

Alec B. Luro

University of Illinois at Urbana-Champaign
Department of Evolution, Ecology & Behavior
505 S. Goodwin Ave.
Urbana, IL 61801

Email: alec.b.luro@gmail.com

EDUCATION

Ph.D. candidate (passed preliminary exams 12/2018)	<i>Evolution, Ecology and Behavior</i> University of Illinois, Urbana-Champaign Advisor: Dr. Mark E. Hauber	2016-Current (Anticipated 2021)
M.A.	<i>Animal Behavior and Conservation</i> CUNY–Hunter College, New York Advisor: Dr. Mark E. Hauber	2014-2016
B.Sc.	<i>Ecology, Evolution and Behavioral Biology</i> University of New Hampshire, Durham Advisor: Dr. John F. Burger	2009-2013

RESEARCH INTERESTS

Behavioral ecology, visual ecology, evolution of color, avian brood parasitism, and species recognition in birds

AWARDS AND FELLOWSHIPS

2020	UIUC Student Sustainability Committee, "Preventing bird window strike deaths at the University of Illinois Campus"	\$78,000
	Francis M. and Harlie M. Clark Research Support Grant	\$1,000
2019	GAAN Fellowship	\$14,037

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2018	Francis M. and Harlie M. Clark Research Support Grant	\$1,000
	Edwin M. Banks Award	\$1,000
	Animal Biology Summer Stipend Award	\$3,100
2017	Illinois Ornithological Society Award	\$1,000
2017	Edwin M. Banks Award	\$1,000

PUBLICATIONS

2020

Luro AB, Fernandez-Juricic E, Baumhardt P & Hauber ME. (2020) Visual acuity and egg spatial chromatic contrast predict egg rejection behavior of American robins. **Journal of Experimental Biology** jeb.229609 doi: 10.1242/jeb.229609

Clem CS, Sparbanie TM, **Luro AB**, & Harmon-Threatt AN. (2020) Anthophilous hover flies (Diptera: Syrphidae) may visually discriminate neonicotinoid insecticides in sucrose solution: a choice experiment. **PLoS ONE** 15: e0234820.
<https://doi.org/10.1371/journal.pone.0234820>

Luro AB & Hauber ME. (2020) Avian diet and foraging ecology constrain foreign egg recognition and rejection. **Avian Biology Research** 13:24-31.
doi:10.1177/1758155920914575

2019

Hauber ME, Dainson MD, **Luro AB**, Louder AA & Hanley D. (2019) When are egg-rejection cues perceived? A test using thermochromic eggs in an avian brood parasite host **Animal Cognition** 22.6: 1141-1148

Hauber ME, Bond AL, Kouwenberg AL, Robertson GJ, Hansen ES, Holford M, Dainson M, **Luro AB**, & Dale J (2019) The chemical basis of a signal of individual identity: Shell pigment concentrations track the unique appearance of Common Murre eggs. **Journal of the Royal Society Interface** 16(153): 20190115

2018

Hauber ME, **Luro AB**, McCarty CJ, Barateli K, Cassey P, Hansen E, & Dale J (2018). Interannual repeatability of eggshell phenotype in individual female Common Murres (*Uria aalge*). **Canadian Journal of Zoology** 97(4), 385-391

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Luro AB, Iqic B, Croston R, López AV, Shawkey MD & Hauber ME (2018). Which egg features predict egg rejection responses in American robins? Replicating Rothstein's (1982) study. **Ecology and Evolution 8: 1673-1679**

2017

Luro AB & Hauber ME (2017). A test of the nest sanitation hypothesis for the evolution of foreign egg rejection in an avian brood parasite rejecter host species. **The Science of Nature 104:14**

PRESENTATIONS & POSTERS

2020

Preventing bird window strike deaths at the University of Illinois campus
Graduates in Ecology & Evolutionary Biology Symposium

2018

The evolution of plumage sexual dichromatism in a globally-distributed avian genus, the true thrushes*
Sensorium, Purdue University

A foraging ecology hypothesis for the evolution of egg rejection in brood parasite hosts
International Society for Behavioral Ecology, Minneapolis, MN

The evolution of plumage color in true thrushes
Graduates in Ecology and Evolutionary Biology Symposium, University of Illinois at Urbana-Champaign

2017

A foraging ecology hypothesis for the evolution of egg rejection in brood parasite hosts
American Ornithological Society Meeting, Michigan State University

The evolution of plumage sexual dichromatism in a globally-distributed avian genus, the true thrushes*
Midwest Ecology and Evolution Conference, University of Illinois at Urbana-Champaign

2016

Is nest sanitation a covariate, pre-adaptation, or by-product of egg ejection? *
Animal Behavior Society Meeting, Columbia, MO

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TEACHING

- 2019** **Teaching Assistant, Ornithology**
University of Illinois, Urbana-Champaign
School of Integrative Biology
Instructor: Prof. Mark Hauber
- 2018** **Teaching Assistant, Ecology**
University of Illinois, Urbana-Champaign
School of Integrative Biology
Instructor: Prof. Andrew Leakey & Andrew Suarez
Lab Coordinator: Nicholas Morphew
- 2017** **Teaching Assistant, Environmental Biology (Online)**
University of Illinois, Urbana-Champaign
School of Integrative Biology
Instructor: Prof. Surangi Punyasena
Teaching Assistant, Anatomy and Physiology
University of Illinois, Urbana-Champaign
School of Integrative Biology
Instructor: Prof. Philip Anderson & Dr. Jennifer Hellmann
Lab Coordinator: Nicholas Morphew
- 2016** **Teaching Assistant, Organismal and Evolutionary Biology**
University of Illinois, Urbana-Champaign
School of Integrative Biology
Instructor: Dr. Ben Clegg

ATTENDED TEACHING SEMINARS/WORKSHOPS

- 2019** **Undergraduate Research Apprenticeship Program (URAP) Graduate Seminar**
- 2018** **Center for Writing Studies' Writing Across the Curriculum TA Seminar**
- 2016** **Teaching strategies for active learning**
Led by Denise Kendall

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SERVICE AND OUTREACH

2019

Graduates in Ecology & Evolutionary Biology

Co-leader of Fall 2019 Bird Window Strike Survey at UIUC campus

University of Illinois Board of Trustees Meeting

Preventing bird window strike deaths at the University of Illinois campus

Champaign Audubon Society

Presentation about bird window strike deaths in North America

GEEB Symposium

Presentation judge and symposium program cover illustrator

2017-2018

Field ornithology demonstration

Country Arbors Nursery
Urbana, IL

UNDERGRADUATE MENTORING & TRAINING

2020

Undergraduate Research Apprenticeship Program (URAP)

Susie Chae, Animal Sciences major
Zoriamin Rivera, SIB major

2017-2019

Field Ornithology

David Taylor, SIB major
Stephen Herrington, SIB major
Noah Starr, SIB major

AFFILIATIONS

Animal Behavior Society, American Ornithologists' Union, Wilson Ornithological Society, Society for the Study of Evolution, Illinois Ornithological Society