

**Maggie P. MacPherson**

## Curriculum Vitae

Département des sciences du bois et de la forêt  
 Université Laval  
 2107 Abitibi Price Pavilion,  
 2405 De la Terrasse St  
 Québec City, QC

[maggie.macpherson@gmail.com](mailto:maggie.macpherson@gmail.com)  
[www.maggiemacpherson.com](http://www.maggiemacpherson.com)

**PROFESSIONAL APPOINTMENTS**

Research Associate, Université Laval	2022-present
Postdoctoral Researcher, Louisiana State University	2020-2022
Postdoctoral Scholar, University of California, Santa Barbara	2019-2020
Postdoctoral Fellow, University of Missouri USGS Coop Unit	2017-2019

**EDUCATION**

Ph.D., Ecology & Evolutionary Biology Department, Tulane University	2017
M.Sc., Biology Department, York University	2014
B.Sc., Department of Integrative Biology, University of Guelph	2009

**PEER REVIEWED PUBLICATIONS**

16 manuscripts | 627 citations | h-index: 9 | [Google Scholar](#)  
 equal contributions<sup>cc</sup> | mentees: graduate<sup>G</sup>; undergraduate<sup>U</sup>, high school<sup>H</sup>

**PEER REVIEWED JOURNAL ARTICLES**

16. Pacheco, M.A., F.C. Ferreira, C.J. Logan, K.B. McCune, **M. MacPherson**, S.A. Miranda, D. Santiago-Alarcon, A.A. Escalante. 2022. Great-tailed Grackles (*Quiscalus mexicanus*) as a tolerant host of avian malaria parasites. PLOS ONE. DOI: <https://doi.org/10.1371/journal.pone.0268161>.
15. Logan, C.J., K.B. McCune, **M. MacPherson**, Z. Johnson-Ulrich, C. Rowney, B. Seitz<sup>G</sup>, A.P. Blaisdell, D. Deffner, C.A.B. Wascher. 2022. Are the more flexible great-tailed grackles also better at behavioral inhibition? Animal Behavior and Cognition. DOI: <https://doi.org/10.26451/abc.09.01.03.2022>.
14. LaRose, S.<sup>G</sup>, **M. MacPherson**, D. Lesmeister, H. Hackett, R. Perry, D. Sasse, M. Gompper. 2022. Predicted Distribution of Plains Spotted Skunk in Arkansas and Missouri. Journal of Wildlife Management. DOI: <https://doi.org/10.1002/jwmg.22165>.
13. **MacPherson, M.**, A.E., Jahn, J. DeFreitas, K. Looknauth, A. Wilson, L. Baird, K. DeFreitas, S. Chiasson, C.M. Taylor. 2021. Evidence of a trophic niche shift in an omnivorous migratory bird in South America: A comparison of stable isotope signatures from feathers between migratory and sedentary subspecies of *Tyrannus savana*. The Wilson Journal of Ornithology. DOI: <https://doi.org/10.1676/20-00134>.
12. Blaisdell A., B. Seitz<sup>G</sup>, C. Rowney, M. Folsom<sup>U</sup>, **M. MacPherson**, D. Deffner, and C.J. Logan. 2021. Do the more flexible individuals rely more on causal cognition? Observation versus intervention in causal inference in great-tailed grackles. Peer Community Journal. DOI: <https://doi.org/10.24072/pcjournal.44>.
11. **MacPherson, M.**, A.E. Jahn, and N.A. Mason. Morphology of migration: Associations between wing, and bill morphology and migration in kingbirds (*Tyrannus*). 2021. The Biological Journal of the Linnean Society. DOI: <https://doi.org/10.1093/biolinnean/blab123>.

