

Abigail A. Kimmitt
akimmitt@indiana.edu

Indiana University
1001. E 3rd Street
Bloomington, IN 47405

EDUCATION

Indiana University

Ph.D. Student in Ecology, Evolution, and Behavior

Bloomington, IN
Advisor: Ellen Ketterson
Exp. Graduation: May 2019

University of Mary Washington

Bachelor of Science in Biology with Honors
Graduated Magna Cum Laude
Double Major in Environmental Science

Fredericksburg, VA

Graduation: May 2013

Honors thesis title: The effect of handling time on stress responses in the Tufted Titmouse (Baeolophus bicolor)

PUBLICATIONS

Kimmitt, A.A., S.L. Dietz, D.G. Reichard, and E.D. Ketterson. Male courtship preference as a potential barrier to gene flow between two seasonally sympatric subspecies. *In prep.*

Reichard, D.G., **A.A. Kimmitt**, J.F. Welklin, E.D. Ketterson. Songbird courtship tactics: paired and unpaired males differ in behavior, morphology, and hormones. 2017. *The Auk*.

O'Dell, D.A., M.A. Carlo, **A.A. Kimmitt**, E.K. Bikowski, K.R. Morris, and A.S. Dolby. A Comparison of Techniques Measuring Stress in Birds. 2014. *Virginia Journal of Science*.

RESEARCH GRANTS (\$7,607.88 to date)

2017. Animal Behavior Society Student Research Grant (\$1,000.00)

2017. Louis Constable Hoover Fellowship (\$1,500.00)

2016. American Ornithological Union Research Award (\$2,056.88)

2015. Indiana Academy of Science Research Award (\$2,551.00)

2015. Indiana University Research and Teaching Preserve Research Grant (\$500.00)

AWARDS AND FELLOWSHIPS

2017. The Avian, Wildlife, and Habitat Studies Scholarship (\$10,833.00)

2017. Center for Integrative and Comparative Biology (CISAB) Fellowship (\$3,334.00)

2017. Mountain Lake Biological Station Fellowship: Johns Creek Endowment Fund (\$1,000.00)

2016. Provost Women in Science Travel Award (\$450.00)

2016. CISAB Travel Award (\$500.00)

2015. Provost Women in Science Travel Award (\$500.00)

2015. **Graduate Research Fellowship** (\$102,000.00)

2015. SSE Travel Award (\$500.00)

2015. IU Biology Enrichment Travel Fund (\$250.00)

2014. Provost Women in Science Travel Award (\$400.00)

2014. CISAB Travel Award (\$400.00)
2012. NSF BIO REU Travel Scholarship (\$1,000.00)

TEACHING EXPERIENCE

Lead Instructor. Z460: Animal Behavior. (2017).

I taught the upper-level Animal Behavior course and designed the class around Tinbergen's four questions by utilizing active learning techniques.

Guest Lecturer. "Mating Systems" L376: *Biology of Birds Course* (2016).

Guest Lecturer. "Speciation" *Introductory Evolution Course** (2016).

*Associated Master's class for teaching observation- A group of graduate students and a staff member from the Center for Integrative Teaching and Learning attended the lecture to discuss the effectiveness of my active learning methods and provide feedback on how to improve my teaching.

Assistant Instructor. L376: Biology of Birds (2014-2015).

Assistant Instructor. L111: Introduction to Ecology and Evolution (2013).

Workshops and Other Education:

Make Lab Sessions Work. (2017). I co-organized and co-led a workshop about teaching lab/discussion classes for graduate student orientation.

Effective Lesson Design. (2016). I co-organized and co-led a workshop on principles of effective lesson design for graduate students with a staff member at Center for Integrative Teaching and Learning.

Learning Community: I participated in a learning community of faculty and graduate students while enrolled in an online course on Evidence-Based Teaching in STEM courses. (2015).

INVITED SEMINARS

Kimmitt, A.A., S.L. Dietz, D.G. Reichard, and E.D. Ketterson. Understanding population divergence in seasonal sympatry via behavior and physiology of the understudied sex. Ohio Wesleyan University. November 2016.

