotes genetic diversity but not gene flow in boreal birds. *Nature Ecology and Evolution* 9:957-969 ([PDF](#))

Adams, N, T Dias, HR Skeen, TM Pegan*, DE Willard, **BM Winger**, KC Ruegg, BC Weeks, RA Bay. 2025. Genetic and morphological shifts associated with climate change in a migratory bird. *BMC Biology* 23:3 ([PDF](#))

Berv, JS**, S Singhal, DJ Field, N Walker-Hale, SW McHugh, JR Shipley, ET Miller, RT Kimball, EL Braun, A Dornburg, CT Parins-Fukuchi, RO Prum, **BM Winger**, M Friedman, SA Smith. 2024. Genome and life-history evolution link bird diversification to the end-Cretaceous extinction. *Science Advances* 31:eadp0114 ([PDF](#))

Kimmit, AA**, TM Pegan*, AW Jones, K Winker & **BM Winger**‡. 2024. How Veeries vary: Whole genome sequencing resolves genetic structure in a long-distance migratory bird. *Ornithology* 141:1-12 ([PDF](#))

Wacker, KS* & **BM Winger**‡. 2024. Phylogeographic diversity in Neotropical birds is higher in mountains but decoupled from speciation rates. *American Naturalist* 203: 362-381 ([PDF](#))

Pegan, TM*, JR Berv**, ER Gulson-Castillo*, Kimmitt AA** & **BM Winger**‡. 2024. The pace of

mitochondrial molecular evolution varies with seasonal migration distance. *Evolution* 78:160-173. (PDF)

ER Gulson-Castillo*, BM Van Doren, MX Bui, KG Horton, J Li, MW Moldwin, K Shedden, D Welling & **BM Winger**†. 2023. Space weather disrupts nocturnal bird migration. *Proceedings of the National Academy of Sciences*. 120:e2306317120 (PDF)

winner of Most Outstanding EEB Graduate Student Publication, UMich

Zimova, M**, BC Weeks†, DE Willard, ST Giery, V Jirinec, RC Burner & **BM Winger**†. 2023. Body size predicts the rate of contemporary morphological change in birds. *Proceedings of the National Academy of Sciences* 120:e2206971120. (PDF)

Skeen, HR, DE Willard, AW Jones, **BM Winger**, EF Gyllenhaal, BR Tsuru, SJ Hackett, & J Novembre. 2023. Intestinal microbiota of Nearctic-Neotropical migratory birds vary more over seasons and years than between host species. *Molecular Ecology* 32:3290-3307. (PDF)

Kimmit, AA**, TM Pegan*, AW Jones, KS Wacker*, CL Brennan, J Hudon, JJ Kirchman, KC Ruegg, BW Benz, R Herman & **BM Winger**†. 2023. Genetic evidence for widespread population size expansion in North American boreal birds prior to the Last Glacial Maximum. *Proceedings of the Royal Society B* 290: 20221334. (PDF)

Freeman, BG†, GA Montgomery, J Heavyside, AE Moncrieff, O Johnson, & **BM Winger**†. 2023. On the predictability of phenotypic divergence in geographic isolation. *Evolution* 77, 26–35. (PDF)

Herman, RW, **BM Winger**, DL Dittman & MG Harvey. 2022. Fine-scale population structure and barriers to gene flow in a widespread seabird (*Ardenna pacifica*). *Biological Journal of the Linnean Society* 137:125-136. (PDF)

Winger, BM† & TM Pegan*. 2021. Migration distance is a fundamental axis of the slow-fast continuum of life history in boreal birds. *Ornithology* 138:1-18. (PDF)

winner of AOS Brina C. Kessel Award

selected as Editor's Choice

Zimova, M**, DE Willard, **BM Winger**† & BC Weeks†. 2021. Widespread shifts in bird migration phenology are decoupled from parallel shifts in morphology. *Journal of Animal Ecology*. 90:2348–2361. (PDF)

Van Doren, BM, DE Willard, M Hennen, KG Horton, EF Stuber, D Sheldon, AH Sivakumar, J Wang, A Farnsworth† & **BM Winger**†. 2021. Drivers of fatal bird collisions in an urban center. *Proceedings of the National Academy of Sciences* 118: e2101666118. (PDF)

Pegan, TM* & **BM Winger**†. 2020. The influence of seasonal migration on range size in temperate North American passerines. *Ecography* 43:1191-1202 (PDF)

