

## Curriculum Vitae

### Present address

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Department of Integrative Biology  
307 Life Sciences West  
Oklahoma State University  
Stillwater, OK 74078 USA  
+1-405-744-5555  
**E-mail:** [michael.reichert@okstate.edu](mailto:michael.reichert@okstate.edu)  
**Website:** <http://reichertlab.com>

### Academic Positions

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2019–Present: Assistant Professor, Dept. Integrative Biology, Oklahoma State University

2015–2018: Senior Postdoctoral Researcher. School of Biological, Earth and Environmental Science, University College Cork, Cork, Ireland. Supervising professor: Dr. John Quinn

01/2013–05/2015: NSF International Postdoctoral Research Fellow. Institute for Biology, Humboldt University, Berlin Germany. Supervising professor: Dr. Bernhard Ronacher

2012; 2015: Postdoctoral Research Fellow, University of Wisconsin-Milwaukee. Supervising professor: Dr. Gerlinde Höbel

### Education

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2018 Postgraduate Certificate in Teaching and Learning in Higher Education, University College Cork

2011 Ph.D. in Biological Sciences, University of Missouri.  
Advisor: Dr. H. Carl Gerhardt.

2005-2007 Graduate Studies in Ecology, Evolution and Behavior, University of Texas.  
Supervising professor: Dr. Mike Singer

2004 B.S. in Biology (with honors), University of North Carolina-Chapel Hill.

### Research funding

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2023-2024 Estimating Crawfish Frog Abundance and Habitat Suitability Using Ecological and Bioacoustic Techniques. Oklahoma Department of Wildlife Conservation. \$207,343.54. **M.S. Reichert** (PI) and Bo Zhang (Co-PI)

2022-2026 RaMP: Oklahoma Network addressing human impacts across biological processes (ON-RaMP). National Science Foundation. \$2,719,700. **M.S. Reichert** (PI) and E.A. McCullagh (Co-PI).

2021 Oklahoma State University Research Jumpstart/Accelerator Grant (\$16,401)

2020	Oklahoma State College of Arts & Sciences Student Technology Fee grant (\$21,084)
2017	American Genetic Society travel grant. (\$750)
2015	Invertebrate Sound & Vibration Conference travel grant. (\$500)
2014	International Society for Behavioral Ecology travel grant. (\$1000)
2013-2014	U.S. National Science Foundation International Research Fellowship Program award for postdoctoral research. (\$138,700)
2010-2012	U.S. National Science Foundation Doctoral Dissertation Improvement Grant (DDIG). (\$14,818)
2010	Dean Metter Award, Society for the Study of Amphibians and Reptiles. (\$750)
2010	Research Fellowship, Organization for Tropical Studies. (\$2635)
2009	Gaige Fund Award, American Society for Ichthyologists & Herpetologists (\$500)
2009	Animal Behavior Society travel grant. (\$1000)
2008	Chicago Herpetological Society Grant. (\$500)
2007-2011	GAANN Fellowship, University of Missouri.
2007	Animal Behavior Society Student Research Grant. (\$500)
2006	Smithsonian Institution 10 week predoctoral fellowship. (\$4500)
2006	National Science Foundation-Honorable Mention for Predoctoral Fellowship.
2006	Graduate Research Award, Carl Gottfried Hamilton Fellowship Fund. (\$1865)
2004	Travel award, UNC Office of Undergraduate Research. (\$900)
2003	Sigma Xi grant-in-aid of research. (\$750)
2003	UNC Office of Undergraduate Research and McGee Family Foundation. (\$550)

