

# Alec B. Luro

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

Email: [alec.b.luro@gmail.com](mailto: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"	\$75,000
	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	\$1,000
	Research Support Grant	
	Edwin M. Banks Award	\$1,000
2017	Animal Biology Summer Stipend	\$3,100
	Award	
	Illinois Ornithological Society Award	\$1,000
2017	Edwin M. Banks Award	\$1,000

## PUBLICATIONS

### 2020

**Luro AB**, Fernandez-Juricic E, Baumhardt P & Hauber ME. Visual acuity and egg spatial chromatic contrast predict egg rejection behavior of American robins. **Journal of Experimental Biology** (*to be submitted*)

Clem CS, Sparbanie TM, **Luro AB**, & Harmon-Threatt AN. Anthophilous hover flies (Diptera: Syrphidae) may visually discriminate neonicotinoid insecticides in sucrose solution: a choice experiment. **PLOS One** (*submitted*)

**Luro AB** & Hauber ME. (2020) Avian diet and foraging ecology constrain foreign egg recognition and rejection. **Avian Biology Research** (*in press*)

### 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

**Luro AB**, Igic 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

## TEACHING

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

## ATTENDED TEACHING SEMINARS/WORKSHOPS

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

## SERVICE AND OUTREACH

2019	<b>Graduates in Ecology &amp; Evolutionary Biology</b>
	Co-leader of Fall 2019 Bird Window Strike Survey at UIUC campus
	<b>Champaign Audubon Society</b>
	Presentation about bird window strike deaths in North America
	<b>GEEB Symposium</b>
	Presentation judge and symposium program cover illustrator
2017-2018	<b>Field ornithology demonstration</b>
	Country Arbors Nursery
	Urbana, IL

## UNDERGRADUATE MENTORING & TRAINING

2020	<b>Undergraduate Research Apprenticeship Program (URAP)</b>
	Susie Chae, Animal Sciences major
	Zoriamin Rivera, SIB major
2017-2019	<b>Field Ornithology</b>
	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