ORAL PRESENTATIONS

Kimmitt, A.A and E.D. Ketterson. Differences in female reproductive timing may contribute to divergence in seasonally sympatric populations. Society for Integrative and Comparative Biology. January 2018.

Kimmitt, A.A., S.L.Dietz, D.G., Reichard, and E.D. Ketterson. Male mate preference may reinforce population divergence in seasonally sympatric species. Society for Integrative and Comparative Biology. January 2017.

Kimmitt, A.A. and E.D. Ketterson. The role of reproductive timing and sexual selection in divergence of a seasonally sympatric species: a female perspective. Brown Bag; Indiana University, Bloomington. February 2016.

Kimmitt, A.A. and E.D. Ketterson. Do female differences in reproductive timing alter gene flow in heteropatric populations? Society for Integrative and Comparative Biology. January 2016.

POSTER PRESENTATIONS

- Kimmitt, A.A.** and E.D. Ketterson. Do differences in female reproductive timing influence gene flow in seasonal sympatry? North American Ornithological Conference. Washington, D.C. August 2016.
- Kimmitt, A.A.** and E.D. Ketterson. Heteropatric speciation: How females weigh morphology and phenology when choosing mates. Guarujá, Brazil. June 2015.
- Kimmitt, A.A.**, S.L. Dietz, and E.D. Ketterson. Does male preference play a role in subspecies divergence? Society for Integrative and Comparative Biology. January 2015.
- Dietz, S.L. **A.A. Kimmitt**, and E.D. Ketterson. No conflict between extra-pair courtship and male parental behavior detected in a socially monogamous songbird. Society for Integrative and Comparative Biology. January 2015.
- Kimmitt, A.A.** and E.D. Ketterson. Heteropatric Speciation: picking a mate over space and time. Evolution. Raleigh, NC. June 2014.
- Kimmitt, A.A.**, A.S. Dolby, M.A. Carlo, D.A. O'Dell. Handling prior to blood sampling related to corticosterone but not to heat shock protein 60 in the Tufted Titmouse. Society for Integrative and Comparative Biology. Austin, TX. January 2014.
- Kimmitt, A.A.**, D.G. Reichard, J.F. Welklin, and E.D. Ketterson. Differential courtship effort by mated and unmated males in a free-living songbird. Society for Integrative and Comparative Biology. San Francisco, CA. January 2013.

UNDERGRADUATE MENTORING

- Ashlee Webb, NSF REU, Center for the Integrative Study of Animal Behavior (CISAB), Indiana University, Bloomington (2017).
Project: Differences in gonadal response to GnRH in a seasonally sympatric songbird
- Katelyn Doyle, Cox Scholar, Indiana University undergraduate. (2015-present)
Co-mentored by post-doc, Adam Fudickar
Current Project: PCB and PBDE contamination in urban and non-urban birds
- Jack Hardman, Indiana University undergraduate (2015-2017)
Project: The interaction between stress and reproduction in the liver
- Danielle Howard, Indiana University undergraduate (2015)
Co-mentored by post-doc, Adam Fudickar
Project: Testing male mate preference in captivity
Currently: Graduate Student at Penn State University
- Samantha Dietz, NSF REU at Mountain Lake Biological Station. (2014)
Project: No conflict between extra-pair courtship and male parental behavior detected in a socially monogamous songbird.
*Presented a poster at the Society for Integrative and Comparative Biology
Currently: Graduate Student at Florida State University

OUTREACH

2015- WonderLab Science Camp

- 2017.** I planned and led an exercise one morning of a summer camp to teach elementary students about birds and research.

2015. ScienceFest Volunteer

I volunteered at an outreach event at Indiana University in order to teach primarily elementary students about birds and bill size adaptations.

2014. Mentoring a High School Student in a Research Class

I assisted a high school student at a local high school write a proposal, design an experiment, and understand her results.

2014. ESA Seeds Program

I mentored minority students in a small project and helped them analyze their data in order for them to present their findings at the end of the program.

2014. Animal Behavior Undergraduate Mentoring

I mentored undergraduates in designing a lesson plan for AP Biology students. We then took the project to the classroom and taught high school students about chemosensation in nematodes.