

# Giorgia Auteri

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2020D, Biological Sciences Building, 1105 N. University Ave., Ann Arbor, MI 48108

## EDUCATION

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*Ph.D. student*, Ecology and Evolutionary Biology August 2016–*present*  
**University of Michigan** (UM), Ann Arbor, MI  
• Advisor: L. Lacey Knowles

*Master of Science*, General Biology, 3.72 GPA May 2016  
**Eastern Michigan University** (EMU), Ypsilanti, MI  
• Thesis: Activity and migration of bats in and around Saginaw Bay, Lake Huron  
• Advisor: Allen Kurta

*Bachelor of Science in Public Affairs*, Environmental Management, 3.74 GPA December 2010  
**Indiana University** (IU), Bloomington, IN  
• Graduated with honors and high distinction  
• Thesis: Plasticity of migratory behaviors & potential implications for releases of captive-bred vertebrates  
• Advisor: Vicky Meretsky

## AWARDS & FELLOWSHIPS

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- Katma Award for a paper challenging accepted dogma; American Ornithological Society 2019
- Best student talk; Midwest Bat Working Group: \$250 2019
- UM EEB post-candidacy fellowship 2018
- Luis Bacardi Bat Conservation Award for a student talk; NA Society for Bat Research: \$500 2018
- UM EEB pre-candidacy fellowship 2017
- Student Science Policy Fellow; American Society of Mammologists 2017
- Science Communication Fellow; UM Ruthven Museum of Natural History 2016
- Best Platform Paper; EMU Graduate Research Conference: \$250 2014

## GRANTS

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- Pre-candidacy Grant; UM Rackham: \$1,500 2019
- Barr-Bigelow Grant; UM Ecology and Evolutionary Biology: \$ 1,928 2018
- Pre-candidacy Grant; Rackham Graduate School: \$1,500 2018
- UM EEB travel grant (3x): \$400 each 2016, '17, '18
- Rackham travel award (3x): \$800 (2x), \$1,050 2016, '17, '18
- Block Grant; UM Ecology and Evolutionary Biology: \$1,438 2017
- Don Brown and Meta Hellwig and Research Award; EMU Biology: \$4,000 2014
- Scholarship for an outstanding incoming graduate student; EMU: \$4,000 2013
- Research Grant; Center for NA Bat Research and Conservation: \$1,000 2012
- Izaak Walton League Scholarship; IU: \$1,000 2009

## TEACHING EXPERIENCE

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Graduate Student Instructor, *UM*, Ann Arbor, MI

Fall 2016–*present*

- Introductory biology lab (Bio 173; 3 semesters)
- Introductory biology discussion (Bio 171; 2 semesters)
  - Also served as liaison to the Science Learning Center for Bio 171 study groups

Guest Lecturer, Saginaw Valley State University, Saginaw, MI

Fall 2015

- Guest lecturer for Comparative Vertebrates

Graduate Teaching Assistant, *EMU*, Ypsilanti, MI

Fall 2013–Spring 2015

- Instructed Introductory Biology (non-science majors; 3 semesters) & Introductory Biology II (for-majors; 1 semester) laboratory classes
- Taught key concepts to students, supervised laboratory procedures, and graded student assignments

## RESEARCH EXPERIENCE

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Graduate Student Curatorial Assistant (UMMZ, Insect Division)

January 2020–*present*

- Assist with inventorying the collection, and digitizing and uploading data to public repositories

Staff Scientist, *Civil and Environmental Consultants, Inc.*, Indianapolis, IN

May 2015–June 2016

- Lead surveys for bats via mist-netting, acoustic monitoring, and radio-tracking
- Help prepare reports and permits, review acoustic data, help maintain and monitor field equipment

Thesis Research, *EMU*, Ypsilanti, MI

August 2012–April 2015

- Designed an experiment to examine trends in bat movements during migration in southwestern Lake Huron
- Conducted mist-netting, radio-tracking, acoustic monitoring, and various statistical analyses

Hibernacula Survey Technician, *EMU Bat Lab*, Upper Peninsula, MI

February 2014, '15, & '16

- Surveyed hibernating bats in mines and caves
- Swabbed bats and substrates for *Pseudogymnoascus destructans* (causative agent of white-nose syndrome)

Undergraduate Thesis / Research Project, *IU*, Bloomington, IN

August–December 2010

- Examined annual migration as a phenomenon and compared annual migration behavior of captive-bred, vertebrate species with their wild born counterparts (through literature review)

## PUBLICATIONS

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2019. Auteri, G.G., and L.L. Knowles. Decimated little brown bats show potential for adaptive change. *Scientific Reports*. (Accepted).

2018. Winger, B.M., G.G. Auteri, T. M. Pegan, and B.C. Weeks. A long winter for the Red Queen: rethinking the evolution of seasonal migration. *Biological Reviews* (94):737–752.

