

## Abigail A. Kimmitt, PhD

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### EDUCATION

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**Indiana University**, Bloomington, IN  
Ph.D. in Ecology, Evolution, and Behavior  
Exp. Graduation: May 2019

**University of Mary Washington**, Fredericksburg, VA  
Bachelor of Science in Biology with Honors, 2013  
Graduated Magna Cum Laude  
Double Major in Environmental Science

### RESEARCH EXPERIENCE

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**Doctoral Dissertation Research, 2013- 2019**

Indiana University, Bloomington, Evolution, Ecology and Behavior Program (EEB)

Advisor: Dr. Ellen Ketterson

*Project Title: Behavioral and physiological mechanisms of population divergence in seasonal sympatry*

**Undergraduate Honors Thesis Research, 2011-2013**

University of Mary Washington, Department of Biology

Advisor: Dr. Andrew Dolby

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

**NSF Research Experience for Undergraduates (REU) Internship, Summer 2012**

Mountain Lake Biological Station, University of Virginia

Advisor: Dustin Reichard and Dr. Ellen Ketterson

*Project Title: Predictors of courtship effort in male dark-eyed juncos*

### TEACHING EXPERIENCE

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2017. **Principal Instructor.** *BIO-Z460*: Animal Behavior (42 students). Indiana University.

2015. Evidence-based teaching learning community. Center for Innovative Teaching and Learning. Indiana University.

2014, 2015. **Associate Instructor.** *BIO-L376*: Biology of Birds (18-30 students). Indiana University.

2013. **Associate Instructor.** *BIO-L111*: Introduction to Ecology and Evolution (12-25 students). Indiana University.

## Guest Lectures

2016. "Mating Systems". *BIO-L376: Biology of Birds*. Indiana University.  
2016. "Speciation". *BIO-L318: Evolution*. Indiana University.

## Workshops

2018. "Student Centered Course Design". Indiana University. Co-led with Leslie Drane.  
2017. "Make Lab Sessions Work". Indiana University. Co-led with Alexis Peirce Caudell.  
2016. "Effective Lesson Design." Indiana University. Co-led with Dr. Katie Kearns.

## PUBLICATIONS (\*indicates an undergraduate co-author)

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- Kimmit, A.A.**, Sinkiewicz, D, Ketterson, E.D. Seasonally sympatric songbirds that differ in migratory strategy also differ in neuroendocrine measures. *General and Comparative Biology*.
- Kimmit, A.A.**, Hardman, J\*, Ketterson, E.D. Migratory strategy explains differences in female physiology in seasonally sympatric populations. *Functional Ecology*.
- Kimmit, A.A.**, Dietz, S.L.\*, Reichard, D.G., and Ketterson, E.D. Male courtship preference during seasonal sympatry may reinforce population divergence. 2018. *Ecology and Evolution* 8(23), pp.11833-11841.
- Reichard, D.G., **Kimmit, A.A.**, Welklin, J.F. and Ketterson, E.D., 2017. Condition-and context-dependent factors are related to courtship behavior of paired and unpaired males in a socially monogamous songbird. *The Auk*, 134(3), pp.575-586.
- O'Dell, D.A., Carlo, M.A., **Kimmit, A.**, Bikowski, E., Morris, K.R. and Dolby, A., 2014. A comparison of techniques measuring stress in birds. *Virginia Journal of Science*, 65(3), p.3.