Weeks, BC**, S Naeem, **BM Winger**, JL Cracraft. 2020. The relationship between morphology and behavior in mixed-species flocks of island birds. *Ecology and Evolution* 10:10593-10606. (PDF)

Starkloff, NC, JJ Kirchman, AW Jones, **BM Winger**, Y-H Huang, PC Pulgarín-R, WC Turner. 2020. Drivers of community turnover differ between avian haemoparasite genera along a North American latitudinal gradient. *Ecology and Evolution* 10:5402-5415. ([PDF](#))

Weeks, BC**, DE Willard, M Zimova**, AA Ellis+, ML Witynski, M Hennen & **BM Winger**†. 2020. Shared morphological consequences of global warming in North American migratory birds. *Ecology Letters* 23:316-325 ([PDF](#))

winner of ESA George Mercer Award

Winger, BM†, BC Weeks**, A Farnsworth, AW Jones, M Hennen & DE Willard. 2019. Nocturnal flight-calling behaviour predicts vulnerability to artificial light in migratory birds. *Proceedings of the Royal Society B* 286:20190364. ([PDF](#))

Winger, BM†, GG Auteri, TM Pegan* & BC Weeks**. 2019. A long winter for the Red Queen: Rethinking the evolution of seasonal migration. *Biological Reviews* 94:737-753. ([PDF](#))

winner of AOS Katma Award

Chesser, RT, KJ Burns, C Cicero, JL Dunn, AW Kratter, IJ Lovette, PC Rasmussen, JV Remsen, DF Stotz, **BM Winger** & K Winker. 2018. Fifty-ninth supplement to the American Ornithological Society's Check-list of North American Birds. *The Auk: Ornithological Advances* 135:798-813. ([PDF](#))

Winger, BM. 2017. Consequences of divergence and introgression for speciation in Andean cloud forest birds. *Evolution* 71:1815-1831. ([PDF](#))

Covered in Evolution "Digests"

Toews, DP et al. (19 co-authors). 2016. Genomic approaches to understanding population divergence and speciation in birds. *The Auk: Ornithological Advances* 133:13-30. ([PDF](#))

Winger, BM, PA Hosner, GA Bravo, AM Cuervo, LE Cueto & JM Bates. 2015. Inferring speciation history in the Andes with reduced-representation sequence data: an example in the bay-backed antpittas (Aves; Grallariidae; *Grallaria hypoleuca* s. l.). *Molecular Ecology* 24: 6256-6277. ([PDF](#))

Winger, BM & JM Bates. 2015. The tempo of trait-divergence in geographic isolation: Avian speciation across the Marañon Valley of Peru. *Evolution* 69:772-787. ([PDF](#))

Winger, BM, FK Barker & RH Ree. 2014. Temperate origins of long-distance seasonal migration in New World songbirds. *Proceedings of the National Academy of Sciences* 111(33):12115-12120. ([PDF](#))

Harvey, MG, GF Seeholzer, D Cáceres, **BM Winger**, G Tello, F Hernández, MA Aponte, CV Duffie, S Figueroa, RS Terrill, CE Brown, L Alza, G Bravo, M Combe, O Custodio, A Quiñones, A Urbay, WA Garcia, AS Savit, FW Pezo, WM Mauck III, and O Barden. 2014. Avian biogeography of an Amazonian headwater: the upper Ucayali River, Peru. *Wilson Journal of Ornithology* 126:179-191. ([PDF](#))

Seeholzer, GF, **BM Winger**, MG Harvey, D Caceres & JD Weckstein. 2012. A new species of barbet (Aves: Capitonidae) from the Cerros del Sira of Peru. *The Auk* 129:551-559. ([PDF](#))

Winger, BM, IJ Lovette & DW Winkler. 2012. Ancestry and evolution of seasonal migration in Parulidae.