### **Publications in Peer-Reviewed Journals**

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49. I. de la Hera and **M.S. Reichert**. 2022. No indication of background color matching in a population of the brown-green polymorphic Admirable Grasshopper (*Syrbula admirabilis*). **Journal of Insect Behavior** 135: 114-126
48. **M.S. Reichert**, J.M.S. Crane, G. Davidson, E. Dillane, I.G. Kulahci, J. O'Neill, K. van Oers, C. Sexton, and J.L. Quinn. 2022. No reproductive fitness benefits of dear enemy behaviour in a territorial songbird. **Behavioral Ecology and Sociobiology** 76: 90
47. G. Höbel, O. Feagles, A. Moore, **M. Reichert**, K. Stratman. 2022. Random mating for body size despite fitness benefits of size-assortative mating in a treefrog. **Ethology** 128: 580-590
46. J. Albers\* and **M.S. Reichert**. 2022. Personality affects individual variation in olfactory learning and reversal learning in *Acheta domesticus*. **Animal Behaviour** 191: 1-13  
\*OSU graduate student mentee
45. G.L. Davidson, **M.S. Reichert**, J.R. Coomes, I.G. Kulahci, I. de la Hera, J.L. Quinn. 2022. Inhibitory control performance is repeatable across years and contexts in a wild bird population. **Animal Behaviour** 187: 305-318

44. J. Morand-Ferron, **M.S. Reichert**, J.L. Quinn. 2022. Cognitive flexibility in the wild: individual differences in reversal learning are explained primarily by proactive interference, not by sampling strategies, in two passerine bird species. **Learning & Behavior** 50: 153-166  
\*Awarded 2022 best article in Learning & Behavior by the Psychonomic Society
43. I. de la Hera, **M.S. Reichert**, G.L. Davidson, J.L. Quinn. 2022. A longitudinal analysis of the growth rate and mass of tail feathers in a great tit population: ontogeny, genetic effects and relationship between both traits. **Journal of Avian Biology** 2022: e02894
42. J.R. Coomes, G.L. Davidson, **M.S. Reichert**, I.G. Kulahci, C.A. Troisi, J.L. Quinn. 2022. Inhibitory control, exploration behaviour and manipulated ecological context are associated with foraging flexibility in the great tit. **Journal of Animal Ecology** 91: 320-333
41. N. Clapp\* and **M.S. Reichert**. 2022. Arginine vasotocin affects motivation to call, but not calling plasticity, in Cope's gray treefrog *Hyla chrysoscelis*. **Journal of Comparative Physiology B** 192: 115-125  
\*OSU undergraduate student mentee
40. I. de la Hera and **M.S. Reichert**. 2021. Water content in diet affects growth and timing of female first mating, but not coloration, in the admirable grasshopper (*Syrbula admirabilis*). **Invertebrate Biology** 140: e12356
39. K.L.N. Stauch, R.J. Wincheski, J. Albers, T.E. Black, **M.S. Reichert**, C.I. Abramson. 2021. Limited evidence for learning in a shuttle box paradigm in crickets (*Acheta domesticus*). **Journal of Orthoptera Research** 30: 155-161
38. **M.S. Reichert**, J. Morand-Ferron, I.G. Kulahci, J.A. Firth, G.L. Davidson, S.J. Crofts, J.L. Quinn. 2021. Cognition and covariance in the producer-scrouter game. **Journal of Animal Ecology** 90: 2497-2509  
\*Highlighted article with accompanying commentary: <https://doi.org/10.1111/1365-2656.13602>
37. J-M Mongeau, L.E. Schweikert, A.L. Davis, **M.S. Reichert**, and J.K. Kanwal. 2021. Multimodal integration across spatiotemporal scales to guide invertebrate locomotion. **Integrative and Comparative Biology** 61: 842-853
36. **M.S. Reichert**, M.S. Enriquez, and N.V. Carlson. 2021. New dimensions for animal communication networks: space and time. **Integrative and Comparative Biology** 61: 814-824
35. C.A. Troisi, A.C. Cooke, G.L. Davidson, I. de la Hera, **M.S. Reichert**, and J.L. Quinn. 2021. No evidence for cross-contextual consistency in spatial cognition or behavioral flexibility in a passerine. **Animal Behavior and Cognition** 8: 446-461
34. J. Clemens, B. Ronacher and **M.S. Reichert**. 2021. Sex specific speed-accuracy tradeoffs shape neural processing of acoustic signals. **Proceedings of the Royal Society B** 288: 20210005

