

Curriculum Vitae
Megan D. Gall, Ph.D.

Contact Information:

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 Vassar College
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Educational Background:

2008-2012 Ph.D., Department of Biological Sciences, Purdue University
 Advisor: Dr. Jeffrey R. Lucas

2006-2008 M.S., Biology, California State University Long Beach
 Advisor: Dr. Esteban Fernández-Juricic

2001-2005 B.A., Biology, Pomona College

Professional Appointments:

2023-2026 Director of Neuroscience and Behavior Program, Vassar College

2025-Present Professor, Department of Biology, Vassar College

2020-2025 Associate Professor, Department of Biology, Vassar College

2013-2020 Assistant Professor, Department of Biology, Vassar College

2012-2013 Post-doctoral Researcher
 Neuroscience Institute, Georgia State University
 P.I.: Dr. Walter Wilczynski

2012 Post-doctoral Researcher
 Department of Biological Sciences, Purdue University
 P.I.: Dr. Jeffrey R. Lucas

Courses Taught:

2020-2025 (Post-tenure, Associate Professor)
Energy Flow in Biological Systems (Biol 107)
Introduction to Neuroscience and Behavior (Neur 105)

Animal Physiology (Biol 228)
Research Methods in Physiological Psychology (Neur 249)
Sensory Ecology (Biol 375)
Neuroscience and Behavior Seminar (Neur 301)
Biology in Board Games (Biol 393, Intensive Course)
Independent Research (Biol 298, 395, 399, 303; Neur 395, Intensives)
Conversations with Scientists (Biol 393, Intensive Course)

2013-2020 (Pre-tenure)

The Singing Life of Birds (Biology 105)
Introduction to Biological Investigation (Biology 106)
Animal Physiology (Biology 228)
Sensory Ecology (Biology 375)
Animal Communication (Biology 382)
Neuroscience and Behavior Seminar (Neuro 301)
Biology in Board Games (Biology 393, Intensive Course)
Independent Research (Biology 298, 399, 303)

Book Chapters:

Henry, K.S., **Gall, M.D.**, Velez, A., and Lucas, J.R. 2017. Avian auditory processing at four different scales: variation among species, seasons, sexes and individuals. In: Psychological Mechanisms in Animal Communication (M.A. Bee and C.T. Miller, Eds). Spring Handbook of Animal Signals and Communication. Springer-Verlag, New York.

Work in progress (papers in revision or submitted)

(† authors made equal contributions, *undergraduate author)

1. *Desai, A., *Nowacki, J.C., Proudfoot, G.A., and **Gall, M.D.** Submitted. Masked thresholds and critical ratios of Northern Saw-whet Owls (*Aegolius acadicus*).

Journal Publications:

(† authors made equal contributions, *undergraduate author)

2025-Present (Post-tenure, Full Professor)

1. *Chou, T.L. and **Gall, M.D.** 2025. I can't hear you: Effects of noise on auditory processing in mixed-species songbird flocks. Journal of Experimental Biology 228: jeb250033. <https://doi.org/10.1242/jeb.250033>
[\[Spotlight on early career scientist, Trina Chou\]](#)
2. *Subramanian, R., *Bauman, A., *Carpenter, O., *Cho, C., *Coste, G., *Dam, A., *Drake, K., *Ehnstrom, S., *Fitzgerald, N., *Jenkins, A., *Koolpe, H., *Liu, R., *Paserman, T., *Petersen, D., *Chavez, D.S., *Rosental, S., *Thompson, H., *Tsukuda, T., *Zweig, S., **Gall, M.D.**, Zupan, B., and Bergstrom, H. 2025. An infralimbic cortex neuronal ensemble encoded during learning attenuates fear generalization expression.