Proceedings of the Royal Society B 279:610-618. ([PDF](#))

Harvey, MG, **BM Winger**, GF Seeholzer & D Caceres. 2011. Avifauna of the Gran Pajonal and southern Cerros del Sira, Peru. *Wilson Journal of Ornithology* 123:289-316. ([PDF](#))

Greeney, H, ME Juiña, JB Harris, MT Wickens, **BM Winger**, RA Gelis, ET Miller, & A Solano-Ugalde. 2010. Observations on the breeding biology of birds in south-east Ecuador. *Bulletin of the British Ornithologists Club* 130:61-68. ([PDF](#))

PRESENTATIONS & LECTURES

INVITED PUBLIC LECTURES

2026	MSU Science on Tap, Brewery Becker, Brighton, MI
2024	Linnaean Society of New York
2023	Pierce Cedar Creek Institute
2023	Bird Protection Quebec, Montreal, Quebec
2022	Hann Endowed Lecture in Ornithology, University of Michigan Biological Station
2022	Society Les Voyageurs, Ann Arbor, MI
2021	Kirtland Bird Club, Cleveland, OH
2019	Science Café, Ann Arbor, MI
2017, 2020	Washtenaw Audubon Society, Ann Arbor, MI
2019	Chicago Bird Collision Monitors, Chicago, IL
2016	Student Birding Club, University of Michigan
2012	DuPage Birding Club, DuPage, IL
2008	College Club of Cleveland, Cleveland, OH
2003	Kachemak Bay Shorebird Festival, Homer, AK

INVITED ACADEMIC SEMINARS

2026	Western University (Ontario, Canada), Dept. of Biological Sciences
2025	Cornell University, College of Agriculture and Life Sciences & Lab of Ornithology
2025	Huron Mountain Wildlife Federation
2025	University of Michigan, Department of Ecology and Evolutionary Biology
2023	University of New Mexico Museum of Southwestern Biology
2022	Bowling Green State University, Department of Biological Sciences
2017, 2022	UM Ecology and Evolutionary Biology Society (undergrad student group; MEEBS)
2021	Georgetown University, Biology of Animal Migration course
2020	University of Wyoming, Department of Zoology & Physiology
2019	University of South Carolina, Department of Biological Sciences
2018	University of Windsor, Department of Biology
2018	Field Museum of Natural History, Integrative Research Center
2018	Eastern Michigan University, Biology Department
2017	Kellogg Biological Station, Michigan State University
2017	Michigan Society of Fellows, University of Michigan
2016	Plenary lecture, 10 th Peruvian Ornithology Congress, Chachapoyas, Peru
2015	University of Michigan, Dept. Ecology & Evolutionary Biology
2015	Christer Hemborg Lecture, Uppsala University, Uppsala, Sweden
2013	Cornell University Graduate Seminar in Ornithology, Ithaca, NY

SYMPOSIA ORGANIZED

- 2025 Roundtable Discussion: *"Maximizing Museum Salvage Collections and Bird Strike Data for Research."* American Ornithological Society meeting, St. Louis, MO.
- 2017 Symposium: *"Trait divergence and speciation: Tempo, mode, and mechanism."* American Ornithological Society meeting, East Lansing, MI
- 2013 Symposium: *"Assembly of the North American Avifauna."* American Ornithologists' Union meeting, Chicago, IL

INVITED SYMPOSIUM TALKS

- 2025 Symposium: Virtual Summit, Bird Collision Prevention Alliance
- 2019 Symposium: *"Migratory Wildlife Collisions with Manmade Structures: Monitoring, Prevention, and Patterns from Collision Data."* Midwest Fish & Wildlife Conference, OH
- 2014 Symposium: *"Genomic approaches to understanding avian speciation."* American Ornithologists' Union meeting, Estes Park, CO
- 2014 SSB Ernst Mayr Award Competition, Evolution Meetings, Raleigh, NC
- 2014 Symposium: *"Location, location, location: New advances in the science of biogeography."* 12th Smithsonian Botanical Symposium, National Museum of Nat. History, Washington, D. C.
- 2007 Symposium: *"Assembling and using the nine-primaried oscine Tree of Life."* American Ornithologists' Union meeting, Laramie, WY

CONTRIBUTED CONFERENCE TALKS & POSTERS: presenting author

- 2023 (talk) American Ornithological Society meeting, London, Ontario
- 2022 (talk) Evolution meetings, Cleveland, OH
- 2021 (talk) American Ornithological Society meeting (virtual)
- 2019 (talk) American Ornithological Society meeting, Anchorage, AK
- 2018 (talk) International Ornithological Society meeting, Vancouver, BC
- 2018 (talk) American Ornithological Society meeting, Tucson, AZ
- 2016 (talk) North American Ornithological Conference, Washington, DC
- 2016 (talk) American Society of Naturalists meeting, Asilomar, CA
- 2013 (talk) Evolution meetings, Snowbird, UT
- 2013 (poster) University of Michigan Early Career Scientists Symposium, Ann Arbor, MI
- 2012 (talk) North American Ornithological Conference, Vancouver, BC
- 2007 (poster) Cornell Undergraduate Research Board Annual Undergraduate Research Forum
- 2007 (poster) Cornell Presidential Research Scholars Senior Exposition
- 2006 (poster) North American Ornithological Conference, Veracruz, Mexico