33. G.L. Davidson, S.E. Somers, N. Wiley, C.N. Johnson, **M.S. Reichert**, R.P. Ross, C. Stanton, and J.L. Quinn. 2021. A time-lagged association between the gut microbiome, nestling growth and nestling survival in wild great tits. **Journal of Animal Ecology** 90: 989-1003
32. G.L. Davidson, N. Wiley, A.C. Cooke, C.N. Johnson, F. Fouhy, **M.S. Reichert**, I. de la Hera, J.M.S. Crane, I.G. Kulahci, R.P. Ross, C. Stanton, J.L. Quinn. 2020. Diet induces parallel changes to the gut microbiota and problem solving performance in a wild bird. **Scientific Reports** 10: 20783
31. K.E. Gentry, R.N. Lewis, H. Glanz, P.I. Simões, Á.S. Nyári and **M.S. Reichert**. 2020. Bioacoustics in cognitive research: applications, considerations, and recommendations. **WIREs Cognitive Science** 2020: e1538
30. **M.S. Reichert**, S.J. Crofts, G.L. Davidson, J.A. Firth, I.G. Kulahci and J.L. Quinn. 2020. Multiple factors affect discrimination learning performance, but not between-individual variation, in wild mixed-species flocks of birds. **Royal Society Open Science** 7: 192107
29. **M.S. Reichert** and B. Ronacher. 2019. Temporal integration of conflicting directional cues in sound localization. **Journal of Experimental Biology** 222: jeb208751
28. **M.S. Reichert**. 2019. Zooming in on assessment strategies: a comment on Chapin et al. **Behavioral Ecology** 30: 1186-1187
27. **M.S. Reichert** and G. Höbel. 2018. Phenotypic integration and the evolution of signal repertoires: a case study of treefrog acoustic communication. **Ecology and Evolution** 8: 3410-3429
26. G.L. Davidson, **M.S. Reichert**, J.M.S. Crane, W. O'Shea and J.L. Quinn. 2018. Repeatable aversion across threat types is linked with life history traits but is dependent on how aversion is measured. **Royal Society Open Science** 5: 172218
25. **M.S. Reichert** and J.L. Quinn. 2017. Cognition in contests: mechanisms, ecology and evolution. **Trends in Ecology and Evolution** 32: 773-785
24. J.T. Kilmer, K.D. Fowler-Finn, D.A. Gray, G. Höbel, D. Rebar, **M.S. Reichert** and R.L. Rodríguez. 2017. Describing mate preference functions and other function-valued traits. **Journal of Evolutionary Biology** 30: 1658-1673
23. **M.S. Reichert** and G. Höbel. 2017. Frequency-channel dependent selectivity for temporal call characteristics in gray treefrogs, *Hyla versicolor*. **Journal of Experimental Biology** 220: 1256-1266
22. **M.S. Reichert**, J. Finck, and B. Ronacher. 2017. Exploring the hidden landscape of female preferences for complex signals. **Evolution** 71: 1009-1024