10. Seitz, B.M.<sup>G</sup>, K.B. McCune, **M. MacPherson**, L. Bergeron, A.P. Blaisdell, C.J. Logan. 2021. Using Touchscreen Equipped Operant Chambers to Study Comparative Cognition. Benefits, Limitations, and Advice. PLOS ONE, 16(2): e0246446. DOI: <https://doi.org/10.1371/journal.pone.0246446>.
9. **MacPherson, M.**, E. Webb, A. Raedeke, D. Mengel, and F. Nelson. 2018. A review of Bayesian belief networks as decision-support tools for wetland conservation: Are water birds potential umbrella taxa? Biological Conservation, 226: 215-223. DOI: <https://doi.org/10.1016/j.biocon.2018.08.001>.
8. **MacPherson, M.**, A. Jahn, M. Murphy, D. Kim, V. Cueto, D. Tuero, and E. Hill<sup>U</sup>. 2018. Follow the rain? Environmental drivers of *Tyrannus* migration across the New World. The Auk, 135(4): 881-894. DOI: <https://doi.org/10.1642/AUK-17-208.1>.
7. Jahn, A., V. Bejarano, M. Guzman, L. Brown, I. Provinciato, J. Cereghetti, V. Cueto, J. Giraldo, V. Gomez-Bahamon, M. Husak, H. LePage, **M. MacPherson**, M. Marini, M. Pizo, A. Quickle, D. Roeder, J. Sarasola and D. Tuero. 2017. Molting while breeding? Lessons from New World *Tyrannus* Flycatchers. Journal of Ornithology, 158: 1061-1071. DOI: <https://doi.org/10.1007/s10336-017-1464-5>.
6. Jahn, A., N. Seavy, V. Bejarano, M. Guzman, I. Provinciato, M. Pizo, and **M. MacPherson**. 2016. Intra-tropical migration and wintering areas of Fork-tailed Flycatchers (*Tyrannus savana*) breeding in Sao Paulo, Brazil. Brazilian Journal of Ornithology, 24(2): 116-121. DOI: <https://doi.org/10.1007/BF03544339>.
5. Jahn, A., J. Giraldo, **M. MacPherson**, D. Tuero, J. Sarasola, J. Cereghetti, D. Masson, and M. Morales. 2016. Demographic variation in timing and intensity of feather molt in migratory Fork-tailed Flycatchers (*Tyrannus s. savana*). Journal of Field Ornithology, 87(2): 143-154. DOI: <https://doi.org/10.1111/jfo.12147>.
4. Stanley, C., E. McKinnon, K. Fraser, **M. MacPherson**, G. Casbourn, L. Friesen, P. Marra, C. Studds, T. Ryder, N. Diggs, and B. Stutchbury. 2014. Connectivity of Wood Thrush breeding, wintering, and migration sites based on range-wide tracking. Conservation Biology, 29(1): 164-174. DOI: <https://doi.org/10.1111/cobi.12352>.
3. McKinnon, E., C. Stanley, K. Fraser, **M. MacPherson**, G. Casbourn, P. Marra, C. Studds, N. Diggs, and B. Stutchbury. 2012. Estimating geolocator accuracy for a migratory songbird using live ground-truthing in a tropical forest. Animal Migration, 1: 31-38. DOI: <https://doi.org/10.2478/ami-2013-0001>.
2. Stanley, C.<sup>ec</sup>, **M. MacPherson**<sup>ec</sup>, K. Fraser, E. McKinnon, and B. Stutchbury. 2012. Repeat tracking of individual songbirds reveals consistent migration timing but flexibility in route. PLoS ONE, 7(7): e40688. DOI: <https://doi.org/10.1371/journal.pone.0040688>.
1. Stutchbury, B., E. Gow, T. Done, **M. MacPherson**, J. Fox, and V. Afanasyev. 2010. Effects of post-breeding moult and energetic condition on timing of songbird migration into the tropics. Proceedings of the Royal Society B, 278(1702): 131-137. DOI: <https://doi.org/10.1098/rspb.2010.1220>.

#### BOOK CHAPTERS

1. Tuero, D.T., A.E. Jahn, and **M. MacPherson**. 2019. Bird Migration in South America: The Fork-tailed Flycatcher (*Tyrannus savana*) as a Case Study. Chapter 7, pp. 133-154 in Reboreda, J.C., et al. Behavioral Ecology of Neotropical Birds. DOI: [https://doi.org/10.1007/978-3-030-14280-3\\_7](https://doi.org/10.1007/978-3-030-14280-3_7).