CONTRIBUTED CONFERENCE TALKS & POSTERS: senior-authored abstracts presented by mentees

*Winger lab graduate student

**Winger lab postdoctoral researcher

+Winger lab undergraduate

- 2026 *Gulson-Castillo et al., American Ornithological Society meeting, Amherst, MA
- 2026 *Witynski et al., American Ornithological Society meeting, Amherst, MA
- 2026 *Hack et al., American Ornithological Society meeting, Amherst, MA
- 2026 *Benavides-Castaño et al., Wilson Ornithological Society meeting, Newport, RI
- 2025 *Hack et al., American Ornithological Society meeting, St. Louis, MO
- 2024 *Hack & Winger, American Ornithological Society meeting, Estes Park, CO
- 2024 *Pegan et al., American Ornithological Society meeting, Estes Park, CO
- 2024 *Wacker & Winger, Evolution meetings, Montreal, Quebec

2023	*Gulson-Castillo et al., American Ornithological Society meeting, London, Ontario
2023	*Hack & Winger, American Ornithological Society meeting, London, Ontario
2023	**Kimmitt et al., American Ornithological Society meeting, London, Ontario
2023	*Pegan et al., American Ornithological Society meeting, London, Ontario
2023	*Wacker & Winger, American Ornithological Society meeting, London, Ontario
2023	*Wacker & Winger, Evolution meetings, Albuquerque, NM
2023	*Pegan et al., Evolution meetings, Albuquerque, NM
2022	*Pegan et al., American Ornithological Society meeting, Puerto Rico
2022	*Wacker et al., American Ornithological Society meeting, Puerto Rico
2022	*Gulson-Castillo et al., American Ornithological Society meeting, Puerto Rico
2022	+Ting et al., American Ornithological Society meeting, Puerto Rico
2022	*Campbell et al., Evolution meetings, Cleveland, OH
2022	**Kimmitt et al., Evolution meetings, Cleveland, OH
2021	*Pegan et al., Evolution meetings (virtual)
2021	*Pegan et al., American Ornithological Society meeting (virtual)
2021	*Gulson-Castillo et al., American Ornithological Society meeting (virtual)
2020	*Gulson-Castillo et al., North American Ornithological Congress (virtual)
2020	+Ting et al., North American Ornithological Conference (virtual)
2019	*Pegan et al., American Ornithological Society meeting, Anchorage, AK
2019	**Weeks et al., American Ornithological Society meeting, Anchorage, AK

RESEARCH FUNDING AWARDED

2026	UMich LSA Associate Professor Support Fund <i>Leveraging historical bird collections to assess the impact of early 20th century logging on avian genetic diversity in North America</i>	\$100,000
2026	UMich Highly Rated Federal Proposals bridge grant <i>Evolution on our tilted planet: Adaptations to seasonality and the maintenance of genetic diversity</i>	\$46,647
2026–2028	Huron Mountain Wildlife Federation <i>Testing the impact of the early logging era on avian genetic diversity in the Huron Mountains and Upper Great Lakes</i>	\$13,640
2024–2026	Huron Mountain Wildlife Federation <i>Understanding the evolution of divergent migratory strategies in boreal-breeding songbirds</i>	\$15,198
2022–2026	National Science Foundation DEB <i>How does seasonal migration influence genetic migration?</i> <i>Testing the evolutionary consequences of a widespread life history adaptation in a species assemblage of boreal birds (sole PI).</i>	\$770,868
2019–2021	UM Institute for Global Change Biology Action Group (co-PI)	\$162,500
2018–2022	MCubed Grant, University of Michigan	\$60,000
2014	Illumina MiSeq grant, Pritzker Lab, Field Museum of Natural History	\$2,850