21. **M.S. Reichert**, L.B. Symes, and G. Höbel. 2016. Lighting up sound preferences: cross-modal influences on the precedence effect in treefrogs. **Animal Behaviour** 119: 151-159
20. M.A. Bee, **M.S. Reichert**, and J. Tumulty. 2016. Assessment and recognition of competitive rivals in anurans. **Advances in the Study of Behavior** 48: 161-249
19. **M.S. Reichert** and G. Höbel. 2015. Modality interactions alter the shape of acoustic mate preference functions in gray treefrogs. **Evolution** 69: 2384-2398
18. **M.S. Reichert**. 2015. Effects of noise on sound localization in male grasshoppers, *Chorthippus biguttulus*. **Animal Behaviour** 103: 125-135
17. **M.S. Reichert** and B. Ronacher. 2015. Noise affects the shape of female preference functions for acoustic signals. **Evolution** 69: 381-394
16. R.L. Rodríguez, M. Araya-Salas, D.A. Gray, **M.S. Reichert**, L.B. Symes, M.R. Wilkins, R.J. Safran and G. Höbel. 2015. How acoustic signals scale with individual body size: common trends across diverse taxa. **Behavioral Ecology** 26: 168-177
15. **M.S. Reichert**, H. Galante\* and G. Höbel. 2014. Female gray treefrogs, *Hyla versicolor*, are responsive to visual stimuli but unselective of stimulus characteristics. **Journal of Experimental Biology** 217: 3254-3262 \*Undergraduate co-author
14. **M.S. Reichert** and H.C. Gerhardt. 2014. Behavioral strategies and signaling in interspecific aggressive interactions in gray treefrogs. **Behavioral Ecology** 25: 520-530
13. **M.S. Reichert**. 2014. Playback tests and studies of animal contest dynamics: concepts and an example in the gray treefrog. **Behavioral Ecology** 25: 591-603
12. **M.S. Reichert**. 2013. Sources of variability on advertisement and aggressive calling in competitive interactions in the gray treefrog, *Hyla versicolor*. **Bioacoustics** 22: 195-214
11. **M.S. Reichert** and H.C. Gerhardt. 2013. Gray tree frogs, *Hyla versicolor*, give lower-frequency aggressive calls in more escalated contests. **Behavioral Ecology and Sociobiology** 67: 795-804
10. **M.S. Reichert**. 2013. Patterns of variability are consistent across signal types in the treefrog *Dendropsophus ebraccatus*. **Biological Journal of the Linnean Society** 109: 131-145
9. **M.S. Reichert**. 2013. Visual cues elicit courtship signals in a nocturnal anuran. **Behavioral Ecology and Sociobiology** 67: 265-271
8. **M.S. Reichert** and H.C. Gerhardt. 2013. Socially-mediated plasticity in call timing in the gray treefrog, *Hyla versicolor*. **Behavioral Ecology** 24: 393-401

7. **M.S. Reichert** and H.C. Gerhardt. 2012. Trade-offs and upper limits to signal performance during close-range vocal competition in gray treefrogs, *Hyla versicolor*. **The American Naturalist** 180: 425-437
6. **M.S. Reichert**. 2012. Call timing is determined by response call type, but not by stimulus properties, in the treefrog *Dendropsophus ebraccatus*. **Behavioral Ecology and Sociobiology** 66: 433-444
5. **M.S. Reichert** and H.C. Gerhardt. 2011. The role of body size on the outcome, escalation and duration of contests in the grey treefrog, *Hyla versicolor*. **Animal Behaviour** 82: 1357-1366
4. **M.S. Reichert**. 2011. Aggressive calls improve leading callers' attractiveness in the treefrog *Dendropsophus ebraccatus*. **Behavioral Ecology** 22: 951-959
3. **M.S. Reichert**. 2011. Effects of multiple-speaker playbacks on aggressive calling behavior in the treefrog *Dendropsophus ebraccatus*. **Behavioral Ecology and Sociobiology** 65: 1739-1751
2. **M.S. Reichert**. 2010. Aggressive thresholds in *Dendropsophus ebraccatus*: Habituation and sensitization to different call types. **Behavioral Ecology and Sociobiology** 64:529-539
1. D. Satre, **M. Reichert**, and C. Corbitt. 2009. Effects of vinclozolin, an anti-androgen, on affiliative behavior in the Dark-eyed Junco, *Junco hyemalis*. **Environmental Research** 109:400-404

### **Book Chapters**

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- M.S. Reichert**. 2018. Precedence effect. In: Encyclopedia of Animal Cognition and Behavior. Ed., J. Vonk, T.K. Shackelford. Springer
- M.L. Dyson, **M.S. Reichert**, and T.R. Halliday. 2013. Contests in amphibians. In: Animal Contests. ed., I.C.W. Hardy and M. Briffa, pp. 228-257. Cambridge University Press.

