

## 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, <i>summa cum laude</i>

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### APPOINTMENTS & EXPERIENCE

2024–	Associate Professor and Curator, Department of Ecology and Evolutionary Biology and Museum of Zoology, University of Michigan
2017–2024	Assistant Professor and Curator, Department of Ecology and Evolutionary Biology and Museum of Zoology, University of Michigan
2015–2017	Postdoctoral Fellow, Michigan Society of Fellows, University of Michigan
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

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### FELLOWSHIPS, AWARDS & GRANTS

#### HONORS & AWARDS

2022	Fellow, American Ornithological Society
2022	<a href="#">Brina C. Kessel Award</a> , American Ornith. Society ( <i>for Winger and Pegan 2021</i> )
2022	<a href="#">George Mercer Award</a> , Ecological Society of America ( <i>for Weeks et al. 2020</i> )
2019	<a href="#">Katma Award</a> , American Ornithological Society ( <i>for Winger et al. 2019</i> )
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	<a href="#">Ernst Mayr Award</a> , Society of Systematic Biologists
2014	Council Award, American Ornithologists' Union ( <i>for student presentation at conference</i> )
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

**RESEARCH GRANTS**

2024	Huron Mountain Wildlife Federation	\$9,198
2022–2025	NSF DEB: How does seasonal migration influence genetic migration? Testing the evolutionary consequences of a widespread life history adaptation in a species assemblage of boreal birds (sole PI).	\$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

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**PUBLICATIONS**

‡Leadership as senior or co-senior author

\*Winger lab graduate student

\*\*Winger lab postdoctoral researcher

+Winger lab undergraduate

*In Review/Revision*

Hack, MD\* & **BM Winger**‡. The spatiotemporal effects of seasonal migration on passerine phylogenetic community structure. *In Review*.

Pegan, TM\* & **BM Winger**‡. Large inversion polymorphisms are widespread in North American songbirds. *In Review*. ([Preprint](#))

Wacker\* & **BM Winger**‡. Distinct intraspecific diversification dynamics in Neotropical montane versus lowland birds revealed by whole-genome comparative phylogeography. *In Review*. ([Preprint](#))

Kimmit, AA\*\*, TM Pegan\*, KS Wacker\*, AW Jones & **BM Winger**‡. Comparative whole genome phylogeography reveals genetic distinctiveness of Appalachian populations of boreal songbirds . *In Review*.

*In Press/Published*

Pegan, TM\*, V Ting+, BW Benz, & **BM Winger**‡. 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*. In Press.

**Winger, BM**‡, FA La Sorte, MD Hack\* & TM Pegan\*. 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](#))

Kimmitt, 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](#))

Kimmitt, 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<sup>‡</sup>, GA Montgomery, J Heavyside, AE Moncrieff, O Johnson, & **BM Winger<sup>‡</sup>**. 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<sup>‡</sup>** & 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<sup>\*\*</sup>, DE Willard, **BM Winger<sup>‡</sup>** & BC Weeks<sup>‡</sup>. 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<sup>‡</sup> & **BM Winger<sup>‡</sup>**. 2021. Drivers of fatal bird collisions in an urban center. *Proceedings of the National Academy of Sciences* 118: e2101666118. ([PDF](#))

Pegan, TM\* & **BM Winger<sup>‡</sup>**. 2020. The influence of seasonal migration on range size in temperate North American passerines. *Ecography* 43:1191-1202 ([PDF](#))

Weeks, BC<sup>\*\*</sup>, 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<sup>\*\*</sup>, DE Willard, M Zimova<sup>\*\*</sup>, AA Ellis<sup>+</sup>, ML Witynski, M Hennen & **BM Winger<sup>‡</sup>**. 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<sup>‡</sup>**, BC Weeks, <sup>\*\*</sup> 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<sup>‡</sup>**, GG Auteri, TM Pegan\* & BC Weeks<sup>\*\*</sup>. 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 Marañón 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](#))

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## PRESENTATIONS & LECTURES

### INVITED LECTURES AND PLENARIES

2024	Linnaean Society of New York
2022	Hann Endowed Lecture in Ornithology, University of Michigan Biological Station
2016	Plenary lecture, 10 <sup>th</sup> Peruvian Ornithology Congress, Chachapoyas, Peru
2015	Christer Hemborg Lecture, Uppsala University, Uppsala, Sweden

### INVITED RESEARCH SEMINARS

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

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
2015	University of Michigan, Dept. Ecology & Evolutionary Biology
2013	Cornell University Graduate Seminar in Ornithology, Ithaca, NY