2013	NSF Doctoral Dissertation Improvement Grant	\$20,061
2013	American Museum of Natural History Frank M. Chapman Memorial Grant	\$1,960
2012	University of Chicago/Field Museum Pritzker Lab student award	\$2,000
2012	University of Chicago Donald Steiner Travel Award	\$2,000
2011	American Ornithologists' Union Alexander Wetmore Award	\$2,500
2011	American Museum of Natural History Frank M. Chapman Memorial Grant	\$2,000
2011	Cooper Ornithological Society Joseph Grinnell Award	\$1,000
2010	Society of Systematic Biologists Graduate Research Award	\$1,700
2010	University of Chicago Hinds Fund Award	\$1,800
2008	National Geographic Society Young Explorers Grant	\$5,000
2008	Explorers Club Youth Activity Fund	\$1,500
2008	Cornell Lab of Ornithology Student Research Grant	\$19,500
2008	Cornell Zoology Club Student Research Grant	\$1,600
2007	Cornell Lab of Ornithology Student Research Grant	\$4,500
2005	Cornell University Morley Student Research Grant	\$1,000

TEACHING

REGULARLY TAUGHT COURSES

Ornithology (EEB433), University of Michigan: 2016, 2018, 2019, 2022, 2023, 2025

Enrollment: 20-25, Credits: 4.0

Evolution (EEB390), University of Michigan: 2020, 2021, 2025

Enrollment: 120, Credits: 4.0

Field Ornithology (EEB330), University of Michigan Biological Station: 2018, 2023

Field-based course, co-taught. Enrollment: 16, Credits: 3.0

OTHER COURSES

2022,2026 The Biology of Animal Migration (BIO121), University of Michigan

2013 Phylogenetics course, NSF-REU, Field Museum of Natural History

GUEST LECTURER

2020 Environmental Journalism (ENVIRON 320), University of Michigan

2018 Unlocking the Museums (BIO 201), University of Michigan

2017 Animal Diversity (BIO 288), University of Michigan

2016 iTropBio tropical biology course, University of Michigan

2016 Landscape History and Diversification, University of Michigan

2012 Ornithology, School of the Art Institute of Chicago

TEACHING ASSISTANT

2013, 2015 Biogeography, University of Chicago (graduate TA)

2011 Environmental Ecology, University of Chicago (graduate TA)

2006 Ornithology, Cornell University (undergraduate TA)

TEACHER TRAINING

2015 & 2017 Teaching Academy, College of Literature, Science, and the Arts, University of Michigan

MENTORSHIP & SUPERVISION**POSTDOCS**

2021–2024 Dr. Abby Kimmitt (now Assistant Professor of Biology, Hofstra University)
2019–2023 Dr. Jacob Berv (co-mentored; now Assistant Professor, UNC Charlotte)
2019–2021 Dr. Marketa Zimova (co-mentored; now Assistant Professor at University of Wyoming)
2017–2019 Dr. Brian Weeks (now Associate Professor at University of Michigan SEAS)

PhD ADVISEES

2026– Sydney Marie Jones
2023– Max Witynski
2021– Matt Hack
2019–2025 Kristen Wacker (now Postdoctoral Fellow, Louisiana State University)
2018–2024 Eric Gulson-Castillo (now Assistant Professor, University of Illinois Urbana-Champaign)
2017–2023 Teresa Pegan (now Assistant Professor, University of Illinois Urbana-Champaign)
2017–2023 Susanna Gutierrez (co-advised; now Postdoctoral Fellow, Human Genetics, Univ. Michigan)

MS ADVISEES

2022–2024 Andrea Benavides Castaño

PhD COMMITTEES (University of Michigan)

2024– G Harrison (Advisor André Green, UM EEB)
2022–2026 Sam Stratton (Advisor André Green, UM EEB)
2022–2025 Tiffany Dias (Advisor Brian Weeks, UM SEAS)
2018–2024 John David Curlis (Advisor Alison Davis Rabosky, UM EEB)
2018–2023 Rachel Wadleigh (Advisor Lacey Knowles, UM EEB)
2017–2022 Giorgia Auteri (Advisor Lacey Knowles, UM EEB)

MS COMMITTEES (University of Michigan)

2021–2022 Chloe Weise (Advisor Elizabeth Tibbetts, UM EEB)
2020–2021 Aurelia Allen (Advisor Catherine Badgely, UM EEB)
2018–2019 Kati Fleming (Advisor Johannes Foufopoulos, UM SEAS)

