

Benjamin M. A. Winger

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University of Michigan

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EDUCATION

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

APPOINTMENTS & EXPERIENCE

2017- Assistant Professor, Dept. of Ecology and Evolutionary Biology
& Program in the Environment, University of Michigan
2017- Assistant Curator of Birds, University of Michigan Museum of Zoology
2015-2017 Postdoctoral Scholar, Michigan Society of Fellows, University of Michigan
2016- Research Associate, Ornithology Dept., Cleveland Museum of Natural History
2009-2015 Resident Graduate Student, Field Museum of Natural History
2008-2009 Lab Associate, Cornell Lab of Ornithology
2007-2009 Curatorial Assistant, Ornithology Dept., Cleveland Museum of Natural History
2007 Research Assistant, Ornithology Dept., American Museum of Natural History
2006-2007 Collections Assistant, Cornell University Museum of Vertebrates

FELLOWSHIPS, AWARDS & GRANTS

FELLOWSHIPS

2015-2018 Postdoctoral Fellowship, Michigan Society of Fellows
2015-2017 Donnelley Postdoctoral Fellowship, Yale University (declined for Michigan Fellowship)
2015-2017 Cornell Lab of Ornithology Postdoctoral Fellowship (declined for Michigan Fellowship)
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
2003-2007 College Scholar, Cornell University

HONORS & AWARDS

2017 Elective Member, American Ornithological Society
2016 Best Dissertation Award, University of Chicago Biological Sciences Division
2016 - Honorary Visiting Professor ("Docente Visitante"), Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas, Chachapoyas, Peru
2014 Ernst Mayr Award, Society of Systematic Biologists (for presentation at Evolution Meetings)
2014 American Ornithologists' Union Council Award (for presentation at AOU meeting)
2007 Honors Thesis Proposal Award, Cornell University College Scholars

RESEARCH GRANTS

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|------|---|----------|
| 2014 | Illumina MiSeq grant, Pritzker Lab, Field Museum of Natural History | \$2,850 |
| 2013 | National Science Foundation 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 |

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| 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 | University of Chicago Hinds Fund Award | \$1,800 |
| 2010 | Society of Systematic Biologists Graduate Research Award | \$1,700 |
| 2008 | Cornell Lab of Ornithology Student Research Grant | \$19,500 |
| 2008 | National Geographic Society Young Explorers Grant | \$5,000 |
| 2008 | Explorers Club Youth Activity Fund | \$1,500 |
| 2008 | Jordani 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 |

TRAVEL AWARDS

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| 2014 | Student Conference Travel Award, American Ornithologists' Union |
| 2014 (2x) | Conference Travel Support, University of Chicago Committee on Evolutionary Biology |
| 2012 | Conference Travel Support, University of Chicago Committee on Evolutionary Biology |

PUBLICATIONS

Winger, BM, GG Auteri, TM Pegan & BC Weeks. A long winter for the Red Queen: Seasonal migration and the evolution of geographic range in birds. In Review.

Weeks, BC, DE Willard, AA Ellis, ML Witynski, M Hennen & **BM Winger** *. Body size reductions driven by climate change induce compensatory adaptation in migratory birds. In Review.

*Corresponding Author

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

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

Toews, DP et al. (19 co-authors). 2016. Genomic approaches to understanding population divergence and speciation in birds. *The Auk: Ornithological Advances* 133:130-30.

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). *Molecular Ecology* 24: 6256-6277.

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.

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.

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.

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.

Winger, BM, IJ Lovette & DW Winkler. 2012. Ancestry and evolution of seasonal migration in Parulidae. *Proceedings of the Royal Society of London B* 279:610-618.

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.

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.

RESEARCH PRESENTATIONS

INVITED TALKS & SEMINARS

- 2018 Seminar, Integrative Research Center, Field Museum of Natural History, Chicago, IL
- 2018 Seminar, Biology Dept., Eastern Michigan University
- 2017 Seminar, Kellogg Biological Station, Michigan State University
- 2017 Seminar, Michigan Society of Fellows, University of Michigan
- 2016 Plenary Lecture, 10th Peruvian Ornithology Congress, Chachapoyas, Peru
- 2015 Seminar, Dept. Ecology & Evolutionary Biology, University of Michigan
- 2015 Christer Hemborg Lecture, Uppsala University, Uppsala, Sweden (Invited lecture for an early career researcher in evolutionary biology)
- 2014 Symposium, "Genomic approaches to understanding avian speciation," American Ornithologists' Union meeting, Estes Park, CO
- 2014 Symposium, Society of Systematic Biologists 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 Natural History, Washington, D. C.
- 2013 Seminar, Cornell University Graduate Seminar in Ornithology, Ithaca, NY
- 2013 Symposium, "Assembly of the North American Avifauna," American Ornithologists' Union meeting, Chicago, IL
- 2007 Symposium, "Assembling and using the nine-primaried oscine Tree of Life," American Ornithologists' Union meeting, Laramie, WY.

