

CURRICULUM VITAE

Todd M. Freeberg

Department of Psychology
1404 Circle Drive, Austin Peay Building 211
University of Tennessee
Knoxville, TN 37996

865-974-3975 (office)
865-686-3138 (home) / 865-208-8466 (mobile)

tfreeber@utk.edu

departmental website = <https://psychology.utk.edu/people/todd-freeberg/>

lab website = <https://compcommlab.utk.edu/>

ORCID ID 0000-0003-3807-4147

EDUCATION

- B.S. Jan 1990 University of Illinois at Urbana-Champaign
Major: Ecology, Ethology, & Evolution
- Ph.D. June 1997 Indiana University
Department of Biology
Major: Ecology and Evolutionary Biology / Animal Behavior
Dissertation: *Cultural transmission of behaviors facilitating assortative courtship and mating in cowbirds (Molothrus ater).*
(Meredith J. West, Chair)

ACADEMIC POSITIONS

- 1997 – 1998 Postdoctoral research and teaching, Department of Biological Sciences, Purdue University
- 1999 – 2001 Postdoctoral research, Department of Audiology & Speech Sciences, Purdue University
- 2001 – 2002 Assistant Research Scientist, Department of Biological Sciences, Purdue University
- 2002 – 2008 Assistant Professor, Department of Psychology, University of Tennessee
- 2008 – 2015 Associate Professor, Department of Psychology, University of Tennessee
- 2011 – 2016 Director of Experimental Psychology Graduate Program, University of Tennessee
- 2004 – present Joint faculty appointment, Department of Ecology and Evolutionary Biology, University of Tennessee
- 2015 – present Professor, Department of Psychology, University of Tennessee
- 2020 – present Director of College Scholars Honors Program, College of Arts & Sciences, University of Tennessee

RESEARCH FOCI

Social influences on communication
Comparative approaches to communication
Social transmission of behavior

AWARDS AND HONORS

- 1990 Phi Beta Kappa, University of Illinois.
- 1992 Howard Hughes Medical Institute Teaching Fellowship, Indiana University.
- 1996 Indiana University Department of Biology Outstanding Associate Instructor Award.
- 1996 Paper, "Social malleability in cowbirds (*Molothrus ater artemisiae*): Species and mate recognition in the first 2 years of life", chosen by Division 6 (Behavioral Neuroscience and Comparative Psychology) of the A.P.A. as best paper published in the *Journal of Comparative Psychology* in 1995.
- 1997 International Society for Developmental Psychobiology Dissertation Award.
- 1999 Graduate Research Ethics Education Workshop attendee; Association for Practical and Professional Ethics, Indiana University.
- 2001 International Ethological Conference Travel Award through N.S.F. XXVII I.E.C., Tübingen, Germany.
- 2006 Chancellor's Award to pursue extramural funding – College of Arts and Sciences, University of Tennessee.
- 2009 University of Tennessee Department of Psychology Faculty Appreciation Award: Graduate Teaching and Research.
- 2011 Fulbright Award to teach in Latvia, Spring 2012 – J. William Fulbright Foreign Scholarship Board. \$25,000. *UT – Knoxville approved leave for Jan – June 2012*
- 2012 Fellow, Association for Psychological Science
- 2014 University of Tennessee Professional Development Award for Sabbatical Leave in France *UT – Knoxville approved leave for Jan – July 2014*
- 2015 University of Tennessee College of Arts & Sciences Senior Faculty Excellence in Research / Creative Achievement Award
- 2017 Fellow, Animal Behavior Society
- 2017 University of Tennessee Chancellor's Award for Research and Creative Achievement
- 2019 Elective Member, American Ornithological Society
- 2021 Fellow, American Psychological Association

APPROVED PROFESSIONAL DEVELOPMENT LEAVE

- Spring 2012 Latvia – Fulbright Scholar Teaching Award to teach at Daugavpils University
United States Department of State
- Spring 2014 France – UTK Faculty Development Leave to work on book
Book contracted through University of Chicago Press
- Spring 2024 U.S.A. – UTK Faculty Development Leave to work on book
Book contracted through University of Chicago Press

GRANTS AND FUNDING

- 2003 Professional Development Award, College of Arts & Sciences, UTK. “Does complexity in social organization predict complexity in vocal communication?” \$ 4690.
- 2008 Professional Development Award, College of Arts & Sciences, UTK. “Comparative studies of vocal complexity: toward an international collaborative project” \$ 3780.
- 2013 National Science Foundation IOS – Behavioral Systems Cluster → Funded
“Collaborative Research: Causes of Variation in Parid Call Complexity”
PI Todd M. Freeberg
Co-PIs Jeffrey Lucas (Purdue University) & Katie Sieving (University of Florida)
\$365,000 → 01 September 2014 – 31 August 2019

PUBLICATIONS IN REFEREED JOURNALS

bold = graduate student coauthor (bold and ** = undergraduate student coauthor) I mentored

1995

1. Freeberg, T. M., King, A. P., & West, M. J. (1995). Social malleability in cowbirds (*Molothrus ater artemisiae*): species and mate recognition during the first 2 years of life. *Journal of Comparative Psychology*, 109, 357-367.

1996

2. Freeberg, T. M. (1996). Assortative mating in captive cowbirds is predicted by social experience. *Animal Behaviour*, 52, 1129-1142.
3. King, A. P., Freeberg, T. M., & West, M. J. (1996). Social experience affects the process and outcome of vocal ontogeny in two populations of cowbirds (*Molothrus ater*). *Journal of Comparative Psychology*, 110, 276-285.
4. West, M. J., King, A. P., & Freeberg, T. M. (1996). Social malleability in cowbirds: new measures reveal new evidence of plasticity in the eastern subspecies (*Molothrus ater ater*). *Journal of Comparative Psychology*, 110, 15-26.

1998

5. Freeberg, T. M. (1998). The cultural transmission of courtship patterns in cowbirds (*Molothrus ater*). *Animal Behaviour*, *56*, 1063-1073.
6. West, M. J., King, A. P., & Freeberg, T. M. (1998). Dual signaling during mating in Brown-headed Cowbirds (*Molothrus ater*, Family Embirizidae / Icterinae). *Ethology*, *104*, 250-267.

1999

7. Freeberg, T. M. (1999). Spatial associations provide a context for social learning of courtship patterns in brown-headed Cowbirds, *Molothrus ater*. *Journal of Comparative Psychology*, *113*, 327-332.
8. Freeberg, T. M., Duncan, S. D., Kast, T. L., & Enstrom, D. A. (1999). Cultural influences on female mate choice: an experimental test in Brown-headed Cowbirds (*Molothrus ater*). *Animal Behaviour*, *57*, 421-426.

2000

9. Freeberg, T. M. (2000). Culture and courtship in vertebrates: a review of social learning and transmission of courtship systems and mating patterns. *Behavioural Processes*, *51*, 177-192.

2001

10. Freeberg, T. M., King, A. P., & West, M. J. (2001). Cultural transmission of vocal traditions in cowbirds (*Molothrus ater*) influences courtship patterns and mate preferences. *Journal of Comparative Psychology*, *115*, 201-211.

2002

11. Freeberg, T. M. & Lucas, J. R. (2002). Receivers respond differently to chick-a-dee calls varying in note composition in Carolina Chickadees (*Poecile carolinensis*). *Animal Behaviour*, *63*, 837-845.
12. Freeberg, T. M., West, M. J., King, A. P., Duncan, S. D., & Sengelaub, D. R. (2002). Cultures, genes, and neurons in the development of song and singing in brown-headed cowbird (*Molothrus ater*). [Special issue on 'The Song System: An Integration of Ethology, Neuroscience, and Physics']. *Journal of Comparative Physiology, A*, *188*, 993-1002.
13. Lucas, J. R., Freeberg, T. M., Krishnan, A., & Long, G. (2002). A comparative study of avian auditory brainstem responses: correlations with phylogeny and vocal complexity, and seasonal effects. [Special issue on 'The Song System: An Integration of Ethology, Neuroscience, and Physics']. *Journal of Comparative Physiology, A*, *188*, 981-992.

2003

14. Freeberg, T. M., Lucas, J. R., & **Clucas, B. A.**** (2003). Variation in chick-a-dee calls of a Carolina chickadee population, *Poecile carolinensis*: identity and redundancy within note types. *Journal of the Acoustical Society of America*, *113*, 2127-2136.

2004

15. **Clucas, B. A.****, Freeberg, T. M., & Lucas, J. R. (2004). Chick-a-dee call syntax, social context, and season affect vocal responses of Carolina chickadees (*Poecile carolinensis*). *Behavioral Ecology & Sociobiology*, *57*, 187-196.

16. Freeberg, T. M. (2004). Social transmission of courtship behavior and mating preferences in brown-headed cowbirds, *Molothrus ater*. [Special issue on ‘Social learning and imitation’]. *Learning and Behavior*, 32, 122-130.

2006

17. Freeberg, T. M. (2006). Social complexity can drive vocal complexity: group size influences vocal information in Carolina chickadees. *Psychological Science*, 17, 557-561.
18. Freeberg, T. M. & White, D. J. (2006). Social traditions and the maintenance and loss of geographic variation in mating patterns of brown-headed cowbirds. *International Journal of Comparative Psychology*, 19, 206-222.
19. Lucas, J. R., Freeberg, T. M., Egbert, J., & Schwabl, H. (2006). Fecal corticosterone, body mass, and caching rates of Carolina chickadees (*Poecile carolinensis*) from disturbed and undisturbed sites. *Hormones and Behavior*, 49, 634-643.