EXTERNAL EXAMINER/COMMITTEE MEMBER

2026 (PhD examiner) Natalia Pérez Amaya, Universidad Nacional de Colombia
2024– (M.S. committee) Laurie Boulrice, Université Laval, Quebec City, Canada
2021–2025 (PhD committee) Elkin Tenorio, City University of New York
2023–2025 (M.S. committee) Xavier St. Amant, Université Laval, Quebec City, Canada
2023 (PhD examiner) Madeleine Brodbeck, Western University, Ontario, Canada
2023 (M.S. examiner) Andres Felipe Diaz Salazar, Universidad de los Andes, Bogotá, Colombia
2023–2024 (PhD committee) Emily Johns, University of Texas El Paso
2021 (PhD committee) Zach Gayk, University of Windsor
2017 (PhD reader) Joshua Peñalba, Australian National University

UNDERGRADUATE HONORS THESIS EXAMINER, UNIVERSITY OF MICHIGAN

2025 Andrea Hassig
2024 Chris Talbot
2023 Megan Roth
2022 Georgia Mies

2022 Fatime Jomaa
 2022 Vera Ting
 2020 Michael Lyons
 2020 Olivia Hall

UNDERGRADUATE/POSTGRAD RESEARCH ASSISTANTS, INTERNS AND INDEPENDENT STUDY

2026–	Sawyer McCarthy	2022	Elizabeth Stayton
2026	Soren Zapilla	2018–2022	Vera Ting
2025	Zach Cavanaugh	2021–2022	Madisyn Guza
2025	Emma Lindwall	2021–2022	Ethan Van Valkenberg
2025	Libby Brennan	2020–2021	Michael Lyons
2024–2025	Amelia Meares-Parcher	2018–2019	Caleb Kaczmarek
2024	Jonathan Sarasa	2018–2019	Charles Kotila (UM UROP)
2024	Mark Ziebell	2017–2018	Melanie Florkowski
2024	Ashley Vallance	2017–2018	Seana Florida
2022–2026	Connor Jordan	2016–2018	Jessica Yan (UM UROP)
2022–2024	Diego Suazo de la Rosa	2016–2017	Bella Rios (UM UROP)
2022–2023	Fatime Jomaa	2016–2017	Aspen Ellis
2022–2023	Haley Martens	2014	Max Witynski (REU intern)
2022	Sophia Bonnewit	2013	Alice Henry (summer intern)
2022	Claire Pajka		

HIGH SCHOOL STUDENTS

2022 Eladiss Fuge (UM Aspirnaut Summer Research Intern)
 2019 Benjamin Hack (UM research assistant)
 2012 Griffin Harris (summer intern)

EDITORIAL & REFEREE SERVICE

EDITORIAL POSITIONS

2025– Associate Editor, *Journal of Animal Ecology*
 2024 Guest Editor, *Proceedings of the National Academy of Sciences USA*
 2020–2024 Associate Editor, *Ornithology*

GRANT REVIEWER/PANEL SERVICE

2026 ad hoc reviewer, Swiss National Science Foundation
 2024 reviewer, Society of Systematic Biologists grants
 2024 reviewer, Society of the Study of Evolution student awards
 2023 panelist, National Science Foundation, DEB
 2020, 2024 ad hoc reviewer, National Science Foundation, DEB
 2022 ad hoc reviewer, National Science Foundation, IOS
 2020 ad hoc reviewer, UK National Environmental Research Council

JOURNAL AD HOC REVIEWER

<i>American Naturalist</i>	<i>The Condor</i>	<i>Ecology Letters</i>
<i>The Auk</i>	<i>Diversity</i>	<i>Evolution</i>
<i>Biol Journal Linnean Society</i>	<i>Ecography</i>	<i>Functional Ecology</i>
<i>BMC Evolutionary Biology</i>	<i>Ecology</i>	<i>Global Ecol. & Biogeography</i>

<i>Ibis</i>	<i>Nature Ecology & Evolution</i>	<i>Science</i>
<i>Journal of Avian Biology</i>	<i>Oecologia</i>	<i>Science Advances</i>
<i>Journal of Biogeography</i>	<i>Ornithology</i>	<i>Scientific Reports</i>
<i>Journal of Heredity</i>	<i>PeerJ</i>	<i>Systematic Biology</i>
<i>Molecular Ecology</i>	<i>PLOS ONE</i>	<i>Trends in Ecology & Evolution</i>
<i>Mol Phylogenetics & Evolution</i>	<i>PLOS Biology</i>	<i>Wilson Journal of Ornithology</i>
<i>Nature</i>	<i>Proceedings Royal Society B</i>	<i>Zoologica Scripta</i>
<i>Nature Communications</i>	<i>PNAS</i>	
<i>Nature Climate Change</i>	<i>PNAS Nexus</i>	

