

## ALLISON JOHNSON

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<https://fairywrenproject.org>

[Google Scholar](#)

[ResearchGate](#)

University of Nebraska-Lincoln  
School of Biological Sciences  
Lincoln, NE 68588



### PROFESSIONAL APPOINTMENTS

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#### Research Assistant Professor

University of Nebraska-Lincoln, School of Biological Sciences  
Advisor: Daizaburo Shizuka

2020-Present

#### Postdoctoral Research Associate

University of Nebraska-Lincoln, School of Biological Sciences  
Advisor: Daizaburo Shizuka

2017-2020

### EDUCATION

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**PhD** University of Chicago, Department of Ecology & Evolution  
Advisor: Stephen Pruett-Jones

August 2016

**MS** University of Chicago, Department of Ecology & Evolution  
Advisor: Stephen Pruett-Jones

March 2013

**BS** St. Olaf College  
Major: Biology

May 2010

### RESEARCH THEMES

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Ecogeography of social behavior

Costs and benefits of conspecific social behavior

Social plasticity as a buffer in extreme climatic events

Mixed-species flocks: formation, communication, and persistence

Avian disease ecology: social correlates

### RESEARCH GRANTS

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National Science Foundation Division of Integrative Organismal Systems Core Programs (NSF IOS):  
Resolving the drivers of variation in cooperative social groups along environmental gradients (Award  
Number 2312983), \$812,181 2023-2026

University of Nebraska-Lincoln, College of Arts and Sciences Covid Relief Grant: Fitness benefits of  
heterospecific sociality: using seasonal changes in patterns of association as a window into the  
importance of mixed-species flocks, \$7327.12 2022-2023

American Ornithological Society Kessel Fellowship for Ornithological Research:

Ecology of social organization in cooperatively breeding birds, \$15,000	2020-2022
National Science Foundation Division of Integrative Organismal Systems Core Programs RAPID Grant (NSF IOS RAPID): Impact of extreme heat-induced mortality on avian cooperative social systems, \$200,000	2020-2021
*Co-written with PI D. Shizuka	
American Ornithological Society Postdoctoral Research Award: Testing the causes of intraspecific variation in social behavior across an ecological gradient, \$2,300	2019
Experiment Ornithology Grant Challenge: How do mixed species social groups help fairy-wrens? \$3,800	2016-2017
American Ornithologist's Union Student Research Award: Know thy neighbor: Heterospecific recognition in two fairy-wren species, \$2,370	2013-2014
University of Chicago Hinds Fund, \$1000	2013-2014
University of Chicago Hinds Fund, \$1700	2012-2013

#### PEER-REVIEWED PUBLICATIONS

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*Drafts of 'Accepted', 'In Review', or 'In Preparation' manuscripts are available upon request.*

† Graduate student mentee

‡ Senior author paper

§ Editor's Choice

#### **Published or in Press**

**Johnson A.E.**, Barve S., Shizuka D., Walter E.L. (2023). Acorn Woodpecker movements and social networks change with wildfire smoke. *Current Biology*, 33, R987-R997.

<https://doi.org/10.1016/j.cub.2023.08.096>

‡ § †Vander Meiden L.N., Shizuka D., **Johnson A.E.** (2023). Studying individual-level interactions can transform our understanding of avian mixed-specie flocks. *Ornithology*, 140, ukad007.

<https://doi.org/10.1093/ornithology/ukad007>

**Johnson A.E.**, Welklin J.F., †Hoppe I.R., Shizuka D. (2023) Ecogeography of group size suggests differences in drivers of sociality among cooperatively breeding fairywrens. *Proceedings of the Royal Society B*, 290, 20222397. <https://doi.org/10.1098/rspb.2022.2397>

†Hoppe I.R., **Johnson A.E.**, VanWormer E. (2022). Haemosporidian parasite diversity in an under-surveyed Australian avifauna. *Emu—Austral Ornithology*, 122, 185-192.