**OTHER INVITED LECTURES**

2023	Pierce Cedar Creek Institute
2023	Bird Protection Quebec, Montreal, Quebec
2022	Society Les Voyageurs, Ann Arbor, MI
2017, 2022	UM Ecology and Evolutionary Biology Society (undergrad student group; MEEBS)
2021	Kirtland Bird Club, Cleveland, OH
2017, 2020	Washtenaw Audubon Society, Ann Arbor, MI
2019	Science Café, Ann Arbor, MI
2019	Chicago Bird Collision Monitors, Chicago, IL
2016	Student Birding Club, University of Michigan
2012	DuPage Birding Club, DuPage, IL
2009, 2012	Board of Trustees meetings, Cornell Lab of Ornithology
2008	College Club of Cleveland, Cleveland, OH
2003	Kachemak Bay Shorebird Festival, Homer, AK

**SYMPOSIA ORGANIZED**

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

**INVITED SYMPOSIUM TALKS**

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

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	**Kimmit 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	**Kimmit 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

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## **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 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

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## **MENTORSHIP**

### **POSTDOCS**

2021–2024 Dr. Abby Kimmitt (now Assistant Professor of Biology, Hofstra University)

2019–2023 Dr. Jacob Berv (co-mentored; now UM MIDAS Postdoctoral Fellow)

2019–2021 Dr. Marketa Zimova (co-mentored; now Assistant Professor at Ohio University)

2017–2019 Dr. Brian Weeks (now Assistant Professor at University of Michigan SEAS)

### **PhD ADVISEES**

2023– Max Witynski

2021– Matt Hack

2019–2025 Kristen Wacker (now Postdoctoral Fellow, Louisiana State University)

2018–2024 Eric Gulson-Castillo (now Donnelley Postdoctoral Fellow, Yale University)

2017–2023 Teresa Pegan (now NSF Postdoctoral Fellow in Biology, Harvard University)

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– Sam Stratton (Advisor André Green, UM EEB)

2022– 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**

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**

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

### **HIGH SCHOOL STUDENTS**

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

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**EDITORIAL & REFEREE SERVICE**
**EDITORIAL POSITIONS**

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

**GRANT REVIEWER/PANEL SERVICE**

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>Ibis</i>	<i>PeerJ</i>
<i>The Auk</i>	<i>Journal of Avian Biology</i>	<i>PLOS ONE</i>
<i>Biol Journal Linnean Society</i>	<i>Journal of Biogeography</i>	<i>Proceedings Royal Society B</i>
<i>BMC Evolutionary Biology</i>	<i>Journal of Heredity</i>	<i>PNAS</i>
<i>The Condor</i>	<i>Molecular Ecology</i>	<i>PNAS Nexus</i>
<i>Diversity</i>	<i>Mol Phylogenetics &amp; Evolution</i>	<i>Science</i>
<i>Ecography</i>	<i>Nature</i>	<i>Science Advances</i>
<i>Ecology</i>	<i>Nature Communications</i>	<i>Scientific Reports</i>
<i>Ecology Letters</i>	<i>Nature Climate Change</i>	<i>Systematic Biology</i>
<i>Evolution</i>	<i>Nature Ecology &amp; Evolution</i>	<i>Wilson Journal of Ornithology</i>
<i>Functional Ecology</i>	<i>Oecologia</i>	<i>Zoologica Scripta</i>
<i>Global Ecol. &amp; Biogeography</i>	<i>Ornithology</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

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**PROFESSIONAL SERVICE**
**EXTERNAL SERVICE**

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**

2022–2024 Research Advisory Committee, University of Michigan Biological Station  
 2023– UMMZ Collections Operations Committee  
 2023– UM EEB Undergraduate Affairs Committee  
 2022, 2023 UM EEB Executive Committee  
 2022, 2023 UM EEB Nominating Committee

2023	Search Committee, UM Pathogens Biorepository Collections Manager
2021–	UMMZ Outreach Committee
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, 12 <sup>th</sup> University of Michigan Early Career Scientists Symposium, "Frontiers in Community Assembly"
2011	Organizer, Sewall Wright Lecture, University of Chicago

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## 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.

### GENERAL INTERVIEWS (SELECT)

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

### SELECT 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](#)

#### OTHER RESEARCH FEATURES & PROFILES

2021	<a href="#">American Ornithological Society Wingbeat blog feature</a>
2017	<i>Living Bird</i> magazine Spring 2017 feature, "The Evolution of Bird Migration"
2016	Textbook box feature, Cornell Lab of Ornithology Handbook of Bird Biology 3 <sup>rd</sup> Edition
2015	Annual Report to Donors, Field Museum of Natural History
2014	Featured recordist, Macaulay Library of Natural Sounds Facebook page
2012	Annual Report to Donors, Field Museum of Natural History
2012	Annual Report to Donors, Cornell Lab of Ornithology
2012	Pritzker Laboratory for Molecular Systematics and Evolution Facebook page
2011-2015	Research featured in public exhibit at DNA Discovery Center, Field Museum
2009	Annual Report to Donors, Cornell Lab of Ornithology
2002	Radio interview on ornithology, Jazz Tracks, WCPN Cleveland

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#### 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 *Life* television series (consultant and field assistant on bird migration)