REVIEWER FOR BOOKS

2022	New Perspectives in Ornithology (Oxford University Press)
2021	Animal Behavior textbook (Rubenstein & Alcock; Oxford University Press)
2020	University of Michigan Press, Digital Media

PROFESSIONAL SERVICE**EXTERNAL SERVICE**

2026–	Council Member (elected), American Ornithological Society
2026	Bridge/Completion Grants Committee, American Ornithological Society
2024–2025	Whitefish Point Bird Observatory advisory Task Force, Michigan Audubon Society
2020–	Collections Committee, American Ornithological Society
2017–2019	Early Career Professionals Committee, American Ornithological Society
2017–2018	North American Classification Committee, American Ornithological Society
2013	Local Committee, American Ornithologists Union meeting, Chicago, IL

UNIVERSITY/DEPARTMENTAL SERVICE

2026–	Associate Chair for Undergraduate Studies & Chair, Undergraduate Affairs Committee, University of Michigan EEB
2023–2026	Member, UM EEB Undergraduate Affairs Committee
2025–	Faculty lead, bird collision mitigation on UM campus (collaboration with Office of Campus Sustainability and Architecture, Engineering, and Construction)
2025	Faculty Search Committee for Lecturer in Biology, UM
2025–	UMMZ Education Committee
2022–2024	Research Advisory Committee, University of Michigan Biological Station
2021–2025	UMMZ Outreach Committee
2023–2024	UMMZ Collections Operations Committee
2022,2023	UM EEB Executive Committee
2022,2023	UM EEB Nominating Committee
2023	Search Committee, UM Pathogens Biorepository Collections Manager
2021–2022	UM NextProf committee
2021–2022	UM Pathogens Biorepository Science Advisory committee
2021–2022	UM Pathogens Biorepository infrastructure committee
2019–2021	Graduate Admissions Committee, University of Michigan
2017–2020	NextProf Mentor, University Michigan
2019	Reviewer, University of Michigan Life Science Fellows
2017–2019	EEB Seminar Committee, University of Michigan
2018	Search Committee Chair, Bird Collections Manager, UMMZ
2018	Search Committee, Registrar, UMMZ

- 2015–2017 Reviewer, Michigan Society of Fellows
- 2016 Organizing committee, 12th University of Michigan Early Career Scientists Symposium, "Frontiers in Community Assembly"
- 2011 Organizer, Sewall Wright Lecture, University of Chicago

MEDIA COVERAGE

HIGHLIGHTS

My research has garnered major media attention with coverage in most major news sources and interviews for popular science outlets including Radiolab and National Geographic Magazine. In 2019, two of my articles were highlighted in University of Michigan News' [Top 20 News Stories of the year](#). In Michigan, I give frequent interviews about ornithology and bird conservation for the state's top media outlets, including Michigan Radio, MLive, and Detroit Free Press. My research is highlighted in textbooks including a feature in the Cornell Lab of Ornithology's Handbook of Bird Biology.

SELECT RESEARCH FEATURES & PROFILES

- 2026 Michigan Research lead feature. [Video](#) | [Article](#)
- 2026 Michigan News, "[UMMZ collection makes wing evolution discovery possible](#)"
- 2025 UMBS Newsletter, "[U-M Research Team Recaptures Songbird Sensors...](#)"
- 2024 UM Museum of Natural History [video feature for Research Station](#)
- 2021 American Ornithological Society [Wingbeat blog feature](#)
- 2017 Living Bird magazine Spring 2017 feature, "[The Evolution of Bird Migration](#)"
- 2016 Textbook box feature, Cornell Lab of Ornithology Handbook of Bird Biology 3rd Edition
- 2014 Featured recordist, Macaulay Library of Natural Sounds Facebook page
- 2011-2015 Research featured in public exhibit at DNA Discovery Center, Field Museum

GENERAL MEDIA INTERVIEWS (SELECT)