2007

20. **Harvey, E. M.** & Freeberg, T. M. (2007). Behavioral consistency in a changed social context in Carolina chickadees. [Special Issue on ‘Animal Cognition and Behavior’] *Journal of General Psychology*, 134, 229-245.
21. Lucas, J. R., Freeberg, T. M., Long, G. R., & Krishnan, A. (2007). Seasonal variation in avian auditory evoked responses to tones: a comparative analysis of Carolina chickadees, tufted titmice, and white-breasted nuthatches. *Journal of Comparative Physiology, A*, 193, 201-215.
22. **Owens, J. L.** & Freeberg, T. M. (2007). Variation in chick-a-dee calls of tufted titmice, *Baeolophus bicolor*: note type and individual distinctiveness. *Journal of the Acoustical Society of America*, 122, 1216-1226.

2008

23. Freeberg, T. M. (2008). Complexity in the chick-a-dee call of Carolina chickadees (*Poecile carolinensis*): associations of context and signaler behavior to call structure. *Auk*, 125, 896-907.
24. Freeberg, T. M. & **Harvey, E. M.** (2008). Group size and social interactions are associated with calling behavior in Carolina chickadees, *Poecile carolinensis*. *Journal of Comparative Psychology*, 122, 312-318.
25. Freeberg, T. M., King, A. P., & West, M. J. (2008). Behavioral compatibility and reproductive outcomes in two distant populations of captive brown-headed cowbirds (*Molothrus ater*). *Journal of Comparative Psychology*, 122, 437-440.

2009

26. Freeberg, T. M., & Lucas, J. R. (2009). Pseudoreplication is (still) a problem. *Journal of Comparative Psychology*, 123, 450-451.
27. **Mahurin, E. J.**, & Freeberg, T. M. (2009). Chick-a-dee call variation in Carolina chickadees and recruiting flockmates to food. *Behavioral Ecology*, 20, 111-116.

2010

28. **Bartmess-LeVasseur, J.****, **Branch, C. L.****, **Browning, S. A.**, **Owens, J. L.**, & Freeberg, T. M. (2010). Predator stimuli and calling behavior of Carolina chickadees (*Poecile carolinensis*),

tufted titmice (*Baeolophus bicolor*), and white-breasted nuthatches (*Sitta carolinensis*). *Behavioral Ecology & Sociobiology*, 64, 1187-1198.

29. Bērziņš, A., Krama, T., Krams, I., Freeberg, T. M., **Kivleniece, I.**, Kullberg, C., & Rantala, M. J. (2010). Mobbing as a tradeoff between safety and reproduction in a songbird. *Behavioral Ecology*, 21, 1054-1060.

2012

30. **Branch, C. L.****, & Freeberg, T. M. (2012). Distress calls in tufted titmice (*Baeolophus bicolor*): are conspecifics or predators the target? *Behavioral Ecology*, 23, 854-862.
31. Burghardt, G. M., **Bartmess-LeVasseur, J. M.**, **Browning, S. A.**, **Morrison, K. E.**, **Stec, C. L.**, **Zachau, C. E.**, & Freeberg, T. M. (2012). Perspectives – Minimizing observer bias in behavioral studies: a review and recommendations. *Ethology*, 118, 511-517.
32. Freeberg, T. M. (2012). Geographic variation in note composition and use of *chick-a-dee* calls of Carolina Chickadees (*Poecile carolinensis*). *Ethology*, 118, 555-565.
33. Freeberg, T. M., Dunbar, R. I. M., & Ord, T. J. (2012). Social complexity as a proximate and ultimate factor in communicative complexity. *Philosophical Transactions of the Royal Society of London, B*, 367, 1785-1801.
34. Freeberg, T. M., & Lucas, J. R. (2012). Information theoretical approaches to chick-a-dee calls of Carolina chickadees (*Poecile carolinensis*). *Journal of Comparative Psychology*, 126, 68-81.
35. Krama, T., **Vrublevska, J.**, Freeberg, T. M., Kullberg, C., Rantala, M.J., & Krams, I. (2012). You mob my owl, I'll mob yours: birds play tit-for-tat game. *Scientific Reports*, 2, 800; DOI:10.1038/srep00800.
36. Krams, I., Krama, T., Freeberg, T. M., Kullberg, C., & Lucas, J. R. (2012). Linking social complexity and vocal complexity: a parid perspective. *Philosophical Transactions of the Royal Society of London, B*, 367, 1879-1891.
37. **Zachau, C. E.**, & Freeberg, T. M. (2012). Chick-a-dee call variation in the context of 'flying' avian predator stimuli: a field study of Carolina chickadees (*Poecile carolinensis*). *Behavioral Ecology & Sociobiology*, 66, 683-690.

2013

38. Freeberg, T. M., & **Branch, C. L.** (2013). Call variation in tufted titmice (*Baeolophus bicolor*) in a distress context: potential sex differences. *Ethology*, 119, 680-691.
39. Freeberg, T. M., & **Mahurin, E. J.** (2013). Variation in note composition of *chick-a-dee* calls is associated with signaler flight in Carolina chickadees, *Poecile carolinensis*. *Ethology*, 119, 1086-1095.
40. Krams, I., Daukšte, J., **Kivleniece, I.**, Kaasik, A., Krama, T., Freeberg, T. M., & Rantala, M. J. (2013). Trade-off between cellular immunity and life span in mealworm beetles *Tenebrio molitor*. *Current Zoology*, 59, 340-346.
41. Krams, I., **Kivleniece, I.**, Kuusik, A., Krama, T., Freeberg, T. M., Mänd, R., **Vrublevska, J.**, Rantala, M. J., & Mänd, M. (2013). Predation selects for low resting metabolic rate and consistent individual differences in anti-predator behavior in a beetle. *Acta Ethologica*, 16, 163-172.

42. Krams, I., **Kivleniece, I.**, Kuusik, A., Krama, T., Mänd, R., Rantala, M. J., Znotiņa, S., Freeberg, T. M., & Mänd, M. (2013). Predation promotes survival of beetles with lower resting metabolic rates. *Entomologia Experimentalis et Applicata*, *148*, 94-103.

2014

43. Avey, M. T., Bloomfield, L. L., Elie, J. E., Freeberg, T. M., Guillette, L. M., Hoeschele, M., Lee, H., Moscicki, M. K., **Owens, J. L.**, & Sturdy, C. B. (2014). ZENK activation in the nidopallium of black-capped chickadees in response to both conspecific and heterospecific calls. *PLoS ONE*, *9*; DOI: 10.1371/journal.pone.0100927.
44. Freeberg, T. M., Krama, T., **Vrublevska, J.**, Krams, I., & Kullberg, C. (2014). Tufted titmouse (*Baeolophus bicolor*) calling and risk-sensitive foraging in the face of threat. *Animal Cognition*, *17*, 1341-1352.
45. Kershenbaum, A., Bowles, A. E., Freeberg, T. M., Jin, D. Z., Lameira, A. R., & Bohn, K. (2014). Animal vocal sequences: not the Markov chains we thought they were. *Proceedings of the Royal Society of London, B*, *281*, 20141370.
46. Krams, I. A., Krama, T., Moore, F. R., **Kivleniece, I.**, Kuusik, A., Freeberg, T. M., Mänd, R., Rantala, M. J., Daukšte, J., & Mänd, M. (2014). Male mealworm beetles increase resting metabolic rate under terminal investment. *Journal of Evolutionary Biology*, *27*, 541-550.
47. Krams, I., **Kivleniece, I.**, Kuusik, A., Krama, T., Freeberg, T. M., Mänd, R., **Sivacova, L.**, Rantala, M. J., & Mänd, M. (2014). High repeatability of anti-predator responses and resting metabolic rate in a beetle. *Journal of Insect Behavior*, *27*, 57-66.

2015

48. **Bartmess-LeVasseur, J. N.**, & Freeberg, T. M. (2015). Isolation increases time to emerge from shells in two *Coenobita* hermit crab species. *Acta Ethologica*, *18*, 221-225.
49. **Book, D. L.**, & Freeberg, T. M. (2015). Titmouse calling and foraging are affected by head and body orientation of cat predator models and possible experience with real cats. *Animal Cognition*, *18*, 1155-1164.
50. Freeberg, T. M., & Krams, I. (2015). Does social complexity link vocal complexity and cooperation? *Journal of Ornithology*, *156*, S125-S132.
51. Kershenbaum, A., Freeberg, T. M., Gammon, D. E. (2015). Estimating vocal repertoire size is like collecting coupons: a theoretical framework with heterogeneity in signal abundance. *Journal of Theoretical Biology*, *373*, 1-11.
52. **Vrublevska, J.**, Krama, T., Rantala, M. J., Mierauskas, P., Freeberg, T. M., & Krams, I. A. (2015). Personality and density affect nest defence and nest survival in the great tit. *Acta Ethologica*, *18*, 111-120.

2016

53. **Cantwell, L. R.**, **Johnson III, W. T.****, **Kaschel, R. E.****, **Love, D. J.****, & Freeberg, T. M. Predator-risk-sensitive foraging behavior of Carolina chickadees (*Poecile carolinensis*) and tufted titmice (*Baeolophus bicolor*) in response to the head orientation of snake predator models. (2016). *Behavioral Ecology & Sociobiology*, *70*, 533-539.
54. Freeberg, T. M., **Book, D. L.**, & **Weiner, R. L.**** (2016). Foraging and calling behavior of Carolina chickadees (*Poecile carolinensis*) in response to the head orientation of potential predators. *Ethology*, *122*, 10-19.