<https://doi.org/10.1080/01584197.2022.2105722>

Welklin J.F., **Johnson A.E.**, Black A., Nye G., Sramek P., Michalek B., Ross M., Newport A., Walker D., Welburn T., Busch H., Licence G., Roman G., Roman K. (2022). Hybridisation in Australian fairywrens (*Malurus* spp.): new records of cross-species hybrids. *Australian Field Ornithology*, 39, 63-75. <http://dx.doi.org/10.20938/afo39063075>

Shizuka S., Barve S., **Johnson A.E.**, Walters E.L. (2022). Constructing social networks from automated telemetry data: A worked example using within- and across group associations in cooperatively breeding birds. *Methods in Ecology and Evolution*, 13, 133-143. <https://doi.org/10.1111/2041-210X.13737>

- Odom K. J., Cain K.E., Hall M.L., Langmore N.E., Mulder R.A., Kleindorfer S., Karubian J., Brouwer L., Enbody E.D., Jones J.A., Dowling J.L., Leitão A.V., Greig E.I., Evans C., **Johnson A.E.**, Meyers K. K.-A., Sraya-Salas M., Webster M.S. (2021). Sex role similarity and sexual selection predict male and female song elaboration and dimorphism in fairy-wrens. *Ecology and Evolution*, 11, 17901-17919. <https://doi.org/10.1002/ece3.8378>
- Gaughwin M., Walker F., Woolford L., Upton J., Sobek C., **Johnson A.E.**, Taggart D. (2020). Observations on the mortality of young southern hairy-nosed wombats (*Lasiorninus latifrons*) in the Murraylands of South Australia. *Australian Mammalogy*, 43: 126-131. <https://doi.org/10.1071/AM20045>
- Shizuka D., **Johnson A.E.** (2020). The long view on demographic effects on social networks: a response to comments on Shizuka and Johnson. *Behavioral Ecology*, 31 (1): 19-20. <https://doi.org/10.1093/beheco/arz184>
- Shizuka D., **Johnson A.E.** (2020). How demographic processes shape animal social networks. *Behavioral Ecology*, 31(1): 1-11. <https://doi.org/10.1093/beheco/arz083>
- Johnson A.E.**, Masco C., Pruett-Jones S. (2018). Song recognition and heterospecific associations between 2 fairy-wren species (Maluridae). *Behavioral Ecology*, 29: 821-832. <https://doi.org/10.1093/beheco/ary071>
- Johnson A.E.**, Pruett-Jones S. (2018). Reproductive promiscuity in the variegated fairy-wren: an alternative reproductive strategy in the absence of helpers? *Animal Behaviour*, 139: 171-180. <https://doi.org/10.1016/j.anbehav.2018.03.015>
- Brouwer L., van de Pol M., Aranzamendi N.H., Bain G., Baldassare D.T., Brooker L.C., Brooker M.G., Colombelli-Négrel D., Enbody E., Gielow K., Hall M.L., **Johnson A.E.**, Karubian J., Kingma S.A., Kleindorfer S., Louter M., Mulder R., Peters A., Pruett-Jones S., Tarvin K.A., Thrasher D.J., Varian-Ramos C.W., Webster M., Cockburn A. (2017). Multiple hypotheses explain variation in extra-pair paternity at different levels in a single bird family. *Molecular Ecology*, 26: 6717-6729. <https://doi.org/10.1111/mec.14385>
- Johnson A.E.**, Mitchell J., Brown M.B. (2016). Convergent evolution in social swallows (Aves: Hirundinidae). *Ecology and Evolution*, 7: 550-560. <https://dx.doi.org/10.1002%2Fece3.2641>
- Johnson A.E.**, Freedberg S. (2014). Variable facial plumage in juvenile cliff swallows: a potential offspring recognition cue? *Auk*, 131: 121-128. <https://doi.org/10.1642/AUK-13-127.1>
- Johnson A.E.**, Price J.J., Pruett-Jones S. (2013) Different modes of evolution in males and females generate dichromatism in fairy-wrens (Maluridae). *Ecology and Evolution*, 3: 3030-3046. <https://dx.doi.org/10.1002%2Fece3.686>
- Padhi A., Moore A.J., Brown M.B., Foster J.E., Pfeffer M., Gaines K.P., O'Brien V.A., Strickler S.A., **Johnson A.E.**, Brown C.R. (2008). Phylogeographical structure and evolutionary history of two Buggy Creek virus lineages in the western Great Plains of North America. *Journal of General Virology*, 9: 2122-31. <https://doi.org/10.1099/vir.0.2008/001719-0>

### Accepted

Pruett-Jones S., **Johnson A.E.** History of research at Brookfield Conservation Park I. Birds. *South Australian Naturalist*, accepted.

