

# Anna M. Tucker

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## Education

Ph.D. Wildlife Sciences - Auburn University - 2019

*Stopover ecology and population dynamics of migratory shorebirds*

Advised by Dr. Conor McGowan

M.S. Ecology - Virginia Commonwealth University - 2014

*Occurrence and consequences of conspecific brood parasitism in a cavity-nesting warbler*

Advised by Dr. Lesley Bulluck and Dr. Rodney Dyer

B.S. Biology - Loyola University Maryland - 2010

## Professional Experience

Postdoctoral Researcher, School of Forestry and Wildlife Sciences, Auburn University (2019-present)

*Population analysis and projection modeling for Species Status Assessments*

## Awards and Honors

**2019** Outstanding Doctoral Student, Auburn University Graduate Student Council

**2019** Drummond PhD Student Award, AU School of Forestry and Wildlife Sciences

**2018** Biometrics Working Group Travel Award, The Wildlife Society

**2018** AOS Council Student Presentation Award, American Ornithological Society

**2017** Best Student Poster, Euring Analytical Meeting and Workshop

**2017** Graduate Student Award, Ducks Unlimited

**2014** Outstanding Graduate Student in Ecology, Virginia Commonwealth University

**2010** Best Presentation, Loyola University Undergraduate Research and Scholarship Colloquium

## Research Grants and Fellowships

**2017** Francis M. Peacock Scholarship for Native Bird Habitat, Garden Club of America \$4000

**2015** Graduate Thesis/Dissertation Fellowship, Auburn University Graduate School \$500

**2015** Research Grant, Eastern Bird Banding Association Memorial Fund \$1000

**2013** Student Research Award, VCU Rice Center \$1000

**2013** J.J. Murray Research Award, Virginia Society of Ornithology \$1000

**2008** Hauber Summer Research Fellowship, Loyola University \$3000

## Publications

*In press or in review*

**Tucker, A.M.**, C.P. McGowan, M. Catalano, A.L. DeRose-Wilson, R.A. Robinson, and J. Zimmerman. Foraging ecology mediates response to ecological mismatch during migratory stopover. *In review - Ecosphere*

Robinson, R.A. J.A. Clark, N.A. Clark, A.L. DeRose-Wilson, A. Dey, K. Kalasz, L.J. Niles, H. P. Sitters, **A.M. Tucker**, and C.D.T. Minton. Mass gain strategies of a spring-staging long distance migrant shorebird, the Red Knot *Calidris canutus*. *In review - Wader Study Group Bulletin*

**2019**

**Tucker, A.M.**, C.P. McGowan, R.A. Robinson, J.A. Clark, J.E. Lyons, A.L. DeRose-Wilson, R. du Feu, G.E. Austin, P.W. Atkinson, and N.A. Clark. 2019. Effects of individual misidentification on estimates of survival in long-term mark-resight studies. *The Condor: Ornithological Applications*, 121: 1-13.

**2018**

Weaver, R.J., E.A. Santos, **A.M. Tucker**, A.E. Wilson, and G.E. Hill. 2018. Carotenoid metabolism strengthens the link between feather coloration and individual quality. *Nature Communications*: 9.

**2017**

**Tucker, A.M.** and L.P. Bulluck. 2017. No evidence for a negative effect of conspecific brood parasitism on annual survival of female Prothonotary Warblers. *Ibis*, 160: 447-452.

**2016**

**Tucker, A.M.**, R.J. Dyer, S.K. Huber, and L.P. Bulluck. 2016. Opportunistic conspecific brood parasitism in a box-nesting population of Prothonotary Warblers (*Protonotaria citrea*). *The Auk*: 133, 2, 298-307.

## **Conference Presentations**

### ***Contributed***

**2018** Bias in survival estimates due to individual misidentification in long-term mark-resight studies. *Oral presentation, The Wildlife Society Annual Meeting, Cleveland OH*

**2018** Effects of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds. *Oral presentation, American Ornithological Society Annual Meeting, Tucson AZ Winner-Student Presentation Award*

**2017** Comparing annual variation in stopover mass gain between two long-distance migrants. *Oral presentation, Western Hemisphere Shorebird Group, Paracas, Peru* (presented by R.A. Robinson)

**2017**. Combining multistate models and network theory to evaluate movement patterns during migratory stopover. *Poster presentation, Euring Analytical Meeting, Barcelona, Spain Winner-Best Student Poster Award*

**2016** Assessing the influence of migratory connectivity and spring stopover site disturbance on population dynamics using a full annual cycle simulation model. *Oral presentation, North American Ornithological Conference VI, Washington DC*

**2014** Conspecific brood parasitism as an alternative breeding strategy in box-nesting Prothonotary Warblers. *Oral presentation, American Ornithologists' Union Annual Meeting, Estes Park CO*

**2014** The occurrence and consequences of conspecific brood parasitism in the Prothonotary Warbler (*Protonotaria citrea*). *Oral presentation, Virginia Society of Ornithology Annual Meeting, Norfolk VA*

## **Professional Development**

Apprentice, National Conservation Training Center Structured Decision Making Workshop *July 2018*

Integrated Population Modeling Workshop, Patuxent Wildlife Research Center *October 2017*

Data Integration Workshop, Euring Analytical Meeting, Barcelona *July 2017*

Conservation Leaders for Tomorrow, Mansfield GA *January 2017*

## **Teaching**

### ***Lesson Development***

Quantitative Techniques for Species Status Assessments, USFWS Training Course (2017-2018)

Wildlife Population Science Lab, Auburn University (Spring 2018)

Ornithology Program, National Audubon Society Hog Island Family Camp (2017 & 2018)

Ornithology Lab, Virginia Commonwealth University (Summer 2013)

### ***Guest Lectures***

Avian Conservation in North America, Ornithology, Auburn University (Apr 2018)

Migratory Shorebirds in Delaware Bay, Osher Lifelong Learning Institute, Auburn AL (Apr 2017)

Avian Life History, Ornithology, Virginia Commonwealth University (Mar 2014)

### ***Teaching Assistantships***

Ornithology Lab, Auburn University (Spring 2016)

Anatomy and Physiology II Lab, Auburn University (Spring 2015-Fall 2016)

Ornithology Lab, Virginia Commonwealth University (Spring 2014)

Tropical Avian Ecology in Panama, Virginia Commonwealth University (Spring 2014)

Intro. to Biological Sciences Lab, Virginia Commonwealth University (Fall 2012-Fall 2013)

## **Service and Outreach**

Coordinator, Wildlife Graduate Student & Postdoc Quant Club (2017-2018)

Graduate Student Representative, IT Specialist Hiring Committee (Jan 2018)

Ornithology Instructor, National Audubon Society, Hog Island Family Camp (2017-present)

Instructor, Graduate Women in Science and Girl Scout Pi Day (Mar 2017)

Ornithology Instructor, Alabama Extension Master Naturalist Program (Dec 2016)

Bird Survey Leader, Alabama Extension Program BioBlitz (2016-2017)

Poster Session Judge, Auburn University This is Research Symposium (Mar 2016)

Shorebird Monitoring Volunteer, Delaware Shorebird Project (2015-2018)

Vice President, VCU Graduate Organization of Biology Students (2013-2014)

Interpretive Aide, National Aquarium in Baltimore (2010-2011)

Environmental Education Volunteer, Patterson Park Audubon Society (2009-2010)