55. **Johnson III, W. T.****, & Freeberg, T. M. (2016). Pseudoreplication in use of predator stimuli in experiments on antipredator responses. *Animal Behaviour*, *119*, 161-164.
56. Kershenbaum, A., Blumstein, D. T., Roch, M. A., Akçay, C., Backus, G., Bee, M. A., Bohn, K., Cao, Y., Carter, G., Căsar, C., Coen, M., DeRuiter, S. L., Doyle, L., Edelman, S., Ferrer-i-Cancho, R., Freeberg, T. M., Garland, E. C., Gustison, M., Harley, H. E., Huetz, C., Hughes, M., Bruno, J. H., Ilany, A., Jin, D. Z., Johnson, M., Ju, C., Karnowski, J., Lohr, B., Manser, M. B., McCowan, B., Mercado III, E., Narins, P. M., Piel, A., Rice, M., Salmi, R., Sasahara, K., Sayigh, L., Shiu, Y., Taylor, C., Vallejo, E. E., Waller, S., & Zamora-Gutierrez, V. (2016). Acoustic sequences in non-human animals: a tutorial review and prospectus. *Biological Reviews*, *91*, 13-52.
57. **Kyle, S. C.**, & Freeberg, T. M. (2016). Do Carolina chickadees (*Poecile carolinensis*) and tufted titmice (*Baeolophus bicolor*) attend to the head or body orientation of a perched avian predator? *Journal of Comparative Psychology*, *130*, 145-152.
- 2017
58. **Coppinger, B., Cannistraci, R. A., Karaman, F., Kyle, S. C.**, Hobson, E. A., Freeberg, T. M., & Hay, J. F. (2017). Studying audience effects in animals: what we can learn from human language research. *Animal Behaviour*, *124*, 161-165.
59. Freeberg, T. M., **Eppert, S. K.****, Sieving, K. E., & Lucas, J. R. (2017). Diversity in mixed species groups improves success in a novel feeder test in a wild songbird community. *Scientific Reports*, *7*:43014 | DOI: 10.1038/srep43014.
60. **Jung, H.**, & Freeberg, T. M. (2017). Variation in *chick-a-dee* calls of bridled titmice (*Baeolophus wollweberi*): frequent use of non-combinatorial calls in a combinatorial calling system. *Ethology*, *123*, 835-842.
- 2018
61. **Bush, J. M., Jung, H., Connell, J. P.**, & Freeberg, T. M. (2018). Duty now for the future: a call for public outreach by animal behaviour researchers. *Animal Behaviour*, *139*, 161-169.
62. **Coppinger, B. A., Sanchez de-Launay, A.**, & Freeberg, T. M. (2018). Carolina chickadee (*Poecile carolinensis*) calling behavior in response to threats and in flight: flockmate familiarity matters. *Journal of Comparative Psychology*, *132*, 16-23.
63. Lucas, J. R., Gentry, K. E., Sieving, K. E., & Freeberg, T. M. (2018). Communication as a fundamental part of Machiavellian Intelligence. *Journal of Comparative Psychology*, *132*, 442-454.
- 2019
64. **Coppinger, B. A., Davis, J.**, & Freeberg, T. M. (2019). Flockmate familiarity affects note composition of *chick-a-dee* calls. *Acta Ethologica*, *22*, 73-77.
65. Freeberg, T. M., Gentry, K. E., Sieving, K. E., & Lucas, J. R. (2019). On understanding the nature and evolution of social cognition: a need for the study of communication. *Animal Behaviour*, *155*, 279-286.
66. Gentry, K. E., Roche, D. P., Mugel, S. G., Lancaster, N. D., Sieving, K. E., Freeberg, T. M., & Lucas, J. R. (2019). Flocking propensity by satellites, but not core members of mixed-species flocks, increases when individuals experience energetic deficits in a poor-quality foraging habitat. *PLoS ONE*, *14*, e0209680. DOI: 10.1371/journal.pone.0209680.

2020

67. **Coppinger, B. A.**, Kania, S., Lucas, J. R., Sieving, K. E., & Freeberg, T. M. (2020). Experimental manipulation of mixed-species flocks reveals heterospecific audience effects on calling. *Animal Behaviour*, *167*, 193-207.
68. **Jung, H.**, **Sherrod, A.****, **LeBreux, S.****, Price, J. & Freeberg, T. M. (2020). Traffic noise and responses to a simulated approaching avian predator in mixed-species flocks of chickadees, titmice, and nuthatches. *Ethology*, *126*, 620-629.
69. Krams, I. A., Krama, T., Freeberg, T. M., Krams, R., & Sieving, K. E. (2020). Attacks of songbirds in mixed-species flocks by Eurasian sparrowhawks: strategies of predators and potential prey. *Journal of Field Ornithology*, *91*, 367-374.

2021

70. Bai, J., Freeberg, T. M., Lucas, J. R., & Sieving, K. E. (2021). A community context for aggression? Multi-species audience effects on territorial aggression in two species of Paridae. *Ecology & Evolution*, *11*, 5305-5319.
71. Freeberg, T. M. (2021). Zing-Yang Kuo and "Giving Up Instincts in Psychology", 100 Years Later. *Journal of Comparative Psychology*, *135*, 151-155.

2022

72. Benson, S. A., Kelly, J. R., Kullberg, C., Krama, T., Vrublevska, J., Krams, I., & Freeberg, T. M. (2022). Graded-risk sensitivity in northern European mixed-species flocks of tit and nuthatch species. *Ethology*, *128*, 437-442.
73. Richardson, K. E., Roche, D. P., Mugel, S. G., Lancaster, N. D., Sieving, K. E., Freeberg, T. M., & Lucas, J. R. (2022). Social dynamics of core members in mixed-species bird flocks change across a gradient of foraging habitat quality. *PLoS ONE*, *17*, e0262385.

2023

74. Carlson, N. V., Freeberg, T. M., Goodale, E., & Theo, A. H. (2023). Mixed-species groups and aggregations: shaping ecological and behavioural patterns and processes. *Philosophical Transactions of the Royal Society of London, B*, *378*, 20220093. <https://doi.org/10.1098/rstb.2022.0093>
75. Coppinger, B. A., Carlson, N. V., Freeberg, T. M., & Sieving, K. E. (2023). Mixed-species groups and the question of dominance in the social ecosystem. *Philosophical Transactions of the Royal Society of London, B*, *378*, 20220097. <https://doi.org/10.1098/rstb.2022.0097>.
76. Freeberg, T. M., Coppinger, B. A., & Eppert, S. K. (2023). Mixed-species flock composition matters: interspecific influences on finding novel food in North American parids. *Philosophical Transactions of the Royal Society of London, B*, *378*, 20220113. <https://doi.org/10.1098/rstb.2022.0113>.
77. Freeberg, T. M., & Fiset, S. (2023). Influence of group size on shelter choice in *Blaptica dubia* cockroaches. *Journal of Comparative Psychology*, *137*, 155-166.
78. Krama, T., Krams, R., Popovs, S., Trakimas, G., Rantala, M. J., Freeberg, T. M., & Krams, I. A. (2023). Permanent ad-lib feeders decrease the survival of wintering great tits (*Parus major*). *Birds*, *4*, 225–235. <https://doi.org/10.3390/birds4020019>
79. Adams, C. B., Papeş, M., Price, C. A., & Freeberg, T. M. (2023). Influence of social and physical environmental variation on antipredator behavior in mixed-species parid flocks. *PLoS ONE*, *18*(12): e0295910. <https://doi.org/10.1371/journal.pone.0295910>

Web of Science H-index as of January 2024 = 27

In Press

- Freeberg, T. M., Benson, S. A., & Burghardt, G. M. (2024, In Press). Minimizing observer bias in animal behavior studies revisited: improvement, but a long way to go. To appear in *Ethology*.
- Freeberg, T. M., Risner, S. R., Lang, S. Y., & Fiset, S. (2024, In Press). Conspecific and heterospecific cueing in shelter choices of *Blaptica dubia* cockroaches. To appear in *PeerJ*.

BOOKS

- Freeberg, T. M., Ridley, A. R., & d’Ettorre, P., Editors. (2023). *Routledge International Handbook of Comparative Psychology*. Routledge / Taylor & Francis.

CHAPTERS IN EDITED BOOKS

1. West, M. J., King, A. P., & Freeberg, T. M. (1994). The nature and nurture of neophenotypes. In L. Real (Ed.), *Behavioral Mechanisms in Evolutionary Ecology* (pp. 238-257). Chicago: University of Chicago Press.
2. West, M. J., King, A. P., & Freeberg, T. M. (1997). Building a social agenda for birdsong. In C. T. Snowdon & M. Hausberger (Eds.), *Social Influences on Vocal Development* (pp. 41-56). Cambridge: Cambridge University Press.
3. Freeberg, T. M., Baker, M. C., Bloomfield, L. L., Charrier, I., Gammon, D. E., Hailman, J. P., Lee, T. T.-Y., Lucas, J. R., Mennill, D. J., & Sturdy, C. B. (2007). Complexities in vocal communication. In K. Otter (Ed.), *Ecology and Behavior of Chickadees and Titmice: An Integrated Approach*, (pp. 235-240), Oxford: Oxford University Press.
4. Lucas, J. R. & Freeberg, T. M. (2007). “Information” and the chick-a-dee call: communicating with a complex vocal system. In K. Otter (Ed.), *Ecology and Behavior of Chickadees and Titmice: An Integrated Approach*, (pp. 199-213). Oxford: Oxford University Press.
5. Freeberg, T. M. (2010) Cultural inheritance of signals. In M. D. Breed and J. Moore (Eds.), *Encyclopedia of Animal Behavior, Volume 1*, (pp. 435-439). Oxford: Academic Press.
6. Lucas, J. R., & Freeberg T. M. (2010) Communication: an overview. In M. D. Breed and J. Moore (Eds.), *Encyclopedia of Animal Behavior, Volume 1*, (pp. 337-339). Oxford: Academic Press.
7. Freeberg, T. M., Book, D. L., Jung, H., & Kyle, S. C. (2017). Communication, cues, and signals. In: T. K. Shackelford and V. A. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*, DOI 10.1007/978-3-319-16999-6_2728-1, (pp. 1-10). Springer International Publishing.
8. Browning, S. A., & Freeberg, T. M. (2019). Alarm calls. In: T.K. Shackelford and V.A. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*, DOI 10.1007/978-3-319-16999-6_1364-1, (pp. 1-4). Springer International Publishing.