#### NON-PEER REVIEWED PUBLICATIONS

1. Cueto, V.R., A.E. Jahn, D.T. Tuero, A.C. Guaraldo, J.H. Sarasola, S.P. Bravo. V. Gomez, J.I. Giraldo,

D.A. Masson, **M. MacPherson**, and J.E. Jimenez. Febrero-Marzo. 2015. Las aves migratorias de America del Sur: Nuevas tecnicas revelan informacion sobre su comportamiento. Ciencia Hoy magazine, 24(142):19-25. DOI: [https://doi.org/10.1007/978-3-030-14280-3\\_7](https://doi.org/10.1007/978-3-030-14280-3_7).

#### IN PREPARATION

1. **MacPherson, M.**, K. Burgio, M.G. DeSaix, B. Freeman, V. Jirinec, J. Herbert, J. Shonfield, D. Slager, R. Herman, C. van Rees, and J. Jankowski. Predicting bird distributions under global change. BioRxiv, DOI: <https://doi.org/10.1101/2021.05.26.445867>.

#### RESEARCH EXPERIENCE

FIELD EXPEDITIONS ORGANIZED	Total budget from all funding sources: \$215,000 USD
<i>Quiscalus</i> vocalizations project; Arizona, USA. (\$2,000)	2020
<i>Tyrannus</i> migration project; Colombia, Guyana, Venezuela, United States. (\$5,000-\$10,000)	2012-2015
Wood Thrush migration project; Pennsylvania, USA. (\$45,000-\$60,000)	2009-2011

#### RESEARCH FUNDING

Total funding from all sources: \$107,961 USD

##### USD

#### SUCCESSFUL RESEARCH GRANTS FROM EXTERNAL SOURCES

U.S. Fish & Wildlife Service, University of Missouri (\$50,255 USD)*	2018
Stone Center Field Research Grant, Tulane University (\$1,366 USD)	2013
Stone Center Field Research Grant, Tulane University (\$1,520 USD)	2012
IBM Corporation Fellowship in Computational Science, Tulane University (\$5,000 USD)	2012

\*Lead author; funding not dispersible to postdocs; Declined.

#### PENDING RESEARCH GRANTS FROM EXTERNAL SOURCES

Environmental Damages Fund, Environmental and Climate Change Canada (\$435,400 CAD)	2022
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#### RESEARCH GRANTS FROM INTERNAL SOURCES

College of Arts and Sciences Postdoctoral Fellowship, Texas A&M, San Antonio (\$45,000) <sup>β</sup>	2021
Graduate Student Research Award, Tulane University (\$1,600 USD)	2017
York University Research Costs Fund, York University (\$350 CAD)	2011
York University Research Costs Fund, York University (\$250 CAD)	2010
York University Field Costs Fund, York University (\$2,000 CAD)	2010
York University Graduate Development Fund, York University (\$620 CAD)	2009

<sup>β</sup>Funding listed does not include the additional benefits package; Ghost wrote with Dr. Jenny Phillips; funding not dispersible to non-citizens; Declined.

#### AWARDS AND HONOURS

AOS: American Ornithological Society | AOU: American Ornithologists' Union

#### RESEARCH AND PROFESSIONAL AWARDS

Membership Award for promoting a diverse and inclusive community, AOS	2020
Important Mentor Award, Women+ in Science and Engineering	2018
Graduate Student Research Award, Tulane University (\$1,600 USD)	2017
Excellence in Teaching Award, Tulane University	2017
Finalist achieving honorable mention, School of Science & Engineering Research Day	2016
Finalist, School of Science & Engineering Research Day	2013

## TRAVEL AWARDS

Postdoc Travel Award, AOS	2019
Student Travel Award, AOU (x2)	2016, 2017
Travel Award, Tulane University (x2)	2013, 2015