### **Teaching Experience**

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#### *Instructor*

- 2022 Evolution (BIOL 4133), Oklahoma State University
- 2022 Animal Communication (BIOL 4313), Oklahoma State University
- 2021 Graduate Seminar on "The Evolution of Beauty" (BIOL 5010)
- 2021 Evolution (BIOL 4133), Oklahoma State University (Spring and Fall)
- 2020 Animal Communication (BIOL 4313), Oklahoma State University
- 2020 Evolution (BIOL 4133), Oklahoma State University
- 2019 Evolution (BIOL 4133), Oklahoma State University
- 2011 Herpetology (Bio\_Sc 3360), University of Missouri
- 2009 Herpetology (Bio\_Sc 3360), University of Missouri

#### *Teaching Assistant*

- 2013 Neurophysiology intensive course (spring and fall semesters), Humboldt University-Berlin
- 2011 Introductory Biology lab, University of Missouri
- 2010 Introductory Biology lab, University of Missouri
- 2009 Herpetology lab, University of Missouri
- 2007 Biostatistics, University of Texas
- 2006 Biostatistics, University of Texas (spring and fall semesters)
- 2005 Introductory Biology I, University of Texas

## **Mentorship**

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### *Current graduate students, thesis advisor*

- 2022-present Phoebe Will, M.S. student
- 2022-present Kaleb Banks, M.S. student
- 2022-present Bailee Augustino, M.S. student
- 2022-present Himidu Himansi, Ph.D. student
- 2021-present Alejandro Marcillo-Lara, Ph.D. student
- 2021-present Jain Krishnan, Ph.D. student

### *Graduated students under my supervision*

- 2019-2021 Jonathan Albers, M.S.
- 2016-2021 Amy Cooke, Ph.D. (at University College Cork; co-supervised with Dr. John Quinn)
- 2017-2021 Jenny Coomes, Ph.D. (at University College Cork; co-supervised with Dr. John Quinn)

### *Undergraduate students mentored (31)*

#### Students mentored since appointment at Oklahoma State University in 2019 (15):

- Nicole Clapp (2019-2020) – Wentz Scholar, successful Honors Thesis defense, BIOL 4750 Student
- Cheyenne Smith (2019-2020) – OK-LSAMP scholar
- A.J. Hager (2019-2021) – Wentz Scholar, successful Honors Thesis defense, BIOL 4750 Student
- Jacinda Berokoff (2019-Present) – HHMI Life Sciences Freshman Research Scholar, BIOL 4700 Student, Wentz Scholar
- Rachel Atherton (2019-Present) – HHMI Life Sciences Freshman Research Scholar, BIOL 4700 Student
- Madisen Brown (2019-Present) – Freshman Research Scholar, BIOL 4700 student
- Erica Anglin (2021) – Interdisciplinary Studies Capstone Project
- Sabyre Rojas (2021) – BIOL 4700 student
- Mason Miller (2021-Present) – Wentz Scholar
- Clarissa Gottfried (2021-Present) – BIOL 4700 student
- Roneisha Littles (2021) – BIOL 4700 student
- Cort Vanzant (2021 – Present) – Volunteer researcher
- Jo Brown (2021 – Present) – Volunteer researcher
- Cory Volosevich (2022 – Present) – Work-study student

Susannah Caldwell (2022 – Present) – Volunteer researcher  
Lindsey Bandl (2022 – Present) – BIOL 4700 student