9. Coppinger, B. A., Benson, S. A., & Freeberg, T. M. (2019). Signal reliability. In: T.K. Shackelford and V.A. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*, DOI 10.1007/978-3-319-16999-6_2729-1, (pp. 1-7). Springer International Publishing.
10. Freeberg, T. M. (2019). Philosophie Zoologique. In: T.K. Shackelford and V.A. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*, DOI 10.1007/978-3-319-16999-6_1279-1, (pp. 1-5). Springer International Publishing.
11. Mathot, K. J., Zollinger, S. A., & Freeberg, T. M. (2022). Personality and behavioural syndromes. pp 239-262 in: D. Proppe (Ed.), *Songbird behavior: Implications for conservation and management in the Anthropocene*, CRC Press.
12. Freeberg, T. M., & Coppinger, B. A. (2023). Social contextual influences on behaviour. Pp 302-314 in: T. M. Freeberg, A. R. Ridley, & P. d’Ettorre (Eds.), *Routledge International Handbook of Comparative Psychology*. Routledge / Taylor & Francis.
13. Freeberg, T. M., Ridley, A. R., & d’Ettorre, P. (2023). Introduction to the Routledge International Handbook of Comparative Psychology. pp 3-9 in: T. M. Freeberg, A. R. Ridley, & P. d’Ettorre (Eds.), *Routledge International Handbook of Comparative Psychology*. Routledge / Taylor & Francis.

COMMENTARIES, BOOK REVIEWS, & NON-PEER-REVIEWED PUBLISHED WORK

1. Freeberg, T. M. (1998). Review of “Red-winged Blackbirds: Decision-Making & Reproductive Success” by L. D. Beletsky & G. H. Orians and “Polygyny and Sexual Selection in Red-winged Blackbirds” by W. A. Searcy & K. Yasukawa. *Quarterly Review of Biology*, 73, 249.
2. Freeberg, T. M. (2001). Communicative cultures in cetaceans: big questions are unanswered, functional analyses are needed (Commentary on L. Rendell & H. Whitehead, “Culture in whales and dolphins”). *Behavioral and Brain Sciences*, 24, 334.
3. Freeberg, T. M. (2001). Review of “The Ontogeny of Information: Developmental Systems and Evolution, 2nd Edition” and “Evolution’s Eye: A Systems View of the Biology-Culture Divide” by S. Oyama. *Ethology*, 107, 277-279.
4. Schrag, B., Freeberg, T. M., & Anestidou, L. (2004). The Gladiator Sparrow: ethical issues in behavioral research on captive populations of wild animals – A case study with commentaries exploring ethical issues and research on wild animal populations. *Journal of Science and Engineering Ethics*, 10, 717-734.
5. Freeberg, T. M. (2006). Review of “In the Company of Crows and Ravens” by J. M. Marzluff & T. Angell. *Animal Behaviour*, 71, 996-997.
6. Freeberg, T. M. (2008). Review of “Macchiavellian Intelligence: How Rhesus Macaques and Humans Have Conquered the World” by D. Maestriperi. *Animal Behaviour*, 75, 2049-2050.
7. Schwartz, J. J., & Freeberg, T. M. (2008). Acoustic interaction in animal groups: signaling in noisy and social contexts. *Journal of Comparative Psychology*, 122, 231-234.

8. Freeberg, T. M., Lucas, J. R., & Krams, I. (2012). The complex call of the Carolina chickadee: what can the *chick-a-dee* call teach us about communication and language? *American Scientist*, *100*, 398-407.
9. Freeberg, T. M., & Moore, T. M. (2012). Research ethics education challenges in a psychology department. *Teaching Ethics*, *12*, 107-111.
10. Freeberg, T. M., Ord, T. J., & Dunbar, R. I. M. (2012). The social network and communicative complexity: preface to theme issue. *Philosophical Transactions of the Royal Society of London, B*, *367*, 1782-1784.
11. Freeberg, T. M. (2018). On need, communication, and cooperation in rats (*Rattus norvegicus*). [Featured article essay] *Journal of Comparative Psychology*, *132*, 117-118.
12. Freeberg, T. M. (2018). The Rooney Rule: the value of diversity in birds, bees, and people. *Skeptical Magazine*, *23*, 30-31.
13. Freeberg, T. M. (2018). Populations and personalities. [Featured article essay] *Journal of Comparative Psychology*, *132*, 347-348.
14. Freeberg, T. M. (2019). From simple rules of individual proximity, complex and coordinated collective movement. [Featured article essay] *Journal of Comparative Psychology*, *133*, 141-142.
15. Freeberg, T. M. (2019). How comparatively widespread are visual illusions? [Featured article essay] *Journal of Comparative Psychology*, *133*, 417-418.
16. Freeberg, T. M. (2020). Familiarity – the bridge from social interactions to relationships? [Featured article essay] *Journal of Comparative Psychology*, *134*, 133-134.
17. Freeberg, T. M. (2020). On mark-test replication and mirror self-recognition in magpies. [Featured article essay] *Journal of Comparative Psychology*, *134*, 361-362.
18. Freeberg, T. M. (2021). Clark's nutcrackers (*Nucifraga columbiana*) modify caching behavior when observed. [Featured article essay] *Journal of Comparative Psychology*, *135*, 168-169.
19. Freeberg, T. M. (2021). Factors in forgetting in spider monkeys, *Ateles geoffroyi*. [Featured article essay] *Journal of Comparative Psychology*, *135*, 466-467.
20. Freeberg, T. M. (2022). Testing the role of macaque social tolerance in ability to follow human eye gaze. [Featured article essay] *Journal of Comparative Psychology*, *136*, 91-92.
21. Freeberg, T. M. (2022). Simplicity and complexity in human and nonhuman communication. [Featured article essay] *Journal of Comparative Psychology*, *136*, 213-214.
22. Freeberg, T. M. (2023). Chickadees, titmice, and nuthatches flocking together benefit from a diversity bonus – so do other animals, including humans. *The Conversation*, 07 Feb 2023: <https://theconversation.com/chickadees-titmice-and-nuthatches-flocking-together-benefit-from-a-diversity-bonus-so-do-other-animals-including-humans-192319>

PAPERS PRESENTED AT PROFESSIONAL CONFERENCES

bold = graduate student coauthor (bold and ** = undergraduate student coauthor) I mentored

- Freeberg, T. M., King, A. P. & West, M. J. (1993, July). Species specific song use in cowbirds (*Molothrus ater artemisiae*) is altered by social experience. Paper presented at Animal Behavior Society Conference, University of California, Davis, CA.
- Freeberg, T. M., King, A. P. & West, M. J. (1995, April). Social malleability of courtship behaviors in male cowbirds (*Molothrus ater*) in the second year of life. Paper presented at Midwest Regional Animal Behavior Conference, Miami University, Miami, OH.
- Freeberg, T. M. (1995, July). Pairing preferences in female cowbirds modifiable by social experience. Paper presented at Animal Behavior Society Conference, University of Nebraska, Lincoln, NE.
- Freeberg, T. M. (1996, November). Social learning and mating systems in cowbirds. Paper presented at International Society for Developmental Psychobiology Conference, Washington, DC.
- Freeberg, T. M. (1996, November). Social learning of courtship systems in brown-headed cowbirds, *Molothrus ater*. Paper presented at Midwest Regional Animal Behavior Conference, Indiana University, Bloomington, IN.
- Freeberg, T. M., Kast, T. L., Duncan, S. D., & Enstrom, D. A. (1996, November). Social experience and female mate choice in cowbirds. Paper presented at Midwest Regional Animal Behavior Conference, Indiana University, Bloomington, IN.
- Freeberg, T. M. (1997, October). Cultural transmission of courtship patterns in cowbirds (*Molothrus ater*). ISDP 1997 Dissertation Award Address, International Society for Developmental Psychobiology Conference, New Orleans, LA.
- Freeberg, T. M. (1998, July). Social learning and cultural transmission of patterns of courtship in brown-headed cowbirds. Poster session presented at 2nd Social Learning Conference, Stazione Zoologica di Napoli “A. Dohrn”, Napoli, Italy.
- Freeberg, T. M. (1998, July). Spatial associations provide a context for the social learning of courtship patterns in captive cowbirds. Paper presented at Animal Behavior Society Conference, Southern Illinois University, Carbondale, Illinois.
- Freeberg, T. M., King, A. P., & West, M. J. (1998, July) Probing the deep structure of social experience: studies of the development of communicating. Paper presented at 2nd Social Learning Conference, Stazione Zoologica di Napoli, Napoli, Italy.
- Lucas, J. R. & Freeberg, T. M. (1998, July). Social influences on vocalizations of flocking Carolina chickadees (*Poecile carolinensis*). Paper presented at International Behavioral Ecology Conference, Pacific Grove, CA.
- West, M. J., King, A. P. & Freeberg, T. M. (1998, July). Social learning of courtship skills in brown-headed cowbirds: a good song does not necessarily a good singer make. Poster session presented at 2nd Social Learning Conference, Stazione Zoologica di Napoli “A. Dohrn”, Napoli, Italy.
- Freeberg, T. M. & Lucas, J. R. (1999, June). Social learning of calls in Carolina chickadees, *Poecile carolinensis*. Paper presented at Animal Behavior Society Conference, Bucknell University, Lewisburg, PA.
- Freeberg, T. M. (1999, August). Social learning, assortative mating and mate choice in an avian brood parasite. Paper presented in Kevin N. Laland (symposium organizer), *Social Learning*. A symposium at the XXVI International Ethological Conference, Bangalore, India.
- Freeberg, T. M. (1999, September). “Culture”, courtship patterns, and mate choice in cowbirds, *Molothrus ater*. Paper presented in Daniel D. Wiegmann (symposium organizer), *Search Tactics and Mate Choice*. A symposium at the Midwest Regional Animal Behavior Society Conference, Bowling Green, OH.
- Freeberg, T. M. (2000, February). The Gladiator sparrow: ethical issues in behavioral research on captive populations of wild animals.” Paper presented at Association for Practical and Professional Ethics Conference, Washington, D.C.