CONTRIBUTED TALKS & POSTERS

- 2018 (talk) American Ornithological Society meeting, Tucson, AZ
- 2017 (talk) American Ornithological Society meeting, East Lansing, MI
- 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

TEACHING EXPERIENCE**INSTRUCTOR**

- 2018 Biology of Birds (EEB330), University of Michigan Biological Station (field-based course)
2016 Ornithology (EEB433), University of Michigan
2013 Phylogenetics course, National Science Foundation Research Experience for Undergraduates summer program, Field Museum of Natural History
2012 R programming workshop, Field Museum of Natural History Department of Zoology

GUEST LECTURER

- 2017 Animal Diversity (BIO 288), University of Michigan
2016 iTropBio tropical biology course, University of Michigan
2016 Landscape History and Diversification course, University of Michigan
2012 Ornithology, School of the Art Institute of Chicago (Instructor: Dr. Nicholas Block)

TEACHING ASSISTANT

- 2015 Biogeography, University of Chicago (Instructor: Dr. Bruce Patterson)
2013 Biogeography, University of Chicago (Instructor: Dr. Bruce Patterson)
2011 Environmental Ecology, University of Chicago (Instructor: Dr. Trevor Price)
2006 Ornithology, Cornell University (Instructor: Dr. David Winkler)

TEACHER TRAINING

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

MENTORSHIP**POSTDOCS**

- 2017- Dr. Brian Weeks

PhD STUDENTS

- 2018- Eric Gulson-Castillo
2017- Teresa Pegan
2017- Susanna Campbell (co-advised)

UNDERGRADUATES

- 2017- Melanie Florkowski (University of Michigan EEB undergraduate researcher)
2017- Seana Florida (University of Michigan EEB undergraduate researcher)
2016- Jessica Yan (University of Michigan UROP student)
2016-2017 Bella Rios (University of Michigan UROP student)
2016-2017 Aspen Ellis (University of Michigan PitE undergraduate researcher)
2014 Max Witynski (undergraduate student / REU Field Museum summer intern)
2013 Alice Henry (undergraduate student / Field Museum summer intern)

HIGH SCHOOL STUDENTS

- 2012 Griffin Harris (Field Museum summer intern)

PROFESSIONAL SERVICE
DEPARTMENTAL & SOCIETY SERVICE

- 2017- North American Classification Committee, American Ornithological Society
 2017- Early Career Professionals Committee, American Ornithological Society
 2017-2018 EEB Seminar Committee, University of Michigan
 2017 Symposium co-organizer, "Trait divergence and speciation: Tempo, mode, and mechanism," American Ornithological Society meeting, East Lansing, MI.
 2016 Organizing committee, 12th University of Michigan Early Career Scientists Symposium, "Frontiers in Community Assembly"
 2013 Symposium co-organizer, "Assembly of the North American Avifauna," American Ornithologists Union meeting, Chicago, IL
 2013 Local Committee, American Ornithologists Union meeting, Chicago, IL
 2011 Organizer, Sewall Wright Lecture, University of Chicago

JOURNAL REFEREE

| | | |
|-------------------------------------|--|--------------------------------------|
| <i>American Naturalist</i> | <i>Ibis</i> | <i>PeerJ</i> |
| <i>BMC Evolutionary Biology</i> | <i>Journal of Avian Biology</i> | <i>PLOS ONE</i> |
| <i>Condor</i> | <i>Journal of Biogeography</i> | <i>Proc Roy Soc B Biol Sci</i> |
| <i>Biol Journal Linnean Society</i> | <i>Molecular Ecology</i> | <i>Science Advances</i> |
| <i>Evolution</i> | <i>Mol Phylogenetics & Evolution</i> | <i>Wilson Journal of Ornithology</i> |