## SELECTED INVITED TALKS

Beyond the high paywalls of publishing “Open Access”. <i>Invited talk in “Creative ways of sharing natural history knowledge” American Ornithological Society, symposium.</i>	2022
The evolutionary ecology of migratory birds: Understanding the past to predict the future. <i>The American Museum of Natural History Comparative Biology, seminar.</i>	2021
Improving our understanding of migratory bird distributions in the Americas by informing a Bayesian network model with data from <i>Tyrannus</i> . <b>MacPherson, M.</b> , A.E. Jahn. <i>Invited talk in “Birds Connect Our World: Using Tracking Technology to Inform Conservation Action” North American Ornithological Congress.</i>	2020
What determines (seasonal) range limits? Improving our understanding of co-adaptations defining avian range limits. <i>Louisiana State University Museum of Natural Science, seminar.</i>	2019
Habitat requirements in seasonal environments: Using physiology & mathematical modeling to understand species distributions. <i>Grinnel College, seminar.</i>	2018
Surfing the Heat Wave or the Green Wave: How Will Different Types of Migrants Track Seasonal Resources in a Changing Climate? <i>Bald Eagle Expo, keynote address.</i>	2017
What Makes Migrants Move? Geolocators, GIS, eBird and the Importance of Collaborations in Migratory Bird Research. <i>New Orleans Audubon Society, meeting.</i>	2014
Birds, Banding, and Research: Adventures Studying Migrant Birds. <i>Ducks Unlimited Canada, keynote address.</i>	2013
Optimal annual routines: Understanding life history strategies of Fork-tailed Flycatchers ( <i>Tyrannus savana</i> ). <i>Environmental Protection Agency, Georgetown, Guyana, invited talk.</i>	2013
A donde van tus aves? Metodos actuales para seguirlas. <i>Western Hemisphere Bird Banding Network.</i>	2011
The Technology That Could... Pros & Cons of Exploring Migratory Behaviour in Songbirds Using Geolocators. <i>Ontario Bird Banding Association, invited talk.</i>	2011
Carry-over Effects: Winter Habitat Quality, Migration & Reproductive Effort. <i>Hawk Mountain Sanctuary, Northern Saw-whet Owl Research Program, invited talk.</i>	2009

## CONFERENCE ACTIVITY / PARTICIPATION

## PANELS ORGANIZED

Invited to organize ‘Predicting Bird Distributions Under Global Change’ for the <i>International Ornithological Congress.</i>	2022
Predicting Bird Distributions Under Global Change, <i>North American Ornithological Congress.</i>	2020

## SELECTED RESEARCH PRESENTATIONS

Can we predict bird distributions under global change? Linking distribution models with conservation goals. <b>MacPherson, M.</b> <i>International Ornithological Congress.</i>	2022
Morphology of migration: Associations between wing, and bill morphology and migration in kingbirds ( <i>Tyrannus</i> ). <b>MacPherson, M.</b> , A.E. Jahn, N. Mason. <i>American Ornithological Society &amp; Society of Canadian Ornithologists.</i>	2021
Abiotic factors remain key to shaping avian ranges despite inclusion of biotic factors in predictive modelling: A model tailored to a rapidly expanding species, <i>Quiscalus mexicanus</i> . <b>MacPherson, M.</b> , C.J. Logan. <i>North American Ornithological Congress – Special</i>	2020

- symposium entitled “Predicting Bird Distributions Under Global Change”.
- A Bayesian network approach for improved seasonal distribution models of long-distance migratory passerines using *Tyrannus* flycatchers. **MacPherson, M.** *American Ornithological Society.* 2019
- Are wetland birds umbrella taxa for freshwater wetlands?: Bayesian belief networks as decision-support tools for conservation. **MacPherson, M.**, E. Webb, A. Raedeke, D. Mengel, and F. Nelson. *International Ornithological Congress.* 2018
- How seasonality in Northern vs. Southern Hemispheres affects distributions of different types of migrants. **MacPherson, M.** and A.E. Jahn. *American Ornithological Society.* 2017
- Convergent evolution on the morphology of migration within an entire bird genus (*Tyrannus*). **MacPherson, M.**, and A.E. Jahn. *Society for Integrative and Comparative Biology.* 2017
- Surfing the Heat Wave or the Green Wave: Divergent Ecological and Evolutionary Consequences for Nearctic Neotropical and Austral Migrant Kingbirds. **MacPherson, M.**, A. Jahn, V. Cueto, M. Husak, D. Tuero, J. Sarasola, J. Cereghetti, D. Roeder, C. Lister<sup>U</sup>, T. Hendrix<sup>U</sup>, and A. E’etessam<sup>U</sup>. *North American Ornithological Congress.* 2016