### ***In Review***

‡ †Vander Meiden L.N., †Hoppe I.R., Shizuka D., **Johnson A.E.** Ecological flexibility and selectivity in mixed-species flock participation in birds. *The American Naturalist*, in review. Available as a preprint on *bioRxiv*:

<https://www.biorxiv.org/content/10.1101/2022.11.08.515689v1>

Coblentz K.E., Treidel L.A. Biagioli F.P., Fragel C.G., **Johnson A.E.**, Thilakarathne D.D., Yang L., DeLong J.P. A framework for understanding climate change impacts through intra- and interspecific asymmetries in climate change responses. *Ecology Letters*, in review. Available as a preprint on *Authorea*:

<https://doi.org/10.22541/au.169470726.65740114/v1>

### ***In Preparation (Manuscripts Available upon Request)***

**Johnson A.E.**, Pruett-Jones S. Experimental studies of delayed dispersal in fairy-wrens: Evidence for both ecological constraints and social benefits.

### **POPULAR ARTICLES**

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Welklin J., **Johnson A.E.** (2019). Fairywren Project Update—June 2019. eBird Australia News: <https://ebird.org/australia/news/fairywren-project-update-june-2019>

**Johnson A.E.**, Welklin J. (2018). The Fairywren Project: Teaming up with eBirders to capture variation in Australia's fairywrens. eBird Australia News: <https://ebird.org/australia/news/the-fairywren-project-teaming-up-with-ebirders-to-capture-variation-in-australias-fairy-wrens>

**Johnson A.E.** (2018). Cross-species song recognition in fairy-wrens. *Biosphere*, Issue 33: 28-39.

### **PRESS COVERAGE OF PUBLICATIONS AND RESEARCH PROJECTS**

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ABC RN Science Show with Robyn Williams: Fairywren Project collages bird sightings to monitor changes in populations and range, 2019.

<https://www.abc.net.au/radionational/programs/scienceshow/fairywren-project-collates-bird-sightings-to-monitor-changes-in/10928848>

Nebraska Today: Distinguished company: Birds can recognize members of other species, 2018.

<https://news.unl.edu/newsrooms/today/article/distinguished-company-birds-can-recognize-members-of-other-species/>

Science Daily: Birds from different species recognize each other and cooperate, 2018.

<https://www.sciencedaily.com/releases/2018/05/180521143827.htm>

### **HONORS AND AWARDS**

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#### ***Presentation Awards***

Best Student Paper, Australasian Ornithological Conference, Adelaide, SA	2015
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#### ***Fellowships***

Dubner Graduate Fellowship, University of Chicago	2010-2016
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**Travel Awards**

University of Nebraska-Lincoln Postdoctoral Travel Grant	2019
International Society for Behavioral Ecology Travel Award	2018
American Ornithological Society Travel Award	2018
North American Ornithological Conference Travel Award	2016
Biological Sciences Division Travel Award, University of Chicago	2014

**TEACHING EXPERIENCE**

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**Instructor of Record**

Avian Biology (BIOS 475/875)	
University of Nebraska-Lincoln, Cedar Point Biological Station	2019, 2021-2023
* <i>Field course</i>	
Ecology and Evolution (BIOS 207)	
University of Nebraska-Lincoln, Cedar Point Biological Station	2023
* <i>Field course</i>	

