

## 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*

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### APPOINTMENTS & EXPERIENCE

2017– Assistant Professor, Dept. of Ecology and Evolutionary Biology  
& Assistant Curator of Birds, 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 [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 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

#### RESEARCH GRANTS

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*

Kimmitt, AA\*\*, TM Pegan\*, AW Jones, K Winker & **BM Winger**‡. How Veeries vary: Whole genome sequencing resolves genetic structure in a long-distance migratory bird, *Catharus fuscescens*. In Review. (Preprint: <https://doi.org/10.1101/2023.07.25.550389>)

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. Molecular early burst associated with the diversification of birds at the K–Pg boundary. In Review. (Preprint: <https://doi.org/10.1101/2022.10.21.513146>)

### *Published/In Press*

Pegan, TM\*, JR Berv\*\*, ER Gulson-Castillo\*, Kimmitt AA\*\* & **BM Winger**‡. The pace of mitochondrial molecular evolution varies with seasonal migration distance. *Evolution*. In Press. (Preprint: <https://doi.org/10.1101/2023.08.01.551470v1>)

Wacker, KS\* & **BM Winger**‡. 2023. Phylogeographic diversity in Neotropical birds is higher in mountains but decoupled from speciation rates. *American Naturalist*. In Press.

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](#))

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‡, 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 Linnaean 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<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 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](#))

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**PRESENTATIONS & LECTURES**
**INVITED LECTURES AND PLENARIES**

- 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**

- 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 (PUBLIC OUTREACH)**

- 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**

- 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**

- 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.*"

- 2007 12<sup>th</sup> Smithsonian Botanical Symposium, National Museum of Nat. History, Washington, D. C.  
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

- 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

Enrollment: 20-25, Credits: 4.0

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

Enrollment: ~90, Credits: 4.0

**Biology of Birds** (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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**EDITORIAL & REFEREE SERVICE**
**EDITORIAL POSITIONS**

2020– Associate Editor, *Ornithology*

**GRANT REVIEWER/PANEL SERVICE**

2023 panelist, National Science Foundation, DEB

2022 ad-hoc reviewer, National Science Foundation, IOS

2020 ad-hoc reviewer, UK National Environmental Research Council

2020 ad-hoc reviewer, National Science Foundation, DEB

**JOURNAL AD-HOC REVIEWER**

*American Naturalist*, *The Auk* (now *Ornithology*), *Biol Journal Linnean Society*, *BMC Evolutionary Biology*, *The Condor*, *Diversity*, *Ecography*, *Ecology*, *Ecology Letters*, *Evolution*, *Functional Ecology*, *Global Ecology & Biogeography*, *Ibis*, *Journal of Avian Biology*, *Journal of Biogeography*, *Journal of Heredity*, *Molecular Ecology*, *Mol Phylogenetics & Evolution*, *Nature*, *Nature Communications*, *Nature Climate Change*, *Ornithology*, *PeerJ*, *PLOS ONE*, *Proceedings of the Royal Society B*, *PNAS*, *Science*, *Science Advances*, *Systematic Biology*, *Wilson Journal of Ornithology*, *Zoologica Scripta*

**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**
**ACADEMIC SOCIETY SERVICE**

- 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**

- 2023 UM EEB Undergraduate Affairs Committee  
 2022,2023 UM EEB Executive Committee  
 2022,2023 UM EEB Nominating Committee  
 2022– Research Advisory Committee, University of Michigan Biological Station  
 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, 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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**MENTORSHIP**
**POSTDOCS**

- 2023– Dr. Teresa Pegan  
 2021– Dr. Abby Kimmitt  
 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– Kristen Wacker  
 2018– Eric Gulson-Castillo  
 2017–2023 Susanna Campbell (co-advised)  
 2017–2023 Teresa Pegan

**MS ADVISEES**

2022– Andrea Benavides Castaño

**PhD COMMITTEES (University of Michigan)**

2022– Sam Stratton (Advisor André Green, UM EEB)  
 2022– Tiffany Dias (Advisor Brian Weeks, UM SEAS)  
 2018– 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**

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

**UNDERGRADUATE RESEARCHERS**

2023– Diego Suazo de la Rosa  
 2022– Connor Jordan  
 2018–2022 Vera Ting  
 2021–2022 Madisyn Guza  
 2021–2022 Ethan Van Valkenberg  
 2020–2021 Michael Lyons  
 2018–2019 Caleb Kaczmarek  
 2017–2018 Melanie Florkowski, now PhD student, Texas A&M  
 2017–2018 Seana Florida  
 2016–2018 Jessica Yan (UM UROP); M.S. UM SEAS 2022  
 2016–2017 Bella Rios (UM UROP)  
 2016–2017 Aspen Ellis; now NSF GRFP Fellow, UC Santa Cruz  
 2014 Max Witynski (REU intern); now incoming PhD Student, University of Michigan  
 2013 Alice Henry (summer intern)

**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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## 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)**

- 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"

**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](#)

*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 [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 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 *Conquest of the Skies* 3D television series  
 2007 BBC’s *Life* television series (consultant and field assistant on bird migration)