### **Invited Seminars**

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- 2021 Oklahoma State University, Department of Natural Resource Ecology and Management
- 2021 Invited Plenary Lecture. How do receivers integrate information in complex signals?  
26<sup>th</sup> DZG (German Zoological Society) Graduate Meeting in Evolutionary Biology.  
(Virtual Conference; 05/10/2021)
- 2021 Invited Symposium Speaker – Spatiotemporal Dynamics of Animal Communication  
Symposium, 2021 Society for Integrative and Comparative Biology Conference
- 2018 Humboldt University, Berlin (Germany)
- 2018 Oklahoma State University, Department of Integrative Biology (USA)
- 2018 Queen’s University Belfast (UK)
- 2017 University of Oxford (UK); Edward Grey Institute Seminar Series
- 2015 University College Cork (Ireland); Biological, Earth and Environmental Sciences  
Seminar Series
- 2015 Southern Denmark University (Odense, Denmark); Frog communication workshop
- 2014 Bielefeld University (Bielefeld, Germany); Brain and Behavior seminar
- 2014 Symposium on Contemporary Research on Anuran Communication (New York City)
- 2014 Karl-Franzens-University (Graz, Austria)
- 2013 Ludwig Maximilian University of Munich (Munich, Germany)
- 2013 Bielefeld University (Bielefeld, Germany); Behavior and Evolution seminar series

### **Contributed Presentations at National and International Meetings**

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*Oral Presentations* (as the presenting author)

M.S. Reichert and J. Albers. Personality affects individual variation in learning and reversal learning in *Acheta domesticus*. 2022 Animal Behavior Society Conference. San José, Costa Rica, July 2022

M.S. Reichert & I. de la Hera. The importance of temporal order for response to complex signals in male gray treefrogs. 2021 Virtual Meeting of the Animal Behavior Society. August 2021.

M.S. Reichert. Partitioning variance in a signaling trade-off under sexual selection reveals among-individual covariance in trait allocation, but no repeatable plasticity. 2021 Virtual Meeting of the Association for the Study of Animal Behaviour.

M.S. Reichert. 2020. Temperature limits signaling plasticity in competitive interactions in gray treefrogs. 2020 Virtual Meeting of the Animal Behavior Society. July 2020.

M.S. Reichert, I.G. Kulahci, G.L. Davidson and J. Quinn. 2020. Scrounging Versus Learning Strategies in Foraging Songbirds. 2020 Society for Integrative and Comparative Biology conference. Austin, TX, January 2020.



M.S. Reichert, G. Davidson, I.G. Kulaheci and J. Quinn. 2019. Individual and social determinants of spatial learning performance in a multi-species field-system. 2019 Animal Behavior Society Conference. Chicago, IL, July 2019

M.S. Reichert. How might cognition play a role in animal contests? 2018 Interdisciplinary Workshop: Broader Perspectives on Animal Contests, Belfast, UK, August 2018

M.S. Reichert, M. Foraita, J.M.S. Crane and J. Quinn. Individual variation in territorial neighbour recognition learning and its consequences for reproductive success. 2018 Joint Congress on Evolutionary Biology, Montpellier, France, August 2018

M.S. Reichert, J. Finck and B. Ronacher. Exploring the hidden landscape of female preferences for complex signals. 2017 European Society for Evolutionary Biology Conference. Groningen, Netherlands.

M.S. Reichert, J. Clemens and B. Ronacher. Common biases in sound localization in insects and anurans when directional cues conflict. 2016 Animal Behavior Society Conference. Columbia, MO, USA.

M.S. Reichert, J. Clemens and B. Ronacher. Sound localization in *Chorthippus biguttulus* with conflicting directional cues: effects of temporal order. 2015 Invertebrate Sound and Vibration Conference. Ottawa, Canada

M.S. Reichert. Effects of noise on female preference functions for acoustic signals in *Chorthippus biguttulus*. International Society for Behavioral Ecology conference, New York City, August 2014

M.S. Reichert. Effects of noise on female preference functions in the acoustically communicating grasshopper *Chorthippus biguttulus*. German Ethological Society, Tutzing, Germany, February 2014

M.S. Reichert. Assessment and communication in gray treefrog aggressive interactions. Annual meeting of the Society for Integrative and Comparative Biology, Austin, TX, January 2014

M.S. Reichert. Does experience affect signal detection and classification in anuran acoustic communication? Amphibian neuroethology satellite meeting of the International Congress of Neuroethology, College Park, MD, August 2012