#### DISCUSSANT

- A Bayesian network approach for improved seasonal distribution models of long-distance migratory passerines. Selected from a competitive applicant pool to participate in an Early Professionals’ symposium. *American Ornithological Society.* 2019

#### PROFESSIONAL DEVELOPMENT

2022

- I am going through the Statistical Rethinking course with colleagues as a self-taught summer course.
- I organized a half day symposium entitled “Predicting Bird Distributions Under Global Change”.  
*International Ornithological Congress.*

2020 - 2022

- I collaborated with the department and affiliates at the Museum of Natural Science at Louisiana State University to create a best practices for improved field safety, taking advantage of the momentum sparked within the field research community to improve safety for at-risk identities (see Demery and Pipkin, 2020 – [Safe fieldwork strategies for at-risk individuals, their supervisors and institutions.](#) *Nature Ecology & Evolution.*).

2020

- I created a [General Authorship Guidelines](#) document to outline criteria for co-authorship on research products that place value on the contributions of local communities without whom many expeditions would not be possible.
- I organized a full day symposium entitled “Predicting Bird Distributions Under Global Change”.  
*North American Ornithological Congress.*

2018

- Geolocation Workshop participant to learn updates to code -based processing used in geologist analyses (two days). *International Ornithological Congress.*
- Structured Decision Making Workshop – Observers and Mentees; certificate program (five days).  
*National Conservation Training Center.*
- Search for Selection Tutorial (five days). *National Institute for Mathematical and Biological Synthesis, NSF-funded.*
- Short course on analyzing animal tracking data (two days). *North Carolina Museum of Natural Sciences,*

*NSF-funded.*

Introduction to Bayesian Networks (three days). *Innovative Decisions, Inc.*

2017

Graduate Student & Postdoc Association Writing Retreat (two days). *University of Missouri.*

Quantitative ecology workshop: “Adventures in Quantitative Ecology double feature: analysis methods for community ecology and an introduction to mixed effects modelling” (one day). *University of Missouri.*

Creating Talks that Inform and Inspire (one day). *Society for Integrative & Comparative Biology.*

Giving Stellar Presentations and Job Talks (one day). *Office of Graduate and Postdoctoral Studies, Tulane University.*

High Performance Computing Workshop (one day). *Technology Services, Tulane University.*

2016

Geolocation with Open-Source Tools Workshop (two days). *North American Ornithological Congress.*

Supporting International Students and Scholars Workshop Series (one day). *Center for Global Education, Tulane University.*

Software Carpentry Workshop (two days). *Software Carpentry.*

2013

Responsible Conduct of Research (semester-long interdisciplinary seminar course). *Tulane University.*

## **SERVICE TO INSTITUTION**

### **UNIVERSITY OUTREACH**

Tour guide & Instructor, Girl’s Day at the Museum, Louisiana State University 2021

### **UNIVERSITY COMMITTEES**

Vice President, Graduate Studies Student Association, Tulane University (\$115,000 budget) 2013-2014

Senator, Graduate and Professional Student Association, Tulane University 2013-2014

Student representative, Graduate Council, Tulane University (x2) 2013-2015

Student representative, IT Committee, Tulane University 2013-2015

Departmental seminar series coordinator, Tulane University 2013-2014

Social Chair/Events Coordinator for the graduate student group, Tulane University 2012-2015

Student representative, Graduate Studies Student Association, Tulane University 2011-2013

Vice President, College of Biological Science Student Council, University of Guelph (x2; \$90,000 budget + 1 part-time unionized employee) 2007-2009

## **SERVICE TO PROFESSION**

### **JOURNAL SERVICES**

Associate Editing

Ibis, >20 manuscripts 2018-present

Reviewing

Avian Conservation & Ecology (2018, 2022), Ecosphere (2020), Frontiers Ecology and Evolution (2021), Global Ecology and Biogeography (2019), Ibis (2010, 2018-present), Journal of Evolutionary Biology (2021), Journal of Experimental Biology (2018), Journal of Ornithology (2019), Marine Biology (2021), Population Ecology (2020), Revista Ornitología Colombiana (2021), The Wilson Journal of Ornithology (2019), and Wildfowl (2019).