PUBLIC OUTREACH AND EDUCATION
MEDIA COVERAGE

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|-----------------------|--------------------------|----------------------|
| Aububon Magazine Blog | Groks Science Radio Show | Science Daily |
| Birding magazine | LiveScience | Science Dialogues |
| Birdwatch UK | Living Bird | Sci News |
| Cornell Chronicle | Mongabay | UChicago ScienceLife |
| Daily Mail | MSNBC | The Why Files |
| Discovery News | National Geographic | Yale e360 |
| EarthWeek | New Scientist | Yahoo! News |
| The Guardian | Our Amazing Planet | |

RESEARCH FEATURES & PROFILES

- 2017 EEB web feature, University of Michigan, "New speciation research in Andean cloud forest birds shines light on age-old questions"
 2017 *Living Bird* magazine Spring 2017 feature, "The Evolution of Bird Migration,"
 2015 Annual Report to Donors, Field Museum of Natural History (featured for migration research)
 2014 Featured recordist, Macaulay Library of Natural Sounds Facebook page
 2013 Radio interview, Groks Science Radio Show
 2012 Annual Report to Donors, Field Museum of Natural History (for discovery of new species)
 2012 Annual Report to Donors, Cornell Lab of Ornithology (for discovery of new species)
 2012 Pritzker Laboratory for Molecular Systematics and Evolution Facebook page
 2011-2015 Research featured in public exhibit at DNA Discovery Center, Field Museum
 2010 Featured scientist, Wingtrip.org natural history blog
 2009 Annual Report to Donors, Cornell Lab of Ornithology (featured for expedition to Peru)
 2002 Radio interview on ornithology, Jazz Tracks, WCPN Cleveland

INVITED LECTURES

- 2017 Washtenaw Audubon Society, Ann Arbor, MI
 2017 Michigan Ecology and Evolutionary Biology Society (student group), University of Michigan
 2016 Student Birding Club, University of Michigan
 2012 DuPage Birding Club, DuPage, IL (on ornithological exploration in Peru)
 2009, 2012 Board of Trustees meetings, Cornell Lab of Ornithology (on expedition to Peru)
 2008 College Club of Cleveland, Cleveland, OH (on ornithological exploration in the Neotropics)
 2003 Kachemak Bay Shorebird Festival, Homer, AK (on shorebird biology)

SELECT POPULAR ARTICLES

- Winger, B. 2012. New species and new birders: A reflection on ABA youth programs. *Winging It* 24(5)
 Winger, B. 2003. Molt strategies in adult dowitchers: Criteria for field identification in Ohio. *The Ohio Cardinal* 26(3):125-136
 Winger, B. 2001. Molt in shorebirds. *A Bird's-Eye View* 9(5):1-3

CONSULTANCIES

- 2014 David Attenborough's *Conquest of the Skies* 3D television series
 2007 BBC's *Life* television series (consultant and field assistant)

SELECT FIELD EXPERIENCE

- 2017 Expedition Co-Leader, University of Michigan Museum of Zoology and Cleveland Museum of Natural History joint expedition to Minnesota & Upper Peninsula, Michigan
 2016 Expedition Co-Leader, University of Michigan Museum of Zoology and Cleveland Museum of Natural History joint expedition to Alberta, Canada
 2008-2014 Expedition Co-Leader, Cleveland Museum of Natural History expeditions (U.S.)
 2013 Avian audio recordist, dissertation research (Peru and Ecuador)
 2011 Expedition Leader, Field Museum expedition (Peru)
 2010 Expedition Co-Leader, Field Museum expedition (Peru)
 2004-2009 Field Assistant, PRBO Conservation Science Eastern Sierra Program (California)
 2008 Expedition Co-Leader, Cornell University Museum of Vertebrates expedition (Peru)
 2007 Field Assistant, Jocotoco Conservation Foundation (Ecuador)
 2002-2007 Field Assistant, Cornell University Golondrinas de las Americas (California, New York and Argentina)
 2003 Field Assistant, Cleveland Museum of Natural History Natural Areas Program (Ohio)
 1997- Extensive birding and natural history travel throughout North America and the Neotropics

ADVISORS
PhD Committee:

- Dr. John Bates (Advisor/Chair), Field Museum of Natural History
 Dr. Shannon Hackett, Field Museum of Natural History
 Dr. Marcus Kronforst, University of Chicago
 Dr. Trevor Price, University of Chicago
 Dr. Richard Ree, Field Museum of Natural History

Undergraduate Advisors/Mentors:

Dr. Irby Lovette, Cornell University
Dr. David Winkler, Cornell University
Dr. Kimberly Bostwick, Cornell University