## GRANTS

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2017. Animal Behavior Society Student Research Grant (\$1,000)  
2017. Mountain Lake Biological Station Fellowship: Johns Creek Endowment Fund (\$1,000)  
2017. Louis Constable Hoover Fellowship (\$1,500)  
2016. American Ornithological Union Research Award (\$2,057)  
2015. Indiana Academy of Science Senior Research Award (\$2,551)  
2015. Indiana University Research and Teaching Preserve Research Grant (\$500)

## FELLOWSHIPS

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2017. The Avian, Wildlife, and Habitat Studies Scholarship (\$10,883)  
2017. Center for the Integrative Study of Animal Behavior (CISAB) Fellowship (\$3,880)  
2015. National Science Foundation: Graduate Research Fellowship (GRFP) (\$136,000)
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## AWARDS

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2018. Center for the Integrative Study of Animal Behavior William J. Rowland Mentoring Award  
2018. Provost Women in Science Travel Award  
2018. Center for the Integrative Study of Animal Behavior Travel Award  
2017. Provost Women in Science Travel Award  
2016. Provost Women in Science Travel Award  
2016. Center for the Integrative Study of Animal Behavior Travel Award  
2015. Society for the Study of Evolution Travel Award  
2015. Provost Women in Science Travel Award  
2015. IU Biology Enrichment Travel Fund  
2014. Provost Women in Science Travel Award  
2014. Center for the Integrative Study of Animal Behavior Travel Award

## INVITED SEMINARS (\*indicates an undergraduate co-author)

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**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 (\*indicates an undergraduate co-author)

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**Kimmitt, A.A.** and E.D. Ketterson. Migratory phenotype explains differences in female physiology in seasonally sympatric populations. *Causes and Consequences of Partial Migration Symposium*. International Ornithological Congress. Vancouver, British Columbia. August 2018.

**Kimmitt, A.A.**, S.L. Dietz\*, D.G. Reichard, and E.D. Ketterson. Male courtship preference is potentially adaptive in seasonally sympatric population divergence. IU CISAB Animal Behavior Conference. April 2018.

**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. Do female differences in reproductive timing alter gene flow in heteropatric populations? Society for Integrative and Comparative Biology. January 2016.

## POSTER PRESENTATIONS (\*indicates an undergraduate co-author)

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**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. Guarujã, 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. Welkin, 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

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Susan Reed, Indiana University undergraduate. Honor Thesis Writing Mentor (2018)  
Project: Does breeding latitude predict photoperiodic threshold in a songbird?

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  
*Currently: Graduate Student in Anthropology at Indiana University*

Katelyn Doyle, Cox Scholar, Indiana University undergraduate (2015-2019)  
Project: PCB and PBDE contamination in urban and non-urban birds  
*Awarded: IU Research and Teaching Preserve Grant (2018) (\$1250.00)*

Jack Hardman, Indiana University undergraduate (2015-2017)  
Project: The interaction between stress and reproduction in the liver

Danielle (Howard) Williams, Indiana University undergraduate (2015)  
Co-mentored by post-doc, Adam Fudickar  
Project: Testing male mate preference in captivity  
Masters in Biology from 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  
Masters in Biology from Florida State University

## **SERVICE**

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2018. Faculty Recruitment Student Committee. Indiana University.  
2018. Graduate Research Fellowship (GRFP) Workshop Panelist. CIRTL Institution.  
2015-present. Planning Committee for Animal Behavior Conference. Indiana University.  
2014, 2016, 2017. Graduate Recruitment Weekend Host. Indiana University.

## **JOURNAL REVIEWS**

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Animal Behavior  
Behavioral Ecology  
Wilson Journal of Ornithology

## **OUTREACH**

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2019. Wabash Valley Audubon Bird Festival Volunteer. Terre Haute, IN.  
2018. Bloomington Bird Fest Volunteer. Bloomington, IN.  
2017- present. SciU Blog Writer. Indiana University.  
2015-17. "Studying songbirds as a field biologist". WonderLab Science Camp. Bloomington, IN.  
2015, 2017, 2018. ScienceFest Volunteer. Indiana University.  
2014. Mentoring high school student in a research class. Harmony School. Bloomington, IN.  
2014. ESA Seeds Program. Mountain Lake Biological Station, University of Virginia.  
2014. Undergraduate mentoring in high school lesson design. Z460 Animal Behavior Course.  
Indiana University.