**SOCIETY SERVICES**

Student Mentor, American Ornithological Society	2021
Technical Support for Virtual Conference, American Ornithological Society	2021
Latin American Engagement Committee, North American Ornithological Congress	2020-present
Research and Awards Committee, American Ornithological Society.	2019, 2021
Student Advisory Committee, American Ornithological Society. (x2)	2016, 2017

**PROFESSIONAL SOCIETIES**

American Ornithological Society, Elected Member	2022-present
American Ornithological Society, student/postdoc member	2009-2022
Association of Field Ornithologists	2013-present
British Ecological Society	2015-present
Raptor Research Foundation	2009-present
Sigma Xi	2012-present

**TEACHING, TRAINING, & MENTORSHIP****FUNDING RECEIVED BY MENTEES RESULTING FROM MENTORSHIP**

Sigma Xi Grants in Aid of Research, Samantha Bowser (\$500 USD)	2021
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**GRADUATE STUDENT MENTORSHIP**

Nadinni Souza, University of Brasilia	2020-present
Summer Higdon, University of Missouri	2017-2022
Rukhsana Khaton, University of Missouri	2017-2018

**UNDERGRADUATE STUDENT SUPERVISION**

Samantha Bowser, Arizona State University	2020-2021
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**UNDERGRADUATE STUDENT MENTORSHIP**

Samantha Bowser, Arizona State University	2021-present
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**HIGH SCHOOL STUDENT MENTORSHIP**

Lily Donzeiser, Darien High School	2021-present
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**WORK-STUDY STUDENT AND VOLUNTEER SUPERVISION**

Elliot Hill, Tulane University	2016-2017
Clare Lister, Tulane University	2015-2016
Trey Hendrix, Tulane University	2015-2016
Amethys E'Etessamm, Tulane University	2015-2016
60 novice ornithologists, York University (across 3 field seasons)	2009-2011

**TEACHING EXPERIENCE**

Course Development: Ornithology, Operation Wallacea	2016
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Organismal biology teaching assistantships:

Vertebrate Structure & Function (x4), University of Guelph	2007-2009
Comparative Chordate Anatomy (x2), York University	2010-2011
Vertebrate Morphology, Tulane University	2017
Ecology and evolution teaching assistantships:	
Ecology (x2), York University	2009-2010
Diversity of Life (x10), Tulane University	2011-2016
General Ecology, Tulane University	2012
Processes of Evolution, Tulane University	2012
Tropical Biology, Tulane University	2013
History of Life, Tulane University	2013
Conservation teaching assistantships:	
Conservation Biology (x3), Tulane University	2012-2014
Biostatistics teaching assistantships:	
Statistics for Biologists, York University	2010
Teaching training from Tulane University:	
Graduate TA and Post Doc Teaching Workshop (one day), Center for Engaged Learning and Teaching (CELT)	2017
Supporting International Students and Scholars Workshop Series (one day), Center for Global Education	2016
Engaging International Students in the Classroom Workshop (one day), CELT	2014
An Introduction to Evidence-Based Undergraduate STEM Teaching (eight weeks), Center for the Integration of Research, Teaching, and Learning	2014
Teaching Workshop (two days), CELT	2013
Scientific Teaching Workshop (one day), CELT	2013
<b>EXPERIENCE AS A TRAINER</b>	
Field research workshops for Western Hemisphere Bird Banding Network:	
Bird Bander Training Workshop (x2)	2010, 2011
Semester-long writing workshops:	
Tulane University (x3)	2016, 2017
University of Missouri (x3)	2017, 2018
Underrepresented Genders in Museum Ornithology, Louisiana State University (x3)	2020-present

**EVIDENCE OF TEACHING, TRAINING & MENTORING EFFECTIVENESS**  
**PEER REVIEWED PRODUCTS BY MENTEES RESULTING FROM MENTORSHIP**  
 mentees: graduate<sup>G</sup>; undergraduate<sup>U</sup>, high school<sup>H</sup>