**Workshops**

Network analysis in R	
American Ornithological Society, Anchorage, AK	2019

**Teaching Assistant****University of Chicago**

Field Ecology (BIOS 23252)	2011, 2013, 2015, 2017
* <i>Partial field course</i>	
Ecol. and Evol. in the Southwest (BIOS 23232/23233)	2013-2015
* <i>Partial field course</i>	
Nat. Hist. of the American Deserts (BIOS 13111/13112)	2013-2015
Animal Behavior (BIOS 23249)	2015
Animal Behavior (BIOS 23249)	2014
Evolution and Ecology (BIOS 20197)	2011
Ecology and the Environment (BIOS 13125)	2011

**University of Michigan Biological Station**

Natural History and Evolution (EEB 392)	2010, 2012
* <i>Field course</i>	

**St. Olaf College**

Vertebrate Biology (BIO 242)	2010
* <i>Partial field course</i>	
Introduction to Biology (BIO121)	2009

### **Guest Lecturer**

#### **University of Chicago**

10 guest classroom lectures (Courses: Field Ecology, Animal Behavior, Ecology and the Environment) 2011-2015

#### **University of Michigan Biological Station**

4 guest classroom lectures (Course: Natural History and Evolution) 2010-2012

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### **STUDENT MENTORING**

#### **Graduate Committee Membership**

Ian Hoppe (Advisor: Elizabeth Van Wormer, University of Nebraska Lincoln, SNR)

#### **Graduate Student Mentorship**

Ian Hoppe, Masters student (graduated, 2021), mentoring: thesis design, data collection/analysis, thesis prep.

Laura Vander Meiden, PhD candidate, mentoring: field project design, data collection

Faiza Hafeez, PhD student, mentoring: field methods, field project design, data collection

Stella Uiterwaal, PhD student, mentoring: field methods, field project design, data collection

Miranda Salsbery, PhD student, mentoring: field methods

#### **Undergraduate Student Mentoring**

##### **Laboratory Research**

5 students, 3 of whom have pursued postgraduate work in STEM fields

##### **Field Research**

19 students, 11 of whom have pursued postgraduate work in STEM fields or are currently working in a STEM field (note some students were mentored both in field and lab)

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### **CONTRIBUTED PRESENTATIONS**

#### **Symposium Organization**

Organizers: Shizuka D, **Johnson A.E.** 2019. Social dynamics in interspecific interactions. *American Ornithological Society*.

#### **Invited Talks**

**Johnson A.E.** 2023. Long-term studies of avian behavior at Brookfield Conservation Park. *Riverland and Murraylands All Staff Day, National Parks and Wildlife Services South Australia*.

**Johnson A.E.** 2020. Variations in sociality in fairywrens: Ecology, cooperation, and life with heterospecific partners. *Long-Term Animal Research Seminar Series*.

## Contributed Talks

† Indicates graduate student mentee

‡ Indicates undergraduate student mentee

†Vander Meiden L., Shizuka D., †Hoppe I., **Johnson A.E.** 2023 Mixed species flock members show evidence of ecological selectivity and flexibility in flock participation. *American Ornithological Society and Society of Canadian Ornithologists joint meeting.*

**Johnson A.E.**, Welklin J., Shizuka D. 2023. Harnessing intraspecific variation in social group size to elucidate ecological correlates of cooperative breeding. *American Ornithological Society and Society of Canadian Ornithologists joint meeting.*

**Johnson A.E.**, Barve S., Shizuka D., Walters E. 2022. Wildfire smoke alters Acorn Woodpecker foray behavior. *American Ornithological Society and Birds Caribbean joint meeting.*

**Johnson A.E.**, Welklin J., †Hoppe I., Shizuka D. 2021. Slight differences, dramatic consequences: Contrasting patterns of sociality along an environmental gradient in two cooperatively breeding species. *American Ornithological Society and Society of Canadian Ornithologists joint meeting.*

**Johnson A.E.** 2019. Heterospecific sociality: how cooperation, competition, and communication across species shape avian behavior. *American Ornithological Society.*