Journal of Neuroscience 45: e2120242025.
<https://doi.org/10.1523/JNEUROSCI.2120-24.2025>

3. Addis, E.A., Bauer, C.M., Belanger, R.M., Butler, M.W., Collar, D.C., **Gall, M.D.**, Gangloff, E.J., Johnson, M.A., Lynn, S.A., Monroy, J.A., Paig-Tran, E.M., Pask, G.M., Stahlschmidt, Z.R., Staub, N.L., Thompson, J.T., and Husak, J.F. In Press. Impactful research at primarily undergraduate institutions. Integrative and Comparative Biology. [Commentary]. <https://doi.org/10.1093/icb/icaf101>

2020-2025 (Post-tenure, Associate Professor)

4. Rodriguez-Santiago, M., Ruppert, A., **Gall, M.D.**, Hoke, K., Bee, M.A., and Baugh, A.T. 2024. In your CORT: corticosterone and its receptors in the brain underlie mate choosiness in female Cope's gray treefrogs (*Hyla chrysoscelis*). Hormones and Behavior 159: 105447. <https://doi.org/10.1016/j.yhbeh.2024.105477>
5. *Fossesca, M., Henry, K.S., *Chou, T.L., and **Gall, M.D.** 2023. The silent assumption of the masking hypothesis: avian auditory processing and implications for behavioral responses to noise. Frontiers in Ecology and Evolution. <https://doi.org/10.3389/fevo.2023.1233911>
6. *Boycott, T.J., *Sherrard, M., **Gall, M.D.**, Ronald, K.R. 2023. Deer management influences perception of avian plumage in temperate deciduous forests. Vision Research 213: 108312. <https://doi.org/10.1016/j.visres.2023.108312>.
7. *Chou, T., *Krishna, A., *Fosessca, M., *Desai, A. *Goldberg, *J., Jones, S. *Stephens, M., Basile, B., and **Gall, M.D.** 2023. Mixed support for the effects of masking and distraction on anti-predator behavior in suburban anthropogenic noise. PLoS ONE 18(8): e0290330. <https://doi.org/10.1371/journal.pone.0290330>
8. *LaRocco, E.P., Proudfoot, G.A., and **Gall, M.D.** 2022. Effects of frequency on the directional auditory sensitivity of Northern saw-whet owls (*Aegolius acadicus*). Brain, Behavior and Evolution 97:129-139. <https://doi.org/10.1159/000519893>
9. **Gall, M.D.**, Baugh, A.T., Bee, M.A., and Lucas, J.R. 2021. Social communication across reproductive boundaries: hormones and the auditory periphery of songbirds and frogs. Integrative and Comparative Biology 61: 292-301. <https://doi.org/10.1093/icb/icab075>
10. Baugh, A.T., **Gall, M.D.**, *Silver, S.C., and Bee, M.A. 2021. Moderately elevated glucocorticoids increase mate choosiness but do not affect sexual proceptivity or preferences in female gray treefrogs. Hormones and Behavior 130: 104950. <https://doi.org/10.1016/j.yhbeh.2021.104950>

11. *de Koning, M., *Beatini, J.R., Proudfoot, G.A., and **Gall, M.D.** 2020. Hearing in 3D: directional auditory sensitivity of Northern saw-whet owls (*Aegolius acadicus*). Integrative and Comparative Biology. <https://doi.org/10.1093/icb/icaa024>

2013-2020 (Pre-tenure)

12. Baugh, A.T.†, Bee, M.A., and **Gall, M.D.†**. 2019. The paradox of hearing at the lek: auditory sensitivity increases after breeding in female gray treefrogs (*Hyla chrysoscelis*). The Journal of Comparative Physiology A: 205:629–639.
13. *Beatini J.R., Proudfoot, G.A., and **Gall, M.D.** 2019. Effects of presentation rate and onset time on auditory brainstem responses in Northern saw-whet owls (*Aegolius acadicus*). Journal of the Acoustical Society of America. 145: 2062-2071.
14. **Gall, M.D.** †, Bee, M.A., and Baugh, A.T.† 2019. The difference a day makes: breeding remodels hearing, hormones and behavior in female Cope’s gray treefrogs (*Hyla chrysoscelis*). Hormones and Behavior 108: 62-72
15. *Boycott, T.B., *Gao, J., and **Gall, M.D.** 2019. Deer browsing alters sound propagation in temperate deciduous forests. PLoS One 14: e0211569.
[\[Featured on NPR’s Weekend Edition\]](#)
[\[Featured on CBC and PRI’s As It Happens \(interview starts around the 39-minute mark\)\]](#)
[\[Featured on Scientific American’s 60-second Science\]](#)
[\[Featured in The Scientist\]](#)
16. *Beatini, J.R., Proudfoot, G.A., and **Gall, M.D.** 2018. Frequency sensitivity in Northern saw-whet owls (*Aegolius acadicus*). Journal of Comparative Physiology A 204: 145-154. <https://doi.org/10.1007/s00359-017-1216-2>.
17. *Damsky, J.D. and **Gall, M.D.** 2017. Anthropogenic noise reduces approach of Black-capped Chickadees and Tufted Titmice to Tufted Titmouse mobbing calls. The Condor 119: 26-33.
18. **Gall, M.D.** and Wilczynski, W. 2016. The effects of call-like masking diminish after nightly exposure to conspecific choruses in green treefrogs (*Hyla cinerea*). Journal of Experimental Biology 219: 1295-1302.
19. *Wong, A. and **Gall, M.D.** 2015. Frequency sensitivity in the auditory periphery of male and female black-capped chickadees (*Poecile atricapillus*). Zoology 118: 357-363.
20. **Gall, M.D.** and Wilczynski, W. 2015. Prior experience with conspecific signals alters peripheral frequency sensitivity. Proceedings of the Royal Society B, 282: 20150749. (Featured in the magazine: *Natural History*).