- 2025 Detroit Free Press, "[Most birds adapted to...winter in Michigan can handle below-zero cold](#)"
- 2024 Detroit Free Press, "[Wildlife, farm animals, pets: How they fare freezing temperatures...](#)"
- 2022 Audubon, "[How and why did bird migration evolve?](#)"
- 2022 Audubon, "[Many birds are shrinking and growing longer wings as the world warms...](#)"
- 2021 Smithsonian Magazine, "[Animals are changing shape...](#)"
- 2021 Michigan Radio Statewide with April Baer interview, "[Bird migration changes](#)"
- 2021 Michigan Radio Environment Report, "[Migrating birds confused by lighted buildings...](#)"
- 2021 Science News, "[Climate Change may be Shrinking Amazonian Birds](#)"
- 2021 Smithsonian Magazine, "[Climate Change is Transforming the Bodies of Amazonian Birds](#)"
- 2021 Detroit Free Press, "[Rare bird sighting in Saline brings bird-watchers together](#)"
- 2021 MLive, "[It's still winter in Michigan so why are we seeing robins?](#)"
- 2021 Smithsonian Magazine, "[Earth's Harshes Ecosystems May Birth New Species Fastest](#)"
- 2021 Crain's Business Detroit, "[Buildings kill a billion birds a year. Detroit is among the worst...](#)"
- 2020 Greater Bloomfield Megacast Interview on birding in Michigan
- 2020 MLive, "[Why unusual birds are showing up around Michigan this fall](#)"
- 2020 MLive, "[How to level up your Michigan birdwatching this spring](#)"
- 2019 Radiolab, "[There and Back Again](#)"
- 2019 National Wildlife Magazine, "[Going the Distance](#)"
- 2018 National Geographic Magazine, "[The Epic Journeys of Migratory Birds](#)"
- 2013 Groks Science Radio Show, "Discovering Bird Species"
- 2002 Radio interview on ornithology, Jazz Tracks, WCPN Cleveland

SELECT MEDIA COVERAGE FOR SPECIFIC PAPERS

Gulson-Castillo et al. 2023, PNAS ("Space weather disrupts nocturnal bird migration")

[The Weather Channel](#) | [Scientific American](#) | [Newsweek](#) | [The Times UK](#) | [The Debrief](#) | [Scientific American](#)

Zimova et al. 2023, PNAS ("Body size predicts the rate of contemporary morphological change...")

[The Hill](#) | [USA Today](#) | [MLive](#)

Zimova et al. 2021, Journal of Animal Ecology ("Widespread shifts of bird migration phenology...")

[Michigan Radio](#) | [Wildlife Society](#) | [Nature Conservancy Cool Green Science](#)

Van Doren et al. 2021, PNAS ("Drivers of fatal bird collisions...")

[Chicago Tribune front page story & editorial](#) | [New York Times op-ed](#) | [Science Magazine](#) | [The Hill](#) | [Daily Mail](#) | [The Guardian](#)

Weeks et al. 2020, Ecology Letters ("Shared morphological consequences of global warming...")

#1 all-time Altmetric Attention Score for *Ecology Letters* (as of December, 2019)

[Washington Post](#) | [Wall Street Journal](#) | [NBC News](#) | [CNN](#) | [BBC News](#) | [Science Magazine](#) | [National Audubon Society](#) | [Smithsonian Magazine](#)

Winger et al. 2019, Proc B ("Nocturnal flight calling behavior predicts vulnerability to artificial light...")

[Science Magazine](#) | [PBS Nova](#) | [Chicago Tribune](#) | [National Audubon Society](#) | [The Conversation](#) | [NSF News](#) | [The Environment Report](#), [Michigan Radio](#) | [The Guardian](#)

Winger et al. 2014, PNAS ("Temperate origins of long-distance seasonal migration...")

[National Geographic: Not Exactly Rocket Science](#) | [New Scientist](#) | [UChicago ScienceLife](#) | [The Why Files](#) | [Earthweek](#)

Seeholzer et al. 2008, The Auk ("A new species of barbet...")

[Living Bird](#) | [The Guardian](#) | [MSBNC](#) | [Daily Mail](#) | [Yahoo! News](#) | [Science Daily](#) | [Mongabay](#) | [National Audubon Society](#) | [Discovery News](#) | [Yale e360](#) | [Live Science](#) | [American Birding Association](#)

SCIENTIFIC CONSULTANCIES

2019	Silverback Films (for film featuring the evolution of bird migration)
2014	David Attenborough's <i>Conquest of the Skies</i> 3D television series
2007	BBC's <i>Life</i> television series (consultant and field assistant on bird migration)