‡ Meyer D.K., ‡ Kinnebrew E., Pruett-Jones S., **Johnson A.E.** 2019. Helpers mitigate negative effects of predation threat in the cooperatively breeding purple-backed fairywren. *American Ornithological Society meeting.*

**Johnson A.E.** 2018. Delayed dispersal in cooperatively breeding fairy-wrens: a complicated story. *International Society for Behavioral Ecology meeting.*

**Johnson A.E.** 2018. Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? *American Ornithological Society meeting.*

Pruett-Jones S., **Johnson A.E.** 2018. Experimental test of delayed dispersal in fairy-wrens. *American Ornithological Society meeting.*

**Johnson A.E.** 2017. Early Professionals Symposium: Causes and consequences of sociality: from morphology to heterospecific social groups. *American Ornithological Society and Society of Canadian Ornithologists joint meeting.*

**Johnson A.E.**, Pruett-Jones S. 2016 Heterospecific sociality mediated by song discrimination in fairy-wrens (*Malurus sp.*). *North American Ornithological Conference meeting.*

**Johnson A.E.**, Pruett-Jones S. 2015. Experimental evidence of heterospecific stranger vs. neighbor discrimination in fairy-wrens (*Aves*). *Australasian Ornithological Conference.*  
\* Awarded Best Student Paper

‡ Meyer D., **Johnson A.E.** 2015. It takes a village: group size as a determining factor of maternal investment, feeding rate and fledging success in the variegated fairy-wren (*Malurus lamberti*). *Australasian Ornithological Conference.*

**Johnson A.E.**, Pruett-Jones S. 2015. Heterospecific coalitions mediated by song recognition in two fairy-wren species. *Animal Behavior Society meeting.*

**Johnson A.E.**, Masco C., Pruett-Jones S. 2014 Heterospecific recognition in fairy-wrens: cooperation in a competitive landscape. *International Society for Behavioral Ecology meeting*.

**Johnson A.E.**, Price J.J., Pruett-Jones S. 2013. Different modes of evolution in males and females generate dichromatism in fairy-wrens (Maluridae). *American Ornithologist's Union and Cooper Ornithological Society joint meeting*.

**Johnson A.E.**, Freedberg S. 2011. Facial pattern variation may be a reliable kin recognition cue in cliff swallows, *Petrochelidon pyrrhonota*. *Wilson Ornithological Society and Cooper Ornithological Society joint meeting*.

### **Poster Presentations**

Welklin J., **Johnson A.E.** 2023. Prevalence of year-round breeding plumage in Australian Fairywrens on a continental scale. *American Ornithological Society and Society of Canadian Ornithologists joint meeting*.

†Hafeez F., †Vander-Meiden L., **Johnson A.E.**, †Uiterwaal S., Shizuka D. 2022. Social facilitation through acoustic signals in mixed-species wintering flocks. *American Ornithological Society and Birds Caribbean joint meeting*.

**Johnson A.E.**, Welklin J. 2019. The Fairywren Project: testing the causes of intraspecific variation in social behavior and signaling traits across an ecological gradient. *American Ornithological Society meeting*.

†Hoppe I.R., **Johnson A.E.** 2019. Nest survival in the cooperatively-breeding purple-backed fairywren. *American Ornithological Society meeting*.

Welklin J, **Johnson A.E.** 2018. Fairywren Project: Capturing the variation in Australia's fairywrens through the eyes of citizen scientists. *Birds Queensland meeting*.

**Johnson, A.E.**, Freedberg S. 2009. Among-colony genetic differentiation and group selection in the cliff swallow, *Petrochelidon pyrrhonota*. *Midstates Undergraduate Research Consortium*.

**Johnson A.E.**, Wilkinson G, Holt A. 2009. Stable isotope analysis of food web structure in macroinvertebrate communities. *Minnesota Academy of Sciences Undergraduate Meeting*.

Mullen SA, **Johnson A.E.**, Crumley A., Freedberg S., Schade J. 2008. Effect of nitrogen availability on spatial distributions of creosote bush (*Larrea tridentata*) in two desert ecosystems. *Ecological Society of America Meeting*.