21. Velez, A., **Gall, M.D.**, and Lucas, J.R. 2015. Seasonal plasticity in auditory processing of the envelope and temporal fine structure of sounds in three songbirds. *Animal Behaviour*, 103: 53-63.
22. Velez, A., **Gall, M.D.**, *Fu, J., and Lucas, J.R. 2015. Song structure, not high-frequency song content, determines high-frequency auditory sensitivity in nine species of New World sparrows (Passeriformes: Emberizidae). *Functional Ecology*, 29:487-497. DOI: 10.1111/1365-2435.12352
23. **Gall, M.D.** and Wilczynski, W. 2014. Prior experience with conspecific signals enhances auditory midbrain responsiveness to conspecific vocalizations. *Journal of Experimental Biology* 217: 1977-1982. (Selected by the editor for "Inside JEB").

Prior to 2013 (Graduate and Post-doctoral)

24. **Gall, M.D.**, Salameh, T.S. and Lucas, J.R. 2013. Songbird frequency selectivity and temporal resolution vary with sex and season. *Proceedings of the Royal Society B* 20122296
25. **Gall, M.D.**, *Hough, L., and Fernández-Juricic, E. 2013. Age-related habitat preference and foraging behavior in the black phoebe (*Sayornis nigricans*). *Southwestern Naturalist* 58: 41-49.
26. **Gall, M.D.**, *Bestrom, E., Ronald, K.L., and Lucas, J.R. 2012. Effects of habitat and urbanization on the active space of brown-headed cowbird song. *Journal of the Acoustical Society of America* 132: 4053-4062.
27. **Gall, M.D.**, Brierley, L.B., and Lucas, J.R. 2012. The sender-receiver matching hypothesis: support from the peripheral coding of acoustic features in songbirds. *Journal of Experimental Biology* 215: 3742-3751.
28. **Gall, M.D.**, Henry, K.S., and Lucas, J.R. 2012. Two measures of temporal resolution in brown-headed cowbirds (*Molothrus ater*). *Journal of Comparative Physiology A* 198: 61-68.
29. **Gall, M.D.**, Brierley, L.B., and Lucas, J.R. 2011. Species and sex effects on auditory processing in brown-headed cowbirds and red-winged blackbirds. *Animal Behaviour* 81: 973-982.
30. Henry, K.S., **Gall, M.D.**, Bidelman, G., and Lucas, J.R. 2011. Songbirds trade off auditory frequency resolution and temporal resolution. *Journal of Comparative Physiology A* 197: 351-359.
31. Fernández-Juricic, E.J., **Gall, M.D.**, Dolan, T., O'Rourke, C., *Thomas, S., and *Lynch, J.R. 2011. Visual systems and vigilance behavior of two ground foraging avian prey