M.S. Reichert and H.C. Gerhardt. Trade-offs and signal performance during close-range vocal competition in gray treefrogs. Joint congress on Evolutionary Biology, Ottawa, Canada, July 2012

M.S. Reichert and H.C. Gerhardt. Determinants of RHP and the level of escalation in aggressive interactions of gray treefrogs. Annual Meeting of the Animal Behavior Society, Bloomington, IN, July 2011

M.S. Reichert. Call timing in the treefrog *Dendropsophus ebraccatus*: The role of the aggressive call. Annual Meeting of the Society for Integrative and Comparative Biology, Salt Lake City, UT, January 2011

M.S. Reichert. Call timing interactions in the treefrog *Dendropsophus ebraccatus*. Annual Meeting of the Animal Behavior Society, Williamsburg, VA, July 2010

M.S. Reichert. Aggressive thresholds in *Dendropsophus ebraccatus*: Habituation and sensitization to different call types. Annual Meeting of the Animal Behavior Society, Pirenópolis, Brazil, June 2009

*Poster Presentations* (as the presenting author)

Reichert, M.S., I. de la Hera. Sensory biases for complex calls in male and female gray treefrogs. Poster presentation, 2022 Gordon Research Conference on Neural Mechanisms of Acoustic Communication

M.S. Reichert. Effects of noise on female preference functions in the acoustically communicating grasshopper *Chorthippus biguttulus*. Annual meeting of the Society for Integrative and Comparative Biology, Austin, TX, January 2014

M.S. Reichert. Directional hearing in masking noise in the grasshopper *Chorthippus biguttulus*. 2013 Invertebrate Sound and Vibration meeting. Glasgow, UK

M.S. Reichert and H.C. Gerhardt. Socially-mediated plasticity in call timing in the gray treefrog, *Hyla versicolor*. 2012 International Congress of Neuroethology, College Park, MD

M.S. Reichert, F. Barbosa, and M.J. Ryan. Effects of social context on female responses to male advertisement calls in túngara frogs (*Physalaemus pustulosus*). Annual Meeting of the Animal Behavior Society, Snowbird, UT, August 2006

M.S. Reichert and A.M. Welch. The effects of social context and body condition on calling behavior in male gray tree frogs. Annual meeting of the Ecological Society of America, Portland, OR. August 2004

**Academic service at Oklahoma State University (2019-Present)**

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**University Service:**

Niblack Undergraduate Research Scholars Selection Committee (2021)

**Departmental Service:**

Graduate Committee, Department of Integrative Biology, Oklahoma State University, member (2019-present)

Technology Committee, Department of Integrative Biology, Oklahoma State University, member (2020-present)

Search Committee, Department of Integrative Biology, Teaching Assistant Professor, Oklahoma State (2019)

Search Committee, Department of Integrative Biology, Systematics/Collection of Vertebrates Assistant Professor (2021)

*Faculty Advisor:* Zoology Graduate Students Society, Oklahoma State University (2019-present)

Reviewed student assignments for assessment of undergraduate program (48 assignments in 2021, 43 assignments in 2022)

*Graduate Student Advisory Committees*

Jamie Najar (MS, Integrative Biology 2021 - 2022)

Victoria Roper (PhD, Integrative Biology 2021 - )

Michael Ellison (MS, Integrative Biology 2021 - )

Amita Chawla (PhD, Integrative Biology 2021 - )

Kiley Cox (MS, Integrative Biology 2022 - )

Luberson Joseph (PhD, Integrative Biology 2022 - )

Owen Edwards (MS, Integrative Biology 2022 - )

*Second Reader for undergraduate honor's theses at Oklahoma State:*

Claire Gallagher (2020)

Bailey Hinshaw (2021)

Taron Mills (2021)

Emma Zompa (2022)

**Reviewer for:**

*Funding agencies:*

Animal Behavior Society Student Research Grants (2019-2022)

