

Carly M. Crow

Master of Science in Biology
Northern Illinois University
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Education

Northern Illinois University, DeKalb, Illinois

Master of Science in Biology

July 2022

Published Thesis Chapters:

- *How host nest structure, material, and spatial distribution influence prevalence of the Avian vampire fly in its native range*; Escuela Superior Politecnica del Litoral (ESPOL), Guayaquil, Ecuador
- *Hitchhikers guide to Galapagos: Invasive insect use of tourist boats to travel the archipelago*; Charles Darwin Research Foundation, Isla Santa Cruz

University of Georgia, Athens, Georgia

Bachelor of Science in Ecology

August 2018

Publications

Melia Romine, Sarah A. Knutie, **Carly M. Crow**, Grace J. Vaziri, Jaime Chaves, Jennifer A.H. Koop, Sangeet Lamichhaney (2021). "The genome sequence of the avian vampire fly (*Philornis downsi*), an invasive nest parasite of Darwin's finches in Galápagos". bioRxiv 2021.06.09.447800; doi: <https://doi.org/10.1101/2021.06.09.447800>

Ayala, A.J. Haas, L.K., Fink, S.S., Dornbush, J.I., Williams, B.M., Crane, J.L. Camp, C.A., **Crow, C.M.**, Schappagh, S., Goodman, A.J., Cook, S.M., Head, L.J., Thompson, K.T., Olivier, T.L., Yabsley, M.J., & S.M. Hernandez (2019). "Do free-range chickens equal free-ranged pathogens?". *Submitted for Publication in the 2019 Annual International Conference Agenda, 68th Wildlife Disease Association Conference. Fostering Resilience in a Time of Change. Tahoe City, California.*

Teaching

Graduate Teaching Assistant

August 2020-May 2021

- Successfully transitioned a traditionally in-person lab section to an online lab section for General Ecology (BIOS 316) during Fall 2020 to accommodate COVID social distancing requirements
- Created and executed lectures and practical exams for two lab sections for Birds & Mammals (BIOS 457/557) at Northern Illinois University Spring 2021

Resident Naturalist at UGA Costa Rica

August 2018-February 2019

- Developed excellent skills in communicating lessons in tropical ecology to a wide audience ranging from visiting guests with a casual interest to university students taking a credited course; my primary area of focus were ornithology and general tropical ecology.

Scholarships & Grants

Elwood and Ruth Briles Memorial Grant Recipient

- January 18, 2021
- \$4,000 awarded by NIU Graduate Committee to fund graduate thesis research

Zell Miller Scholarship

- August 2014-August 2015 & August 2016-August 2018
- \$19,520 awarded annually by the State of Georgia to offset state institution tuition

UGA Foundation Incentive Scholarship for UGA Costa Rica: Tropical Ecology

- February 2017
- \$2,000 Award for a Maymester Tropical Ecology Study Aboard Program in located in Costa Rica

Costco Outstanding Student Award

- August 2015 & January 2016
\$1,200 Awarded for Outstanding Academic and Extracurricular Achievement

Research Assistant Positions

Coweeta Long Term Ecological Research Center, Otto, North Carolina
Assistant Bird Bander
April 2020- July 2020

- Assistant Bird Bander for PhD candidate Heath Gaya; part of a long-term ecological research project investigating range responses of climate sensitive passerine warblers of the southern Appalachian Mountains.

Yucatan Center for Scientific Research (CICY), Merida, Mexico

Mist Netting Field Assistant
February 2020- March 2020

- Field technician assisting M.S. student Sra. Ingrid Tello-Lopez band Nearctic-Neotropical migrants in multiple field sites in the Yucatan Peninsula, Mexico.

University of Southern Mississippi, Hattiesburg, Mississippi

Spring Migration Mist Net Assistant
March 2019-May 2019

- Field technician assisting Dr. Theodore J. Zenzal collecting various data on Nearctic-Neotropical migrants and their usage of a stopover site in Lake Charles, Louisiana.

University of Georgia Costa Rica, San Luis de Monteverde, Costa Rica
Intern Resident Naturalist
August 2018-February 2019

- Conducted independent research analyzing how avian biodiversity changes temporally for various habitat types on campus.
- Point of contact and data manager for bird window collisions on campus property.
- Field assistant for “Investigation of Orchid Bee Biodiversity in the Monteverde Area”.

University of Georgia, Athens, Georgia
Avian Field Technician
September 2017- December 2017

- Field assistant to Dr. Andrea Ayala’s research “Transmission of Respiratory Pathogens from Backyard Chickens to Wild Birds”, which investigated if Newcastle virus is transmitted from domesticated chickens to common wild birds in Georgia.

Coweeta Long Term Ecological Research Center, Otto, North Carolina
Avian Field Technician
June-July 2017 and May 2018

- Field technician for the 2017 and 2018 bird banding seasons for University of Georgia professor Dr. Jeffrey Hepinstall-Cymerman.

Professional Development

***Philornis downsi* and Galapagos Land Birds Workshop**
May 4th-6th, 2021

- Two-day international conference where researchers shared their work with others in the field of *Philornis downsi* and the land birds of the Galapagos Islands

Introduction to R

November – December 2020

- Participated in a 12-part course on the basic uses of the Statistical Program R

Service

Bird Window Collision Monitoring and Prevention Co-leader at NIU

- Organize, manage, and provide mentorship for an undergraduate lead bird window collision monitoring program through the Inclusive Birding Club at Northern Illinois University

Secretary for NIU’s Inclusive Birding Club

- Served as a founding leadership for Northern Illinois University’s Inclusive Birding club from September 2020 to December 2021

Recreational Sports Coordinator for NIU’s Biology Graduate Student Association

- Organized and facilitated recreation sports events for the Biology Graduate Student Association to facilitate student community at the university

Mentorship

Research Mentor

- Mentor to fourth-year undergraduates Amanda Biesk and Alexis Traylor teaching DNA extraction methods, Avian vampire fly identification, lab management techniques, data management, and simple statistical methods to help them develop research posters during Fall 2021