- species: white-crowned sparrows and California towhees. *Animal Behaviour* 81: 705-713.
32. Wang, Y., *Mijares, M., **Gall, M.D.**, Turan T., Javier, A., Bornemann, D.J., Mange, K. and Warrior, R. 2010. *Drosophila* variable nurse cells encodes Arrest defective 1 (Ard1), the catalytic subunit of the major N-terminal acetyltransferase complex. *Developmental Dynamics* 239: 2813-2827.
 33. **Gall, M.D.** and Lucas, J.R. 2010. Sex differences in auditory filters of brown-headed cowbirds (*Molothrus ater*). *Journal of Comparative Physiology A* 196: 559-567.
 34. **Gall, M.D.** and Fernández-Juricic, E. 2010. Visual fields, eye movements, and scanning behavior of a sit-and-wait predator, the black phoebe (*Sayornis nigricans*). *Journal of Comparative Physiology A* 196: 15-22.
 35. **Gall, M.D.** and Fernández-Juricic, E. 2009. Visual and physical prey availability alters perch selection and search effort in a sit-and-wait predator, the Black Phoebe (*Sayornis nigricans*). *Condor* 111: 150-158.
 36. Fernández-Juricic, E.J., **Gall, M.D.**, Dolan, T., Tisdale, V., and Martin, G.R. 2008. The visual fields of two ground foragers, House Finches and House Sparrows, allow for simultaneous foraging and scanning. *Ibis* 150: 779-787.

Invited Seminars:

2025-Present (Post-tenure, Full Professor)

Gall, M.D. Predators and prey in a noisy world: avian behavior, audition, and bioacoustics. Department of Biology, Illinois State University, April 2025.

2020-2025 (Post-tenure, Associate Professor)

Gall, M.D. Predators and prey in a noisy world: avian behavior, audition, and bioacoustics. Department of Natural Resources and Environment, Cornell University, February 2024.

Gall, M.D. Predators and prey in a noisy world: behavior and auditory processing. Biology Program, Bard College, Annandale-on-Hudson, NY. October 2023.

Gall, M.D., and Proudfoot, G.A. 2021. Audition of Northern Saw-whet Owls (*Aegolius acadicus*). Invited Talk (symposium: How Birds Sense the World). Meeting of the American Ornithology Society. August 2021.

Gall, M.D., *LaRocco, E., *de Koning, M. *Beatini, J.R., and Proudfoot, G.A. Frequency-specific auditory directional sensitivity of Northern saw-whet owls. Invited Talk (symposium: Peace Through Herptofauna). JBJC Evolutionary Neuroscience Spring Symposium. April 2021.

Gall, M.D., Baugh, A.T., Bee, M.A., and Lucas, J.R. Social communication across reproductive boundaries: hormones and the auditory periphery of songbirds and frogs. Invited Talk (symposium: Sending and Receiving Signals: Endocrine Modulation of Social Communication). Society for Integrative and Comparative Biology Annual Meeting. January 2021.

Gall, M.D., *de Koning, M. *Beatini, J.R., and Proudfoot, G.A. Directional sensitivity of Northern saw-whet owls: implications for prey and wing sound detection. Invited Talk (symposium: Bio-inspiration of silent flight of owls and other flying animals: recent advances and unanswered questions). Society for Integrative and Comparative Biology Annual Meeting. Austin, TX. January 2020.

Prior to 2020 (Pre-tenure)

Gall, M.D. Anurans, Aves, and Auditory Processing. Keynote Address at the Hudson Valley Life Sciences Group Spring Research Symposium. Poughkeepsie, NY. May 2018.

Gall, M.D. Auditory Processing and Acoustic Signals: Anurans, Aves, and Anthropogenic Noise. Department of Biological Sciences, Purdue University, West Lafayette, IN. January 2018.

Gall, M.D. Experience with social communication influences auditory reception in green tree frogs. Ecology, Evolution and Behavior Program, Indiana University, Bloomington. January 2017.

Gall, M.D. Experience with social communication influences auditory reception in green tree frogs. Department of Biology, Pace University. November 2016.

Gall, M.D. Experience with social communication influences auditory reception in green tree frogs. EEB Graduate Program, SUNY Buffalo. September 2016.

Gall, M.D. Sex, season and social signals: sources of variation in auditory processing. Department of Biology, Hofstra University. November 2015.

Gall, M.D. The Role of Sex in Animal Communication. Women's Studies First Friday, Vassar College. March, 2015.