- Freeberg, T. M. & Lucas, J. R. (2000, August). Social interaction and vocal convergence in Carolina chickadees. Paper presented at Animal Behavior Society Conference, Morehouse College, Atlanta, GA.
- Freeberg, T. M., Lucas, J. R., Krishnan, A., & Long, G. (2000, August). A comparative study of avian auditory brainstem responses. Paper presented at Animal Behavior Society Conference, Morehouse College, Atlanta, GA.
- Freeberg, T. M., King, A. P., & West, M. J. (2000, November). It takes a village to raise a communicative culture: vocal traditions and courtship patterns in cowbirds. Paper presented at International Society for Developmental Psychobiology Conference, New Orleans, LA.
- Freeberg, T. M. (2001, March). The necessity of behavioral research with animals to questions of animal welfare and rights. Paper presented at Association for Practical and Professional Ethics Conference, Cincinnati, OH.
- Freeberg, T. M., West, M. J., King, A. P., Duncan, S. D., & Sengelaub, D. R. (2001, July). The developmental system of brown-headed cowbird vocal communication: cultures, genes, and brains. Paper presented in O. Tchernichovski (symposium organizer), *The Song System: An Integration of Ethology, Neuroscience, and Physics*. A symposium at the Animal Behavior Society Conference, Corvallis, OR.
- Lucas, J. R., Freeberg, T. M., Krishnan, A., & Long, G. (2001, July). A comparative analysis of avian auditory acuity: auditory brainstem responses and frequency following responses. Paper presented in O. Tchernichovski (symposium organizer), *The Song System: An Integration of Ethology, Neuroscience, and Physics*. Symposium at the Animal Behavior Society Conference, Corvallis, OR.
- Freeberg, T. M. (2001, August). Social influences on avian vocal communication: shifting focus to social interactions and vocal signaling. Paper presented at the Conference “Social Life and Communication: An Element of Understanding in the Evolution of Language?”, Rennes, France.
- Freeberg, T. M. & Lucas, J. R. (2001, August). Chick-a-dee calls and chickadee social organization: analogue to language evolution? Paper presented in L. Henry, M. Hausberger, & A. Jouanjan (symposium organizers), *Social Life and Communication in Vertebrates*. A symposium at the XXVII International Ethological Conference, Tübingen, Germany.
- Lucas, B. A.**, Freeberg, T. M., & Lucas, J. R. (2002, July). Chick-a-dee call syntax, social environment and season affect vocal responses of Carolina chickadees (*Poecile carolinensis*). Poster session at the Animal Behavior Society Conference, Bloomington, IN.
- Freeberg, T. M. & Lucas, J. R. (2002, July). Carolina chickadees (*Poecile carolinensis*) respond differently to chick-a-dee calls varying in syntax. Paper presented at Animal Behavior Society Conference, Bloomington, IN.
- Freeberg, T. M. & Lucas, J. R. (2002, July). Variation in chick-a-dee calls of a Carolina chickadee population: identity and redundancy within note types. Paper presented at Animal Behavior Society Conference, Bloomington, IN.
- Freeberg, T. M. & Lucas, J. R. (2002, August). Comparative approaches to understanding meaning in chick-a-dee calls of Carolina chickadees. Paper presented at International Society of Comparative Psychology Conference, Chicago, IL.
- Freeberg, T. M. (2003, May). “Culture” and courtship in cowbirds: influence of social traditions on mating decisions. Paper presented in B. G. Galef, Jr. (symposium organizer), *Social Learning and Imitation*. A symposium at the Midwest American Psychological Association meeting, Chicago, IL.
- Freeberg, T. M. (2003, July). Context and chick-a-dee call structure in Carolina chickadees, *Poecile carolinensis*. Paper presented at First International Conference on Acoustic Communication by Animals, College Park, MR.
- Freeberg, T. M. (2003, July). Context and chick-a-dee call structure in Carolina chickadees. Paper presented at Animal Behavior Society Conference, Boise, ID.
- Freeberg, T. M. (2004, January). Context, complexity, and the chick-a-dee call of Carolina chickadees. Paper presented at Winter Animal Behavior Conference, Breckenridge, CO.
- Freeberg, T. M. (2004, February). Research ethics case studies in animal behavior. Paper presented at Association for Practical and Professional Ethics Conference, Cincinnati, OH.

- Freeberg, T. M. (2004, June). Geographic variation in the chick-a-dee call of Carolina chickadees, *Poecile carolinensis*. Paper presented at Animal Behavior Society Conference, Oaxaca, Mexico.
- Lucas, J. R., Freeberg, T. M., & Schwabl, H. (2004, June). Corticosterone and caching intensities of Carolina chickadees from a forested and non-forested site. Paper presented at Animal Behavior Society Conference, Oaxaca, Mexico.
- Freeberg, T. M. (2005, January). Does social complexity predict vocal complexity in species of chickadees and titmice? Paper presented at Winter Animal Behavior Conference, Steamboat Springs, CO.
- Freeberg, T. M. (2005, August). Group size influences vocal complexity in Carolina chickadees. Paper presented at Animal Behavior Society Conference, Snowbird, UT.
- Miller, J. L., Mahurin, E. J., Davis, K. M., & Freeberg, T. M.** (2005, August). Note composition of chick-a-dee calls influenced by feeding context in Carolina chickadees. Poster session presented at the Animal Behavior Society Conference, Snowbird, UT.
- Freeberg, T. M. (2006, June). Social complexity can drive vocal complexity: group size and information in chickadee calls in Carolina chickadees. Paper presented in J. Schwartz (symposium organizer), *Acoustic Interactions in Animal Groups*. A symposium at the Acoustical Society of American Meeting, Providence, RI.
- Freeberg, T. M. (2006, August). The 'chick-a-dee' call of North American titmouse species is combinatorial. Paper presented at Animal Behavior Society, Snowbird, UT.
- Harvey, E. M. & Freeberg, T. M.** (2006, August). Behavioral consistency in Carolina chickadees (*Poecile carolinensis*) across a novel social context. Paper presented at Animal Behavior Society Conference, Snowbird, UT.
- Lucas, J. R., Freeberg, T. M., Krishnan, A., & Long, G. (2006, August). Seasonality in avian auditory processing. Paper presented at Animal Behavior Society Conference, Snowbird, UT.
- Owens, J. L. & Freeberg, T. M.** (2006, August). Structural and individual distinctiveness of notes in the 'chick-a-dee' call of tufted titmice, *Baeolophus bicolor*. Poster session presented at Animal Behavior Society Conference, Snowbird, UT.
- Freeberg, T. M. (2006, October). Social complexity as a communicative constraint: group size influences vocal complexity in Carolina chickadees. Paper presented at International Society for Developmental Psychobiology Conference, Atlanta, GA.
- Freeberg, T. M. (2007, July). Does social complexity correlate with call complexity in titmouse species? Paper presented at Animal Behavior Society Conference, Burlington, VT.
- Freeberg, T. M. (2008, August). Comparative studies of the chick-a-dee call of titmouse (*Baeolophus*) species. Paper presented at the 2nd International Conference on Acoustic Communication by Animals, Corvallis, OR.
- Mahurin, E.J., & Freeberg, T.M.** (2009, August). Chick-a-dee call variation in Carolina chickadees and recruiting flockmates to food. Paper presented at the American Ornithologists' Union meeting, Philadelphia, PA.
- Bartmess-LeVasseur, J., Branch, C.L., Browning, S.A., Owens, J.L., & Freeberg, T.M.** (2010, July). Predator stimuli and calling behaviour of Carolina chickadees (*Poecile carolinensis*), tufted titmice (*Baeolophus bicolor*), and white-breasted nuthatches (*Sitta carolinensis*). Poster presented at the Animal Behavior Society meeting, Williamsburg, VA.
- Branch, C.L., & Freeberg, T.M.** (2010, July). Social experience and behavioral development of male house sparrows (*Passer domesticus*). Poster presented at the Animal Behavior Society meeting, Williamsburg, VA.
- Freeberg, T.M., & **Branch, C.L.** (2010, July). From alarm to distress: fear and calling behavior in tufted titmice. Paper presented at the Animal Behavior Society meeting, Williamsburg, VA.
- Owens, J.L., O'Hatnick, A., Stec, C., & Freeberg, T.M.** (2010, July). Traffic noise and parid behavior: an experimental test. Poster presented at the Animal Behavior Society meeting, Williamsburg, VA.