National Science Foundation – Panelist for Integrative Organismal Systems, Behavioral Systems Cluster (November 2021)

*External tenure review letters:*

Gettysburg College (August 2022)

*Scientific journals:*

58 manuscripts reviewed:

American Naturalist (1)

Animal Behaviour (15)

Behavioral Ecology (7)

Behavioral Ecology & Sociobiology (5)

Behavioral Processes (2)

Behaviour (2)

Bioacoustics (3)

Biology Letters (3)

Ethology (2)

Evolution (3)

Frontiers Ecology & Evolution (1)

HardwareX (1)

Integrative and Comparative Biology (2)  
JASA Express Letters (1)  
Journal of Experimental Biology (3)  
Philosophical Transactions of the Royal Society B (2)  
Proceedings of the Royal Society B (6)  
Royal Society Open Science (1)  
Scientific Reports (4)

Ad hoc reviewer for: Futuyma & Kirkpatrick Evolution 4<sup>th</sup> edition textbook revision

**Public outreach:**

Judge, 2019 Oklahoma State Science Fair

“Animals of Oklahoma: communication, habitat, and how to track”. 3 day outreach program at Stillwater Middle School, with Dr. Elizabeth McCullagh (May 2021)

Guest on WUWM “Curious Campus” Radio Show

<https://www.wuwm.com/show/CuriousCampus/2022-05-26/calls-in-the-wild-romance-and-the-eastern-gray-tree-frog>

**Service to professional societies:**

Mentor for one undergraduate student in Turner Program, Animal Behavior Society (July 2020)  
Mentor in “Virtual Mentoring Program”, 2020 Animal Behavior Society Conference (July 2020)  
Mentor in “Virtual Mentoring Program”, 2021 Animal Behavior Society Conference (Aug 2021)  
Mentor in Animal Behavior Society Latin American Affairs Committee Mentoring Program (January 2022 - )

**Academic service prior to 2019 appointment at Oklahoma State University**

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**Departmental Service:**

*Chair*, career development subcommittee of University College Cork Athena SWAN School of BEES steering committee

*Coordinator* University College Cork EEB journal club

**Reviewer for:**

*Funding agencies:*

Animal Behaviour Society Student Research Grants (2017-2018), Austrian Science Fund (FWF), Chilean National Science and Technology Commission (CONICYT), French National Research Agency (ANR)

*Scientific journals:*

Acta Herpetologica (1), The American Naturalist (2), Amphibia-Reptilia (2), Animal Behaviour (14), Behaviour (3), Behavioral Ecology (6), Behavioral Ecology & Sociobiology (3), Bioacoustics (4), Biological Journal of the Linnean Society (3), Copeia (1), Current Zoology (2), Ecology Letters (3), Ecology & Evolution (1), Ethology (10), Ethology Ecology and Evolution (1), Evolution (3), Frontiers in Ecology and Evolution (2), Functional Ecology (1),

Herpetologica (2), Journal of the Acoustical Society of America (3), Journal of Comparative Physiology A (1), Journal of Evolutionary Biology (1), Journal of Experimental Biology (1), Journal of Herpetology (1), Journal of Insect Behavior (1), Journal of Natural History (2), Journal of Zoology (3), PeerJ (2), Proceedings of the Royal Society B (3), Scientific Reports (7), The Science of Nature (2)

**Public outreach:**

2017 & 2018 City of Cork “Culture Night” and “Meet the Scientist” events

**Professional experience**

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Postdoctoral research associate, 2012. Department of Biological Sciences, University of Wisconsin-Milwaukee. Supervisor: Dr. Gerlinde Höbel

Laboratory technician. University of Louisville. Supervisor: Dr. Cynthia Corbitt. 2004-2005

Laboratory assistant. University of North Carolina. Supervisor: Dr. Allison Welch. 2002-2003

Intern, invertebrate biology laboratory. University of North Carolina. 2002

**Languages**

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English – Native

Portuguese – excellent

German - intermediate

Spanish – intermediate

French – basics

Turkish - basics