**Johnson A.E.**, Debenport S., Freedberg S. 2008. Facial pattern variation and kin recognition in a colonial bird. *St. Olaf College Summer Research Symposium*.

Moore A.T., O'Brien V.A., **Johnson A.E.**, Brown M.B., Brown C.R. 2007. Dispersing cimicid vectors have low Buggy Creek Virus infection rates. *Wildlife Disease Association Conference*.

### **Departmental Seminars**

**Johnson A.E.** 2019. Causes and consequences of sociality in fairywrens (Maluridae). *Ecology and Evolutionary Biology Seminar Series*, University of Nebraska-Lincoln.



**Johnson A.E.** 2014. Sociality in the variegated fairy-wren (*Malurus lamberti*). *Natural History Seminar Series*, University of Chicago.

**Johnson A.E.** 2012. Sexual selection and cooperative breeding. *Animal Behavior Seminar Series*, University of Chicago.

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## PROFESSIONAL DEVELOPMENT

### ***Teaching Workshops/Presentations***

#### **Center for the Integration of Research, Teaching, and Learning (CIRTL)**

The College Classroom, virtual, 9/2021-12/2021

Decolonizing the Curriculum in STEAM, virtual, 10/2021

Becoming an Anti-racist Educator, virtual, 4/2021

Teaching as Research Presentations, virtual, 4/2021

What have I Really Learned (Post-PhD career possibilities event), virtual, 3/2021

### ***Research Related Workshops***

eBird Status Workshop, virtual joint meeting of the American Ornithological Society and Society of Canadian Ornithologists, 7/2021

Introduction to Count Data Workshop, virtual joint meeting of the American Ornithological Society and Society of Canadian Ornithologists, 7/2021

Motus Wildlife Tracking System Workshop, virtual, 3/2021

Complex Networks Winter Workshop, virtual, 1/2021

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## PROFESSIONAL ACTIVITIES

### ***Manuscript Review***

*The American Naturalist*

*Animal Behaviour*

*The Auk: Ornithological Advances*

*Australian Field Ornithology*

*Behavioral Ecology and Sociobiology*

*Behavioral Ecology*

*Ethology*

*Frontiers in Zoology*

*Journal of Animal Ecology*

*Scientific Reports*

*Wilson Journal of Ornithology*

### ***Society Service***

Kessel Fellowship Committee, Am. Ornithological Society 2022-present

Scientific Program Committee, Am. Ornithological Society 2019

### ***Conference Service***

Student presentation Judge, Am. Ornithological Society Conference 2023

Session moderator, Am. Ornithological Society Conference 2023

Room monitor and event volunteer, North Am. Ornithological Conference 2016

Session moderator, Animal Behavior Society Meeting	2015
Abstract review, International Society for Behavioral Ecology Meeting	2014

### **Departmental Service**

Animal behavior reading group organizer, University of Chicago	2011-2015
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### **Society Memberships**

American Ornithological Society  
 Animal Behavior Society  
 International Society for Behavioral Ecology

## **SCIENCE COMMUNICATION**

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### **Illustrations Contributed to Scientific Articles or Books**