2018. Kurta, A., G.G. Auteri, J.E. Hofmann, J.M. Mengelkoch, J.P. White, J.O. Whitaker, Jr., T. Cooley, and J. Melotti. Influence of a Large Lake on the winter range of a small mammal: Lake Michigan and the silver-haired bat (*Lasionycteris noctivagans*). *Diversity* (10): 24.

2016. Auteri, G.G., and A. Kurta. A new northern record of the evening bat in Michigan. *Michigan Birds and Natural History* (23):147–149.

2015. Auteri, G.G., and A. Kurta. New records of evening bats in Washtenaw County, Michigan. *Michigan Birds and Natural History* (22):225–227.

**PRESENTATIONS**

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2019. Auteri, G.G., and L.L. Knowles. Good genes or good luck? Little brown bats show signs of evolution in response to white-nose syndrome. Midwest Bat Working Group, Chicago, Illinois. (Contributed talk).

2018. Auteri, G.G., and L.L. Knowles. Good genes or good luck? Little brown bats show signs of evolution in response to white-nose syndrome. 48<sup>th</sup> Annual Research Symposium, Puerto Vallarta, Mexico. (Contributed talk).

2016. Auteri, G.G. and A. Kurta. Roost Selection by the eastern red bat during migration. North American Society for Bat Research and Conservation, 46<sup>th</sup> Annual Research Symposium, San Antonio, Texas. (Contributed poster).

2015. Auteri, G.G., and A. Kurta. Abundance of eastern red bats over a six-year period in the Eastern United States. North American Society for Bat Research and Conservation, 45<sup>th</sup> Annual Research Symposium. Monterey, California. (Contributed poster).

2014 Auteri, G.G., and A. Kurta. Migration of bats in and around Saginaw Bay. Michigan. North American Society for Bat Research and Conservation, 44<sup>th</sup> Annual Research Symposium. Albany, New York. (Contributed talk).

2013 Auteri, G.G., and A. Kurta. Species composition and residency status of bats on a small island in Lake Huron. International bat research conference / North American Society for Bat Research and Conservation. San Jose, Costa Rica. (Contributed poster).

2012 Auteri, G.G., J. O’Keefe, and A. Kurta. Climate and reproduction of big brown bats over and 11-year period in Indiana. San Juan, Puerto Rico. (Contributed poster).

**PROFESSIONAL SOCIETIES**

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• North American Society for Bat Research and Conservation (2012–) • Midwest Bat Working Group (2013–) • Michigan Bat Working Group (2014–) • Society for Integrative and Comparative Biology (2016–17) • National Speleological Society (2016–) • American Society of Mammalogists (2016–) • Society for the Study of Evolution (2016–) • Society of Systematic Biologists (2017–)

**SERVICE AND OUTREACH**

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Volunteer, SACNAS (Society for Advancement of Chicanos/Hispanics and Native Americans in Science)

- At the request of the Little Traverse Bay Bands of Odawa Indians, designed an activity on how we can use technology (bioacoustic monitors on iPads) to study bats, including information on local bat species. This was part of an annual event organized by SACNAS. 2019

Work with the Detroit Zoological Society

- I have formed a partnership with the Detroit Zoo which includes providing guidance on citizen-science bat monitoring, analyzing data collected by citizen-scientists, and occasional public talks on bats at the zoo during outreach events (e.g. for their annual bat festival). 2018–*present*

GREEBS—UM Graduate Researchers in Ecology and Evolutionary Biology

- GREEBS president (*present*)

- GREEBS representative on the Early Career Scientists Symposium (ECSS; 2019)

#### Public Talks—I have given a number of general talks for the public

- Society Les Voyageurs: *Bats and white-nose syndrome* (with special focus on best-practices for cavers; 2019)
- Detroit Zoological Society: *Bats: Current threats and what you can do to help* (2019)
- Ivy Tech Community College/Indiana University Columbus: *Careers in wildlife biology* (2018)
- Sierra Club, Winding Waters Group (two talks): *Bats in the backyard: A taste of Indiana's night life* and *Bat migration in action* (2017 & 2018)
- Washtenaw County Soil and Water Conservation District: *Bats in the backyard: A taste of Michigan's night life* (2017)

#### Citizen Science Coordinator, *Organization for Bat Conservation*, Cranbrook, MI May 2016–present

- Guide citizen science bio-acoustic monitoring for bats throughout Michigan
  - Design state-wide survey protocol and route development
  - Coordinate volunteer surveyors
  - Analyze data and prepare annual report for MI Department of Natural Resources

#### Science Communication Fellow, *University of Michigan*

November 2016–May 2017

- Developed an interactive exhibit for museum-goers to learn about the selective force of diseases
- Guide visitors through the activity during Scientist Spotlight and Membership events at the museum

#### Education outreach:

- D-Town Farms BioBlitz: helped with activities at an urban farm in Detroit 2017
- Great Lakes Bat Festival: volunteered with “Be a bat biologist” activity for kids. 2016
- Wyle Elementary School: organized mist-netting and radio-tracking activity for 4<sup>th</sup> graders 2013
- Ann Arbor Hands-on Museum: taught elementary school students about heart rate and activity 2013