- Branch, C.L.**, & Freeberg, T.M. (2011, July). Testing hypotheses on distress calling in tufted titmice: support for vocal protean defense. Poster presented at the joint meeting of the Animal Behavior Society and the International Ethological Conference, Bloomington, IN.
- Freeberg, T.M., Krams, I., & Kullberg, C. (2011, July). Social complexity and communicative complexity: a bird's eye view and symposium overview. Symposium talk presented at the joint meeting of the Animal Behavior Society and the International Ethological Conference, Bloomington, IN.
- Freeberg, T. M., Krams, I., Krama, T., **Vrublevska, J.**, & Kullberg, C. (2013, July). Tufted titmice calling in the face of threat. Paper presented at the Animal Behavior Society meeting, Boulder, CO.
- Book, D.**, & Freeberg, T. (2015, June). The head/body orientation of predator models and response to threat in tufted titmice. Paper presented at the Animal Behavior Society meeting, Anchorage, AK.
- Coppinger, B.**, **Sanchez de launay, A.**, & Freeberg, T. M. (2015, June). Individual chickadee behavior in familiar and unfamiliar flocks. Poster presented at the Animal Behavior Society meeting, Anchorage, AK.
- Freeberg, T. M., **Book, D.**, **Weiner, R.** (2015, June). Carolina chickadee behavioral responses to facial orientation of threatening stimuli. Paper presented at the Animal Behavior Society meeting, Anchorage, AK.
- Johnson, W.**, **Cantwell, L.**, & Freeberg, T. M. (2015, June). Songbird risk-sensitive foraging in the context of snake predator body orientation. Paper presented at the Animal Behavior Society meeting, Anchorage, AK.
- Kyle, S.**, & Freeberg, T. M. (2015, June). Risk-sensitive foraging and avian predator head and body orientation. Poster presented at the Animal Behavior Society meeting, Anchorage, AK.
- Freeberg, T. M., & Burghardt, G. M. (2016, Feb). On minimizing potential observer bias in ethological research. Paper presented at the Association for Practical and Professional Ethics meeting, Cincinnati, OH.
- Freeberg, T. M., **Eppert, S. K.****, Sieving, K. E., & Lucas, J. R. (2016, Nov). Diversity in mixed species groups improves problem solving in food finding in a wild songbird community. Poster presented at the Sigma Xi national meeting, Atlanta, GA.
- Davis, J. E.**, Sieving, K. E., Lucas, J. R., & Freeberg, T. M. (2016, Aug). Assessment of distance-from-source effects on spectral classification of bird calls in natural environments. Poster presented at the Animal Behavior Society meeting, Columbia, MO.
- Jung, H.**, Freeberg, T. M. (2016, Aug). Structural variation in the 'chick-a-dee' call of bridled titmice (*Baeolophus wollweberi*). Poster presented at the Animal Behavior Society meeting, Columbia, MO.
- Karippadath, A.**, Freeberg, T. M., Sieving, K. E., Lucas, J. R. (2016, Aug). Assessing the effect of season and habitat on complex call propagation and usage in two Parid species. Paper presented at the Animal Behavior Society meeting, Columbia, MO.
- Lucas, J. R., **Wigren, M.**, **Lancaster, N.**, **Mugel, S.**, Sieving, K. E., Freeberg, T. M. (2016, Aug). The dimensions of information flow in chickadees and titmice. Paper presented at the Animal Behavior Society meeting, Columbia, MO.
- Mugel, S. G.**, **Lancaster, N. D.**, **Wigren, M.**, **Karippadath, A.**, Freeberg, T. M., Sieving, K. E., Lucas, J. R. (2016, Aug). Linking social complexity and flock structure to vocal communication in chickadees and titmice. Paper presented at the Animal Behavior Society meeting, Columbia, MO.
- Coppinger, B.**, & Freeberg, T. M. (2017, June). Communicative complexity in flocks of familiar and unfamiliar Carolina chickadees (*Poecile carolinensis*). Paper presented at the Animal Behavior Society meeting, Toronto, Ontario, Canada.
- Freeberg, T. M., **Eppert, S. K.****, Sieving, K. E., & Lucas, J. R. (2017, Aug). Diversity in mixed species groups improves success in a novel feeder test in a wild songbird community. Poster presented at the Sigma Xi national meeting, Atlanta, GA.
- Jung, H.**, **Sherrod, A.****, **Lebreux, S.****, & Freeberg, T. M. (2017, June). Does anthropogenic noise affect anti-predator behavior in Carolina chickadees and tufted titmice? Poster presented at the Animal Behavior Society meeting, Toronto, Ontario, Canada.
- Coppinger, B.**, Sieving, K. E., Lucas, J.R., & Freeberg, T. M. (2018, Aug). Social variables impacting *chick-a-dee* calling in response to acoustic stimuli. Paper presented at the Animal Behavior Society meeting, Milwaukee, WI.

- Freeberg, T. M., **Eppert, S. K.****, Sieving, K. E., & Lucas, J. R. (2018, Aug). Diversity in mixed species groups improves success in a novel feeder test in a wild songbird community. Paper presented at the Animal Behavior Society meeting, Milwaukee, WI.
- Gentry, K. E., Lucas, J. R., Sieving, K. E., & Freeberg, T. M. (2018, Aug). Communication is fundamental to arguments about the evolution of social cognition. Paper presented at the Animal Behavior Society meeting, Milwaukee, WI.
- Pepper, H.****, **Coppinger, B.**, Freeberg, T. M., Sieving, K. E., & Lucas, J. R. (2018, Aug). Calling and agonistic behavior in mixed-species flocks. Poster presented at the Animal Behavior Society meeting, Milwaukee, WI.
- Coppinger, B.**, Kania, S., Lucas, J. R., Sieving, K. E., & Freeberg, T. M. (2019, July). Risk-associated audience effects in heterospecific flocks of chickadees and titmice. Talk presented at the Animal Behavior Society meeting, Chicago, IL.
- Freeberg, T. M., & **Akhter, A.**** (2019, July). Benefits of groups to optimal shelter choice in cockroaches. Talk presented at the Animal Behavior Society meeting, Chicago, IL.
- Jung, H.**, **Sherrod, A.****, & Freeberg, T. M. (2019, July). Anthropogenic noise and responses to avian predator calls in chickadees, titmice, and nuthatches. Talk presented at the Animal Behavior Society meeting, Chicago, IL.
- Montgomery, A.****, **Coppinger, B.**, Sieving, K.E., Lucas, J. R., & Freeberg, T. M. (2019, July). An experimental test of mixed-species flock audience effects on chickadee calling behavior. Poster presented at the Animal Behavior Society meeting, Chicago, IL.
- Pepper, H.****, **Coppinger, B.**, Sieving, K. E., & Lucas, J. R., & Freeberg, T. M. (2019, July). Calling and other social behavior in mixed-species flocks. Poster presented at the Animal Behavior Society meeting, Chicago, IL.
- Freeberg, T. M. (2022, July). Mixed-species flock variation and novel feeder tasks: experimental tests with chickadees and titmice. Talk presented at the Animal Behavior Society meeting, San Jose, Costa Rica.

INVITED RESEARCH PRESENTATIONS

- Dec 2001. Physiology and Behavior group, University of California-Davis, Davis, CA.
- Feb 2003. Animal Behavior Program, University of California-Davis, Davis, CA.
- Mar 2005. Psychology Department & Institute for Behavioral Research, University of Georgia, Athens, GA.
- Jun 2006. Ethology Research Group, Kyoto University, Kyoto, Japan.
- Apr 2008. Graduate Workshop in Cognition and Development, Emory University, Atlanta, GA.
- May 2008. Department of Zoology, University of Stockholm, Stockholm, Sweden.
- May 2008. Department of Psychology, University of Umeå, Umeå, Sweden.
- Oct 2008. Department of Biology, University of North Carolina – Greensboro, Greensboro, NC.
- Mar 2009. Institute of Systematic Biology at Daugavpils University, Daugavpils, Latvia.
- Mar 2012. Department of Evolutionary Ecology, Tartu University, Tartu, Estonia.
- Mar 2012. Department of Biology, University of Latvia, Rīga, Latvia.
- Nov 2012. Plenary talk at 19th Annual ‘Blodbad 2012’ conference at Tovetorp Forskningsstation, University of Stockholm, Sweden.
- Jul 2013. Talk in workshop on ‘Animal Syntax’ at University of Zurich, Switzerland.
- Sep 2013. Department of Biological Sciences, University of Memphis, Memphis, TN.
- Sep 2013. Department of Biology, Western Carolina University, Cullowhee, NC.
- May 2014. Program of Ethology, University of Rennes, France.
- Nov 2015. Department of Wildlife Ecology & Conservation, University of Florida, Gainesville, FL.
- Oct 2016. Department of Biological Sciences, Ecology Group, Purdue University, West Lafayette, IN.
- Oct 2017. Department of Integrative Biology, Michigan State University, East Lansing, MI.
- Dec 2017. Department of Animal Biology, University of Illinois, Champaign-Urbana, IL.
- May 2020. [Virtual] School of Biological, Earth, & Environmental Sciences, University of New South Wales, Australia.

- Nov 2020. [Virtual] Laboratoire d’Ethologie Expérimentale et Comparée, Université Sorbonne Paris Nord, France.
Mar 2021. [Virtual] Psychology Department, Bilkent University – Ankara, Turkey

INVITED PRESENTATIONS TO GENERAL PUBLIC

- 2003, September. Social organization and vocal complexity: lessons from the chickadees. University Studies Centripetals – Interdisciplinary Presentations and Discussions, University of Tennessee, Knoxville, Tennessee.
- 2004, October. Social organization and vocal complexity: lessons from the chickadees. Tennessee Bluebird Trails Fall Conference, Ijams Nature Center, Knoxville, Tennessee.
- 2005, April. Social organization and vocal complexity: lessons from the chickadees. Ijams Nature Center Members Only Lecture, Ijams Nature Center, Knoxville, Tennessee.
- 2007, September. How social groups affect communication. The Philosophical Society of the Oak Ridge Institute for Continued Learning, Oak Ridge, Tennessee.
- 2012, December. Chickadee’s message: chick-a-dee call structural and functional complexity. The Philosophical Society of the Oak Ridge Institute for Continued Learning, Oak Ridge, Tennessee.
- 2013, February. Lamarck revisited: the 200th anniversary of the Zoological Philosophy. The Philosophical Society of the Oak Ridge Institute for Continued Learning, Oak Ridge, Tennessee.
- 2015, March. Why is the chick-a-dee call of parids so complex? Knoxville chapter of the Tennessee Ornithological Society, Knoxville, Tennessee.
- 2017, January. Animal behavior and communication. Nova Science Café at Knoxville Zoo.
- 2017, March. Do even the birds and bees benefit from diversity? Tennessee Science Forum.
<http://scienceforum.utk.edu/2017-ut-science-forum-videos/>
- 2017, April. Animal behavior and communication. Nova Science Café at Ijams Nature Center.
- 2017, April. Do even the birds and bees benefit from diversity? The Philosophical Society of the Oak Ridge Institute for Continued Learning, Oak Ridge, Tennessee.
- 2017, June. Discussion of “Beyond Words: What Animals Think and Feel”. Discussion of animal behavior research at “Books Sandwiched In” by Knox County Public Library and East Tennessee Historical Society.
- 2018, March. Why do chickadees have such complex calls? University of Tennessee Science Forum.
- 2018, March. Brown-headed cowbird parasitism and behavior. Nova Science Café at Ijams Nature Center.
- 2019, April. Cockroach behavior. Nova Science Café at Ijams Nature Center.
- 2019, November. The social psychology of cockroaches. University of Tennessee Science Forum.
- 2020, March. The social psychology of songbirds: social context and chickadee behavior. Knoxville chapter of the Tennessee Ornithological Society, Knoxville, Tennessee.
- 2023, October. Songbird sensitivity to social situations. Knoxville chapter of the Tennessee Ornithological Society, Knoxville, Tennessee.