Gall, M.D. How do ecology, evolution and behavior influence the reception of acoustic information in songbirds and frogs? Neuroscience Institute, Georgia State University. Atlanta, GA. June 2014.

Gall, M.D., Lucas, J.R. and Wilczynski, W. Sources of variation in auditory processing. Sensory biology and sexual selection symposium. 50th Annual Meeting of the Animal Behavior Society. University of Colorado, Boulder. August 2013.

Seminars and Submitted Abstracts (Conference Presentations):

(* indicates undergraduate authors, student and collaborator presentations not included)

2025-Present (Post-tenure, Full Professor)

2020-2025 (Post-tenure, Associate Professor)

Gall, M.D. Effects of vegetation density on noise profiles and signal propagation [Talk]. Society for Integrative and Comparative Biology Meeting. January, 2025.

Gall, M.D. Chou, T.L., and Henry, K.S. The silent assumption of the masking hypothesis: avian auditory processing and anthropogenic noise [Talk]. Animal Behavior Society Meeting. June, 2024.

Gall, M.D. and Chou, T.L. Noise effects on black-capped chickadee, tufted titmouse, and white-breasted nuthatch audition [Talk]. Society for Integrative and Comparative Biology Meeting. January, 2024.

Gall, M.D., *Nowacki, J.C., and Proudfoot, G.A. Masked Thresholds and Critical Ratios of Northern Saw-whet Owls (*Aegolius acadicus*). [Talk]. Society for Integrative and Comparative Biology Meeting. January, 2023.

Gall, M.D., *Nowacki, J.C., and Proudfoot, G.A. Noise raises auditory thresholds of Northern Saw-whet Owls (*Aegolius acadicus*). [Talk]. Animal Behavior Society Meeting. July, 2022.

Prior to 2020 (Pre-tenure)

Gall, M.D., *de Koning, M., *Matthews, M., *Beatini, J.R., Proudfoot, G.A. Morphological drivers of Northern saw-whet owl directional auditory sensitivity. [Talk] Society for Integrative and Comparative Biology Meeting. Tampa, FL. January, 2019.

Gall, M.D., *de Koning, M., *Beatini, J.R., Proudfoot, G.A. Hearing in 3D: auditory processing and implications for sound localization in Northern saw-whet owls. [Talk]. 55th Annual Conference of the Animal Behavior Society. Milwaukee, WI. August, 2018.

Gall, M.D., Baugh A.T., and Bee, M.A. The difference a day makes: oviposition influences endocrine state and peripheral auditory processing. [Poster] International Congress of Neuroethology. Brisbane, Australia. July, 2018.

Gall, M.D., Baugh A.T., and Bee, M.A. The difference a day makes: effects of oviposition on peripheral auditory sensitivity. [Talk] Society for Integrative and Comparative Biology Meeting. San Francisco, CA. January, 2018.

- *Beatini, J.R.,** Proudfoot, G.A., and Gall, M.D. Effects of Presentation Rate and Onset Time on Auditory Brainstem Responses in Northern Saw-whet Owls. [Talk] Society for Integrative and Comparative Biology Meeting. San Francisco, CA. January, 2018.
- Gall, M.D.** Experience with social communication influences auditory reception in green tree frogs. [Talk] Biology Department, Vassar College. September 2016.
- Gall, M.D.** and Wilczynski, W. Effects of call-like masking diminish after social stimulus exposure. [Talk] 53rd Annual Conference of the Animal Behavior Society. Columbia, MO. July, 2016.
- *Boycott, T.B.,** *Gao, J., and Gall, M.D. Effects of deer browsing on sound propagation. [Poster] 53rd Annual Conference of the Animal Behavior Society. Columbia, MO. July, 2016.
- *Beatini, J.** Proudfoot, G., and Gall, M.D. Frequency sensitivity of Northern Saw-whet Owls [Poster] 53rd Annual Conference of the Animal Behavior Society. Columbia, MO. July, 2016.
- Gall, M.D.** and Wilczynski, W. Where does socially-induced plasticity emerge in the auditory system? [Talk] 52nd Annual Conference of the Animal Behavior Society. Anchorage, AK. June, 2015.
- Gall, M.D.** and Wilczynski, W. Where does socially-induced plasticity emerge in the auditory system? [Talk] 51st Annual Conference of the Animal Behavior Society. Princeton, NJ. August, 2014.
- Gall, M.D.** and Wilczynski, W. Prior experience with conspecific signals enhances auditory midbrain responsiveness to conspecific vocalizations. [Talk] Society for Integrative and Comparative Biology Meeting. Austin, TX. January 2014.
- Gall, M.D.** Do you hear what I hear? Effects of species, sex, and season on auditory processing in songbirds. [Talk] Vassar College. November, 2012.
- Gall, M.D.** Do you hear what I hear? Effects of species, sex, and season on auditory processing in songbirds. [Talk] University of North Florida. November, 2012.
- Gall, M.D.** and Lucas, J.R. Songbird auditory processing varies with sex and season. [Talk]. 49th Annual Meeting of the Animal Behavior Society. University of New Mexico, Albuquerque, NM. June 2012.
- Gall, M.D.** and Lucas, J.R. Songbird auditory processing varies with sex and season. [Talk]. Center for the Integrative Study of Animal Behavior. Indiana University, Bloomington, IN. April 2012.