- Illustrations throughout: Powell L. (2019). Discover the Great Plains: Great Plains Birds. University of Nebraska Press, Lincoln, Nebraska.
- Illustration for Figure 1 (*Malurus* species): Odom K.J., Cain K.E., Hall M.L., Langmore N.E., Mulder R.A., Kleindorfer S., Karubian J., Brouwer L., Enbody E.D., Jones J.A., Dowling J.L., Leitão A.V., Greig E.I., Evans C., **Johnson A.E.**, Meyers K.K.-A., Sraya-Salas M., Webster M.S. (2021). Sex role similarity and sexual selection predict male and female song elaboration and dimorphism in fairy-wrens. *Ecology and Evolution*, 11(24): 17901-17919. <https://doi.org/10.1002/ece3.8378>
- Illustration for Figure 1 (fictional bird species): Servedio M.R., Powers J.M., Lande R., Price T.D. (2019). Evolution of sexual cooperation from sexual conflict. *Proceedings of the National Academy of Science*, 116(46): 23225-23231. <https://doi.org/10.1073/pnas.1904138116>
- Illustration for graphical abstract (Protonbird): Burgers P. (2019). The replication hypothesis along the take-off run and a system of equilibrium equations at the lift-off of a protonbird. *Aerospace*, 6(2): 21. <https://doi.org/10.3390/aerospace6020021>
- Illustrations throughout (Long-tailed finch, *Poephila acuticauda*): Hooper D.M., Griffith S.C., Price T.D. (2018). Sex chromosome inversions enforce reproductive isolation across an avian hybrid zone. *Molecular Ecology*, 28(6): 1246-1262. <https://doi.org/10.1111/mec.14874>
- Illustration for Figure 2 (*Confusiusornis sanctus*): Milius S. "The lucky ones" *Science News Magazine*. 4 Feb 2017, pp 26-27.
- Illustration for Figure 1 (*Chloris* sp.): Hooper D.M., Price, T.D. (2017). Chromosomal inversion differences correlate with range overlap in passerine birds. *Nature Ecology & Evolution*, 1: 1526-1534. <https://doi.org/10.1038/s41559-017-0284-6>
- Illustration for Figure 1 (Various finch species): Singal S., Leffler E.M., Sannareddy K., Turner I., Venn O., Hooper D.M., Strand A.I., Li Q., Raney B., Balakrishnan C.N., Griffith S.C., McVean S.C., Przeworski M (2015) Stable recombination hotspots in birds. *Science*, 350(6263): 928-932. <https://doi.org/10.1126/science.aad0843>

Cover illustration (Fairwren sp., *Malurus*): **Johnson A.E.**, Price J.J., Pruett-Jones S. (2013).  
 Different modes of evolution in males and females generate dichromatism in fairy-wrens  
 (Maluridae). *Ecology and Evolution*, 3: 3030-3046. <https://doi.org/10.1002/ece3.686>

### ***Contributions to Documentaries***

Expert contributor and interviewee for splendid fairywren segment for upcoming Australian  
 Broadcasting Corporation documentary *The Urban Lives of Birds: Western Australia*  
 2023 (filming completed, but not yet distributed)

### ***Education and Public Outreach***

Field Ornithology instructor, Nebraska Wildlife Rehab High School Science Academy, conducted  
 at Cedar Point Biological Station 2019-2023

Field Ornithology instructor for Biodiversity at Cedar Point Biological Station, University of  
 Nebraska Young Nebraska Scientists summer camp (Nebraska EPSCoR) 2022

Posters: “What have Brookfield’s birds taught us?”, made for a celebration commemorating 50  
 years of community engagement, conservation, and science at Brookfield Conservation Park and  
 the 25<sup>th</sup> anniversary of the Friends of Brookfield Conservation Park, South Australia. 2021

Presenter: “Celebrating the teachings of a great ornithologist: Paul Johnsgard’s impact on a  
 young biologist”, Watchiska Audubon Society. 2021

Presenter, Love Struck: Romance in the Natural World, Neb. State Museum. 2020

Co-founder of The Fairywren Project, a community science research program, with collaborator  
 Joseph Welklin 2018-present

Bird banding, Pioneers Park Nature Center/Reller Prairie, Lincoln, NE 2018-present

Volunteer weekend organizer, “Biology of Fairy-wrens”, Conservation Volunteers Australia, South  
 Australia 2015

Volunteer weekend organizer, “Biology of Sand Goannas”, Conservation Volunteers Australia,  
 South Australia 2015

Outreach speaker, Conservation Volunteers Australia, South Australia 2012-2015

Illustrator of mimicry coloring pages, Anim. Behav. Soc, Outreach Fair 2014-2015

Outreach fair presenter, Anim. Behav. Soc., Outreach Fair 2015

Presenter, Project Exploration’s Sisters for Science, Chicago, IL 2012

Artist, photographer, and presenter, “Celebrating Darwin’s Legacy,” University of Nebraska,  
 Great Plains Art Museum, Lincoln, NE 2009