AD HOC REVIEWER FOR PROFESSIONAL JOURNALS

Acta Ethologica
Advances in the Study of Behavior
American Midland Naturalist
American Naturalist
Animal Behavior & Cognition
Animal Behaviour
Animal Cognition
Animals: Human-Animal Interactions, Animal Behaviour and Emotion
Applied Animal Behaviour Science
The Auk
The Auk: Ornithological Advances
Austral Ecology
Behavioral Ecology
Behavioral Ecology & Sociobiology
Behaviour
Behavioural Brain Research
Behavioural Processes
Bioacoustics
Biological Invasions
Biological Journal of the Linnean Society
Biology Letters
Bird Behavior
BMC Biology
Brain, Behavior, and Evolution
Canadian Journal of Zoology
Comparative Cognition & Behavior Reviews
The Condor
Current Directions in Psychological Science
Current Zoology
Developmental Neurobiology
Developmental Psychobiology
Ecological Research
Ecology & Evolution
eLife
Ethology
Ethology, Ecology, & Evolution
Evolution
Evolutionary Psychological Science
Frontiers in Ecology and Evolution
Frontiers in Psychology (Comparative Psychology)
Frontiers in Zoology
Herpetologica
The Ibis
Institute for Laboratory Animal Research Journal
Integrative and Comparative Biology
Interaction Studies
International Journal of Biodiversity and Conservation
International Journal of Comparative Psychology
International Journal of Primatology
Journal of the Acoustical Society of America
Journal of Avian Biology
Journal of Comparative Psychology
Journal of Ethology
Journal of Experimental Biology
Journal of Experimental Psychology: Animal Learning and Cognition
Journal of Field Ornithology
Journal of Ornithology
Journal of Theoretical Biology
Naturwissenschaften
Neuroscience and Biobehavioral Reviews
PeerJ
Philosophical Transactions of the Royal Society, B
Physiology & Behavior
PLoS ONE
Proceedings of the Royal Society London, B
Quarterly Journal of Experimental Psychology
Quarterly Review of Experimental Psychology
The Raven
Royal Society Open Science
SAGE: Open Medicine
Science
Scientific Reports
SpringerPlus
Studies on Neotropical Fauna and Environment
Trends in Ecology & Evolution
Trends in Neuroscience
Wilson Journal of Ornithology
Urban Ecosystems
Zoology

GRANT REVIEWER

- 2003, 2005 Ad hoc reviewer, *Israel Science Foundation (ISF) and the National Science Foundation*
- 2006 – present Ad hoc reviewer, *National Science Foundation*
- 2008 Ad hoc reviewer, *Graduate Women in Science Research Grants*
- 2011 Ad hoc reviewer, *Canada Foundation for Innovation / Fondation canadienne pour l'innovation*
- 2011 Grant Review Panelist, *National Science Foundation*, Behavior Systems Cluster (IOB)
- 2013 Ad hoc reviewer, *Hungarian Scientific Research Fund (OTKA)*
Ad hoc reviewer, *Swiss National Science Foundation*
- 2014 Ad hoc reviewer, *The Leakey Foundation*
Ad hoc reviewer, *National Geographic Society*
- 2015 Ad hoc reviewer, *Swiss National Science Foundation*
- 2016 Grant Review Panelist, Doctoral Dissertation Improvement Grant Program, *National Science Foundation*, Animal Behavior (IOB)
- 2017 Fellowship Review Panelist, Graduate Research Fellowship Program, *National Science Foundation*, Psychology
Ad hoc reviewer, *Netherlands Organisation for Scientific Research, Dutch Research Council*
- 2018 Ad hoc reviewer, *Graduate Women in Science* fellowship
- 2019 Ad hoc reviewer, *ACA (Canada) Grants in Biodiversity*
Ad hoc reviewer, *NSERC (Canada)*
Ad hoc reviewer, *Swiss National Science Foundation*
- 2021 Ad hoc reviewer, *ACA (Canada) Grants in Biodiversity*
Ad hoc reviewer, *NSERC (Canada)*
Ad hoc reviewer, *National Science Foundation*
Ad hoc reviewer, *Banting Postdoctoral Fellowship*
- 2022 Ad hoc reviewer, *Animal Behavior Society* Student research award grant proposals

EDITORIAL SERVICE

- 2006 – 2016 Consulting Editor, *Journal of Comparative Psychology*
- 2007 – 2008 Guest Co-Editor, special issue of *Journal of Comparative Psychology*: “Acoustic Interaction in Animal Groups: Signaling in Noisy and Social Contexts”
- 2010 – 2011 Guest Co-Editor, theme issue of *Philosophical Transactions of the Royal Society – B*: “The Social Network and Communicative Complexity in Animals”
- 2017 – 2020 Editor, *Animal Behaviour*

2017 – 2023	Associate Editor, <i>Journal of Comparative Psychology</i>
2020 – 2022	Co-Editor of the <i>Routledge International Handbook of Comparative Psychology</i>
2022 – 2023	Guest Co-Editor, theme issue of <i>Philosophical Transactions of the Royal Society – B</i> : “Mixed-Species Groups and Aggregations: Shaping Ecological and Behavioural Patterns and Processes”
2022 – present	Specialty Section Editor, <i>Frontiers in Ethology – Social Behavior and Communication</i>
2023 – present	Guest Editor, theme issue of <i>Philosophical Transactions of the Royal Society – B</i> : “The Power of Sounds: Unravelling How Acoustic Communication Shapes Group Dynamics”

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Acoustical Society of America
American Association for the Advancement of Science
American Ornithologists’ Union
American Psychological Association
Animal Behavior Society
Association for Psychological Science
Cooper Ornithological Society
Scientists Center for Animal Welfare
Sigma Xi
Society for the Advancement of Chicanos/Hispanics & Native Americans in Science

OTHER PROFESSIONAL SERVICE

2001 – 2004; 2009 – 2014	Member: Animal Behavior Society Animal Care Committee.
1998 – 2003; 2006 – 2010	Member: Animal Behavior Society Film Committee.
2002	Judge: Allee Dissertation Award at Animal Behavior Society Meeting.
2002 – 2004	Leader: Research Ethics Component of intern training for the NSF-funded summer R.E.U. program in Animal Behavior at Indiana University
2003, 2009	Judge: Animal Behavior Society Graduate Student Research Award
2003 – 2006	Chair: Animal Behavior Society Film Committee.
2004 – 2009	Chair: Animal Behavior Society Animal Care Committee.
2018	Judge: Genesis Award Posters at Animal Behavior Society Meeting.

DOCTORAL DISSERTATIONS CHAIRED

Ellen Harvey Williams, Psychology. *Behavioral profiles within a complex social environment: Testing for behavioral consistency and personality-like traits in chickadees (Poecile carolinensis)*. August 2009.

Jessica Owens, Psychology. *Effects of traffic noise on the social behavior of tufted titmice (Baeolophus bicolor)*. December 2012.

Sheri Browning, Psychology. *Mixed-species flock members' responses to predator and novel stimuli*. May 2015.

David Book, Psychology. *Investigations into the chickadee ethos*. August 2017.

Hwayoung Jung, Psychology. *Graded variation in D notes of Carolina chickadees: do signalers vary acoustic fine structure with context and do receivers respond to that variation?* May 2021.

Brittany Coppinger, Psychology. *Social context influences on behavior of Carolina chickadees*. May 2021.

Steven Kyle, Psychology. *Reliance on predator cues to assess risk by Carolina chickadees and tufted titmice*. December 2021.

MASTERS THESES CHAIRED

Ellen J. Mahurin, Psychology. *Feeding behavior and chick-a-dee calls in the presence of predator models: a field study of Carolina chickadees (Poecile carolinensis)*. August 2006.

Ami E. Padgett, Psychology. *Structure and function of vocalizations of captive red-legged seriemas (Cariama cristata): A cross institutional study*. May 2010.

Christopher E. Zachau, Psychology. *Alarm calling in the context of flying predator stimuli: A field study of Carolina chickadees (Poecile carolinensis)*. May 2011.