- Gall, M.D.** and Lucas, J.R. Effects of sex and reproductive status on the frequency-temporal resolution trade-off. [Poster]. 35th Midwinter Meeting of the Association for Research in Otolaryngology. San Deigo, CA. February, 2012.
- Gall, M.D.**, *Bestrom, E., Ronald, K.L., *Brierley, B., Littell, M.D., and Lucas, J.R. Variation in the propagation and active space of brown-headed cowbird song across habitats. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. October 2011.
- Gall, M.D.**, Brierley, L.E. and Lucas, J.R. The sender-receiver matching hypothesis in two songbirds: implications for active listening space. [Talk]. Joint meeting of the Animal Behavior Society and the International Ethological Conference. Indiana University, Bloomington, IN. July 2011.
- Gall, M.D.**, Henry, K.S., Brierley, L.E., and Lucas, J.R. The effects of species, sex, season and hormones on auditory processing in songbirds. Columbia University, New York, NY. June 2011.
- Gall, M.D.**, Henry, K.S., Brierley, L.E., and Lucas, J.R. The effects of species, sex, season and hormones on auditory processing in songbirds. Cornell University, Ithaca, NY. June 2011.
- Gall, M.D.**, Henry, K.S., Brierley, L.E., and Lucas, J.R. The effects of species, sex, season and hormones on auditory processing in songbirds. Georgia State University, Atlanta, GA. May 2011.
- Gall, M.D.**, Brierley, L.E. and Lucas, J.R. Species and sex effects on auditory processing in brown-headed cowbirds and red-winged blackbirds. [Talk]. Center for the Integrative Study of Animal Behavior. Indiana University, Bloomington, IN. April 2011.
- Gall, M.D.** and Lucas, J.R. Can you DDIG it? The physiological mechanisms regulating peripheral auditory processing. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. September 2010.
- Gall, M.D.**, Henry, K.S. and Lucas, J.R. The acoustic structure-function hypothesis: the receiver perspective. [Talk]. 47th Annual Meeting of the Animal Behavior Society. College of William and Mary, Williamsburg, VA. July 2010.
- Gall, M.D.**, Henry, K.S. and Lucas, J.R. The acoustic structure-function hypothesis: the receiver perspective. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. April 2010.
- Gall, M.D.** and Lucas, J.R. Peripheral auditory processing in an obligate avian brood parasite: sex differences and implications for host recognition. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. October 2009.
- Gall, M.D.** and Lucas, J.R. Auditory responses to tonebursts and amplitude modulation in the brown-headed cowbird (*Molothrus ater*) and red-winged blackbird (*Agelaius*

phoeniceus). [Talk]. American Ornithologists' Union Meeting, University of Pennsylvania. August 2009.

Gall, M.D. and Lucas, J.R. Minding the gap: Avian brain size and success in fragmented habitats. [Talk]. Center for the Integrative Study of Animal Behavior. Indiana University, Bloomington. April 2009.

Gall, M.D. and Lucas, J.R. Minding the gap: Avian brain size and success in fragmented habitats. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. April 2009.