5. Donzeiser, L.<sup>H</sup>, and **M. MacPherson**. Spatial responses to climate change in a long-distance migratory songbird: the Scarlet Tanager (*Piranga olivacea*). 2021. Preregistration DOI: [10.31219/osf.io/v5xtp](https://doi.org/10.31219/osf.io/v5xtp); In preparation for submission to publication.
4. Bowser, S.<sup>U</sup>, and **M. MacPherson**. 2021. A study on the role of social information sharing leading to range expansion in songbirds with large vocal repertoires: Enhancing our understanding of the Great-tailed Grackle (*Quiscalus mexicanus*) alarm call. Preregistered (passed pre-study



- peer review) at Peer Community in Ecology; DOI: [10.31219/osf.io/tpvfn](https://doi.org/10.31219/osf.io/tpvfn). In preparation for submission to publication.
3. Seitz, B.M.<sup>G</sup>, K.B. McCune, **M. MacPherson**, L. Bergeron, A.P. Blaisdell, C.J. Logan. 2021. Using Touchscreen Equipped Operant Chambers to Study Comparative Cognition. Benefits, Limitations, and Advice. PLOS ONE, 16(2): e0246446. DOI: <https://doi.org/10.1371/journal.pone.0246446>.
  2. Folsom, M.A.<sup>U</sup>, **M. MacPherson**, D. Lukas, K.B. McCune, L. Bergeron, A. Bond, A. Blackwell, C. Rowney, C.J. Logan. 2020. Studying a rare behavior in a polygamous bird: male parental care in great-tailed grackles. Preregistered (passed pre-study peer review) at Peer Community in Ecology: <https://ecology.peercommunityin.org/articles/rec?id=83>.
  1. LaRose, S.<sup>G</sup>, **M. MacPherson**, D. Lesmeister, H. Hackett, R. Perry, D. Sasse, M. Gompper. 2022. Predicted Distribution of Plains Spotted Skunk in Arkansas and Missouri. Journal of Wildlife Management. DOI: <https://doi.org/10.1002/jwmg.22165>.

#### PRESENTATIONS BY MENTEES ON MENTORED PROJECTS

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| A test of the acoustic adaptation hypothesis explaining range expansion in songbirds with large vocal repertoires: Enhancing our understanding of the Great-tailed Grackle ( <i>Quiscalus mexicanus</i> ) alarm call. Bowser, S. <sup>v</sup> , <b>M. MacPherson</b> . <i>American Ornithological Society / Society of Canadian Ornithologists</i> . | 2021 |
| A study on the role of social information sharing leading to range expansion in songbirds with large vocal repertoires: Enhancing our understanding of the great-tailed grackle ( <i>Quiscalus mexicanus</i> ) alarm call. Bowser, S. <sup>v</sup> . <i>Arizona State University School of Life Science Undergraduate Research Symposium</i> .       | 2021 |
| Using species distribution modeling to target eastern spotted skunk research and management efforts. Higdon, S. <sup>e</sup> , <b>M. MacPherson</b> , M. Gompper. <i>Missouri Natural Resources Conference</i> .   | 2019 |
| Using species distribution modeling to target Eastern Spotted Skunk Research and management efforts. Higdon, S. <sup>e</sup> , <b>M. MacPherson</b> , M. Gompper. <i>The Wildlife Society</i> .  | 2018 |

#### MEDIA COVERAGE

##### PRESS COVERAGE FOR PUBLICATIONS

“Follow the rain? Environmental drivers of *Tyrannus* migration across the New World” was amongst the American Ornithological Society Editors’ top 7 Picks from 2018.

“Repeat tracking of individual songbirds reveals consistent migration timing but flexibility in route” was in the top 10% most cited papers at PLoS ONE in 2017.

“Effects of post-breeding moult and energetic condition on timing of songbird migration into the tropics” was the 6th most cited paper at Proceedings of the Royal Society B in 2011.

##### INTERVIEWS FOR NEWSPAPER AND MAGAZINE ARTICLES

North for the winter: Researchers studying Fork-tailed Flycatchers gain new insight into bird migration in South America. By: Andrew Jenner. Bird Watching Magazine. 2017.

20 questions with Maggie MacPherson. By: Sue Neilsen. The Temiskaming Speaker. 2015.

##### TV INTERVIEWS

Preliminary interviews for a nature documentary about freshwater covering how climate change will

affect migratory animals that follow the rain. Freeborne Media Wildlife Documentaries, in association with Netflix. 2020.