DOCTORAL DISSERTATION COMMITTEE MEMBER

2003 – 2005	Rita Mehta, Psychology
2005 – 2009	Ellen Harvey Williams, Psychology (Chair)
2005 – 2009	Karen Davis, Psychology
2005 – 2009	Kerry Hansknecht, Ecology & Evolutionary Biology
2006 – 2009	Lisa McDonald, Ecology & Evolutionary Biology
2007 – 2010	Jonathan Pruitt, Ecology & Evolutionary Biology
2007 – 2011	Audra Galasso, Ecology & Evolutionary Biology
2007 – 2011	Ethan Boves, Forestry Wildlife & Fisheries
2007 – 2012	Kathleen Morrison, Psychology
2006 – 2013	Jessica Owens, Psychology (Chair)
2009 – 2015	Sheri Browning, Psychology (Chair)
2011 – 2015	Riley Bernard, Ecology and Evolutionary Biology
2011 – 2016	Lisa Cantwell, Ecology and Evolutionary Biology
2011 – 2016	Catie Clinard, Psychology
2011 – 2017	David Book, Psychology (Chair)
2013 – 2017	Jennifer Bosco, Ecology & Evolutionary Biology
2012 – 2017	Stephen Ferguson, Biology (<i>University of Memphis</i>)
2014 – 2017	Emily Hockman, Forestry Wildlife & Fisheries

2015 – 2020	Jordan Bush, Ecology & Evolutionary Biology
2016 – 2018	Andres Garcia-Penagos, Psychology
2016 – 2019	Angela Chuang, Ecology & Evolutionary Biology
2017 – 2019	Sara Lipshutz, Ecology & Evolutionary Biology
2016 – 2020	Hwayoung Jung, Psychology (Chair)
2016 – 2020	Domonique Hatton, Ecology & Evolutionary Biology
2014 – 2021	Brittany Coppinger, Psychology (Chair)
2017 – 2021	Casey Coomes, Ecology & Evolutionary Biology
2013 – 2021	Steven Kyle, Psychology (Chair)
2017 – 2022	Margaret Mamantov, Ecology & Evolutionary Biology
2017 – present	Jessica Dreyer, Ecology & Evolutionary Biology
2018 – present	Scott Benson, Psychology (Chair)
2018 – present	Jeff Kelly, Psychology
2019 – present	Jacob Dein, Geography
2020 – present	Heather Brooks, Psychology (Chair)
2020 – present	Marcia Chavez, Psychology
2021 – present	S. Ryan Risner, Psychology (Chair)
2022 – present	Po-An Chen, Biology (<i>University of Florida</i>)
2022 – present	Tara Empson, Ecology & Evolutionary Biology
2022 – present	Eric Frazier, Psychology (Chair)
2023 – present	Zaharia Selman, Psychology (Chair)

MASTERS THESES COMMITTEE MEMBER

2003 – 2006	Ellen Mahurin, Psychology (Chair)
2003 – 2005	Lauren Kirby, Psychology
2004 – 2007	Aric Gerke, Psychology
2006 – 2010	Ami Padget, Psychology (Chair)
2009 – 2011	Marquinta Lee, Psychology
2009 – 2011	Christopher Zachau, Psychology (Chair)
2010 – 2013	Lauren Bader, Psychology
2010 – 2016	Courtney Stec (Chair; not completed)
2018 – 2019	Katheryn Burford, Psychology
2021 – present	Harry Pepper, Psychology (Chair)
2022 – present	Ruth Simberloff, Ecology & Evolutionary Biology

EXTERNAL REFEREE OF PhD

2019	Amelia Wein in Comparative Cognition, University of Veterinary Medicine, Vienna, Austria
2019	Jenna Congdon in Psychology, University of Alberta, Edmonton, Canada
2021	Jarrod Mesken in Environmental and Rural Science, University of New England, Armidale, Australia
2023	Simeon Smeele in Biology, University of Konstanz, Germany

GRADUATE AND UNDERGRADUATE TEACHING

2002 – present	Undergraduate Supervised Research, Psych 489
2002 – 2013	Motivation, Psych 320
2003 – 2011	Learning and Thinking, Psych 310
Fall 2003	Topics in Psychology: Animal Communication, Psych 510
Fall 2004	Topics in Psychology: Animal Cognition, Psych 510
Spring 2005	Topics in Psychology: Animal Communication, Psych 482
2007 – present	Comparative Animal Behavior Laboratory, Psych 459 and EEB 459
Fall 2007	First Year Studies: Evolution and Human Behavior, FYS 129
Spring 2008	Seminar on Methods of Naturalistic Research, Psych 623
2008 – 2015	First Year Studies: Ethics and Animal Research, FYS 129 fall semesters
2009 – 2011	First Year Studies: Monty Python Psychology, FYS 129 spring semesters
Spring 2009	Senior Seminar: Great Ideas in Psychology (Animal Cognition), Psych 496
Spring 2011	Topics in Psychology: Nonparametric Statistics, Psych 510
Spring 2012	English Language for Biologists, Daugavpils University, Latvia
2014 – 2015	University Honors 101: How We Think, UNHO 101
2012 – 2022	Animal Communication, Psych 454 and EEB 454
2013 – present	Responsible Conduct of Research in Behavioral Sciences, Psych 660
2014 – present	Animal Communication and Human Language, Psych 601 <i>Seminar co-taught with Dr. Jessica Hay</i>
2016 – present	Comparative Animal Behavior Lecture, Psych 450 and EEB 450
Fall 2016	First Year Studies: How We Think, FYS 129
Spring 2017	First Year Studies: Better By Science? FYS 129 Spring Semester
Fall 2017	University Honors 101: Better By Science? UNHO 101
Fall 2017 – 2023	First Year Studies: Always Be Skeptical, FYS 129
Spring 2018	First Generation Student Development, Psych 493
Fall 2019	First Year Studies: Bunk & Fake News, FYS 129
2020 – 2024	Motivation, Psych 320 – mini-session online course
Fall 2023	Special Topics in Animal Behavior, EEB 609
2023 – present	Evolutionary Psychology & Ethology, Psych 370 and EEB 370.

SERVICE TO DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF TENNESSEE

2002 – 2004 Committee to Revise the Departmental Webpage
2002 – 2005 Graduate Admissions Committee for Experimental Psychology Program
2005 – 2006 Member of Behavioral Neuroscience Search Committee
Departmental Animal Care & Use Committee
2006 Member of Diversity Plan Committee
2005 – 2011 Departmental Animal Care & Use Committee
2006 – 2008 Executive Committee
2006 – 2011 Departmental Safety Officer
2011 – 2016 Director of Experimental Psychology Program
2012 – 2016 Member of Diversity Council
2013 – 2016 Co-Chair of Diversity Council
2015 – 2017 Member of Faculty Evaluation Committee
2019 – 2020 Member of Bylaws Revisions Committee
2011 – present Executive Committee
2014 – present Associate Head
2018 – present Member of Diversity Council
2023 – present Co-Chair of Diversity Council

SERVICE TO UNIVERSITY OF TENNESSEE

2005 – 2011 Member of the U.T. Institutional Animal Care and Use Committee
2008 – 2011 Member of the College of Arts & Sciences Curriculum Committee
2010 – 2013 Member of the Faculty Senate
2009 – 2014 Member of the College of Arts & Sciences Natural Sciences Curriculum Committee
2013 – 2015 Vice-President of UT-Knoxville chapter of Sigma Xi
2014 – 2018 Member of the College of Arts and Sciences Diversity Committee
2015 – 2016 President of UT chapter of Sigma Xi
2016 – 2019 Treasurer of UT chapter of Sigma Xi
2017 – 2020 Member of the Faculty Senate
2018 – 2020 UT Representative to Tennessee Universities Faculty Senates (TUFS)
2019 – 2021 Secretary of UT chapter of American Association of University Professors
2021 – 2022 Vice-President of UT chapter of American Association of University Professors
2021 – 2023 Member of Chancellor’s Commission on Disability
2022 – 2023 Member of College of Arts & Sciences Search Committee for Associate Dean of
Academic Programs
2022 – 2023 President of UT chapter of American Association of University Professors

SERVICE TO BROADER COMMUNITY

- 2006 – 2015 Volunteer at Laurel Theatre / Jubilee Community Arts
- 2007 Research Mentor for three high school students in the University's Summer Upward Bound Program: Math and Science Regional Center.
- 2017 Teaching Assistant for June 2017 Kids U middle-school Animal Behavior Camp at UTK (led by Domonique Hatton, EEB graduate student)
Teaching Assistant for June 2017 Camp Invention grade-school STEM Camp at Shannondale Elementary (led by April Lamb, Shannondale teacher)
- 2021 – present Hands-on Science Session Leader for YO-STEM (Youth Outreach for STEM) at Pellissippi State Community College: Nov 2021, Aug 2022, June 2023 = cockroach behavioral observation studies with ~ 20 mostly African-American grade-schoolers
- 2023 Hands-on Science Session Leader for STEAM Sprouts at The Muse: March 2023 = cockroach behavioral observation studies with ~ 10 pre- and grade-schoolers

REFERENCES [RESEARCH – SEE SEPARATE PAGE FOR LEADERSHIP REFERENCES]

Dr. Meredith J. West (dissertation mentor)
Departments of Psychology and Biology
Indiana University
Bloomington, IN 47405
Phone: 812-855-9597 *Email:* mewest@indiana.edu

Dr. Jeffrey R. Lucas (postdoctoral mentor)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907
Phone: 765-494-8112 *Email:* jlucas@purdue.edu

Dr. Gordon Burghardt (faculty mentor)
Department of Psychology
Austin Peay Building 310A
University of Tennessee
Knoxville, TN 37996
Phone: 865-974-3300 *Email:* gburghar@utk.edu

Dr. Indriķis Krams
Institute of Systematic Biology
Daugavpils University
LV-5401 Daugavpils
Latvia *Email:* indrikis.krams@biology.lv

Dr. Kathryn Sieving
Department of Wildlife Ecology & Conservation
University of Florida
Gainesville, FL 32611
Phone: 352-219-8993 *Email:* chucao@ufl.edu