Gall, M.D. and Fernández-Juricic, E.J. Food searching in the Black Phoebe (*Sayornis nigricans*): the effects of light environment, habitat structure and age. [Talk]. EcoLunch: Ecology Seminar Series, Purdue University. November 2008.

Gall, M.D. and Fernández-Juricic, E.J. Habitat structure and light environment alter perch selection and search effort in a sit-and-wait predator. [Poster]. International Society of Behavioral Ecology, Cornell University. August 2008.

Gall, M.D. and Fernández-Juricic, E.J. Habitat structure and light environment alter perch selection and search effort in a sit-and-wait predator. [Talk]. Southern California Animal Behavior Symposium, California State University Long Beach. February 2008.

Gall, M.D., Dolan, T., Tisdale, V and Fernández-Juricic, E.J. Visual fields of House Finches (*Carpodacus mexicanus*) and House Sparrows (*Passer domesticus*) allow for simultaneous foraging and scanning. [Poster]. Southern California Animal Behavior Symposium, UC Santa Barbara. February 2007.

Selected Student Presentations (2020-2024)

(* indicates undergraduate authors, presenter bolded)

***Krishna, A., *Chou, T.,** and Gall, M.D. Masking or Distraction? How anthropogenic noise reduces songbird responses to predator threats [Poster]. Society for Integrative and Comparative Biology Meeting. January, 2023.

***Chou, T., *Fossesca, M., *Krishna, A., *Desai, A.,** and Gall, M.D. The mechanisms behind noise's influence on the processing of antipredator-related stimuli [Poster]. Animal Behavior Society Meeting. July, 2022.

***Fossesca, M., *Chou, T., *Desai, A., *Krishna, A.,** and Gall, M.D. Interspecific flock communication: effects of masking and distraction on anti-predator behavior. [Poster]. Animal Behavior Society Meeting. July, 2022.

***Krishna, A., *Fossesca, M., *Chou, T., *Desai, A.,** and Gall, M.D. The syntactical structure of mobbing calls in response to visual and acoustic predator stimuli in noise. [Poster]. Animal Behavior Society Meeting. July, 2022.

Undergraduate Research Mentorship:

Vassar College (2020-2024, Post-tenure): Jaein Kim, Eileanor LaRocco, Joe Nowacki, Avery Bauman, Trina Chou, Anjali Krishna, Julia Goldberg, Nick D'Arrigo, Miriam Cubsted, Sam Bertrand, Raia Stern, Mark Fossesca, Avani Desai, Hannah Koolpe, Morgan Stephens, Sophie Jones, James Mannix, Zahara Goldkin, Kalina Sloat, Abby Paull, Susie Osborne, Lauren Jones, Zayn Cheema, Lucinda Thompson, Alex Graber, Gabe Grimes, Teoman Soydan

Vassar College (2013-2020, Pre-tenure): Arick Wong, Alison Ehrlich, Aaron Kim, Tymon Dickson, Jacob Damsky, Tim Boycott, Jeff Gerwin, Julia Beatini, Katie Nordstrom, Alex Koo, Jing Yi Gao, Do Park, Carly Barbera, Aaron Harvey, Nicholas Fancher, Karla Zabala, Emma Kline, Katie Hoots, Megan de Koning, Margaret Matthews, Jake Korbin, Chris McCann, Sandy Jiang

Graduate and Post-doctoral Institutions: Ernesto Lujan, Gilbert Trevino, Michelle Mijares, Kristen Malabanan, Margie Wineberger, José Caprile, Sarah Thomas, Leah Hough, Gwen Adame, Agustin Odeja, Veronica Ortiz, Samantha Merrick, Eric Bestrom, Brittany Brierley, Michael Littell, Matt Foertsch, Trey Smith, Joseph Sparks, Nascimento Matara, Sonji Colon

Professional Service:

2025	Textbook Reviewer for Oxford University Press
2025	External Reviewer, Mount Holyoke Neuroscience and Behavior Program
2024-2027	Chair, Division of Neurobiology, Neuroethology, and Sensory Biology (Society of Integrative and Comparative Biology)
2023-2024	Chair-elect, Division of Neurobiology, Neuroethology, and Sensory Biology (Society of Integrative and Comparative Biology)
2023-Present	Associate Editor, <i>Frontiers in Ethology</i>
2015-2019	Associate Editor, <i>The Auk: Ornithological Advances</i>
2014 - 2016	Session Moderator, Animal Behavior Society Meeting
2017-present	Session Moderator, Society for Integrative and Comparative Biology

Departmental and College Service:

2025	Search Chair, Neuroscience and Behavior Visiting Asst. Professor
2024	Search Committee, Biology Visiting Asst. Professor
2024-Present	Beckman Scholars Mentor
2023-2024	Dean of Faculty Search Committee
2023-Present	CCP subcommittee on Peer Observation of Teaching
2023-Present	Biology Department Scheduling Committee
2021-2023	Secretary to the Faculty
2022-Present	Biology Representative, Center for Collaborative Approaches to Science
2022	Equity Advisor for Computer Science Search
2020-2023	Ad Hoc Fellowship Committees (Watson, Thompson Bartlett, Goldwater)
2020-2021	Faculty Parliamentarian
2021	Committee on Academic Technology

2020-2021	Search Committee, Biology Lecturer
2017	Vassar College CARF
2017-2018	Biology Department Scheduling Committee
2017	Vassar College Faculty Policy and Conference Committee
2016-17, 2019-20	Biology Department Budget Committee
2016	Neuroscience and Behavior Assessment Sub-committee
2016-2019	Vassar College House Fellow
2015-2017	Vassar College Fellowship Committee
2015	Search Committee, Public Health Biologist
2015	Search Committee (Visiting Asst. Professor)
2014-present	Biology Department Seminar Committee
2014-2016	Biology Curriculum Committee, Vassar College (Chair 2015-2016)
2013-present	Farm Oversight Committee

Research Grants

2024	Vassar College ERI Instrumentation Grant (\$5000)
2024	Fergusson Technology Exploration Fund (\$1600)
2022	Fergusson Technology Exploration Fund (\$1680)
2019	Vassar College Research Committee Award (\$15,000)
2019	Vassar College ERI Collins Grant (\$5,000)
2011-2012	NSF Doctoral Dissertation Improvement Grant (\$12,450) <i>Title: Physiological mechanisms regulating plasticity in the peripheral auditory system: implications for communication.</i>
2011	Animal Behavior Society Student Research Grant (\$1,500)
2006	Sigma Xi Grant-in-Aid of Research (\$2,150)
2004	Schulz Grant for Environmental Research (\$4,500)

Honors, Awards, and Fellowships:

2012	H.E. Umbarger Outstanding Graduate Student Research Award (Department of Biological Sciences, Purdue University)
2010-2012	Purdue Research Foundation Fellowship (\$33,550)
2008	Ross Graduate Fellowship (\$23,000)

Ad Hoc Reviewer (Journals):

Animal Behaviour
 Behavioral Ecology
 Behavioral Ecology and Sociobiology
 Behavioral Neuroscience
 Bioacoustics
 Biological Journal of the Linnean Society
 Biology Letters
 Brain, Behavior, and Evolution
 Current Biology
 Current Zoology
 The European Zoological Journal
 Frontiers in Ethology

Frontiers in Ecology and Evolution
Frontiers in Physiology
Herpetologica
Integrative Zoology
Journal of Applied Ecology
Journal of the Acoustical Society of America
The Journal of Comparative Physiology A
The Journal of Evolutionary Biology
The Journal of Experimental Biology
The Journal of Field Ornithology
The Journal of Ornithology
The Journal of Theoretical Biology
Philosophical Transactions of the Royal Society B
Proceedings of the Royal Society B
Southeastern Naturalist
Southwestern Naturalist
Wilson Journal of Ornithology
Wildfowl

Grant Panels

National Science Foundation, Neural System Cluster

Ad Hoc Reviewer (Grants):

National Science Foundation
External Reviewer, FONDECYT Program (Chilean NSF equivalent)
Animal Behavior Society Student Research Grants

Professional Membership (current):

Animal Behavior Society
Society for Integrative and Comparative Biology
International Society for Neuroethology

Professional Membership (previous):

AAAS
American Ornithologists' Union
Society for Behavioral Neuroendocrinology
Association for Research in Otolaryngology
International Society for Behavioral Ecology