

Psychological Sciences Department
Western Oregon University
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Jay W. Schwartz

Research interests: vocal emotion expression in humans and nonhuman animals,
evolution of animal communication, nonlinguistic vocalizations

EMPLOYMENT

Assistant Professor of Psychological Science Aug 2020 - Present
Behavioral Sciences Division
Western Oregon University, Monmouth, OR

EDUCATION

Ph.D. Psychology – Neuroscience and Animal Behavior Program Aug 2015 - Mar 2020
Emory University, Atlanta, GA

- Advisor: Harold Gouzoules
- Dissertation: Vocal emotion expression across contexts, vocalization types, and species: Implications for general processes of vocal evolution

M.A. Anthropology Aug 2013 - May 2015
The Ohio State University, Columbus, OH

- Advisor: Dawn M. Kitchen

B.A. Biology, Cum Laude – Minors: Geology & Music Aug 2008 - May 2012
Macalester College, Saint Paul, MN

PEER-REVIEWED PUBLICATIONS

Undergraduate collaborators in bold

Schwartz JW, **Pierson KH**, **Reece AK**. 2023. Pitch affects human (*Homo sapiens*) perception of emotional arousal from diverse animal calls. *Journal of Comparative Psychology*.

Advance Online Publication. [[link](#)]

- Featured on *Kudos* [[link](#)]

Gouzoules H, Engelberg JWM, Schwartz JW. 2023. Loosening the leash: The unique emotional canvas of human screams. [Commentary on “Expression unleashed: The evolutionary & cognitive foundations of human communication,” by C Heintz & T Scott-Phillips].

Behavioral and Brain Sciences. 46: e10. [[link](#)]

Schwartz JW, Gouzoules H. 2022. Humans read emotional arousal in monkey vocalizations: Evidence for evolutionary continuities in communication. *PeerJ*. 10: e14471. [[link](#)]

Schwartz JW, Sanchez MM, Gouzoules H. 2022. Vocal expression of emotional arousal across two call types in young rhesus macaques. *Animal Behaviour*. 190: 125-138. [[link](#)]

- Engelberg JWM, Schwartz JW, Gouzoules H. 2021. The emotional canvas of human screams: Patterns and acoustic cues in the perceptual categorization of a basic call type. *PeerJ*. 9: e10990. [\[link\]](#)
- Schwartz JW, Engelberg JWM, Gouzoules H. 2020. Evolving views on cognition in animal communication: Contributions from scream research. *Animal Behavior and Cognition*. 7(2): 192-213. [\[link\]](#)
- Schwartz JW, Engelberg JWM, Gouzoules H. 2020. Was that a scream? Listener agreement and major distinguishing acoustic features. *Journal of Nonverbal Behavior*. 44: 233-252. [\[link\]](#)
- Schwartz JW, Gouzoules H. 2019. Decoding human screams: Perception of emotional arousal from pitch and duration. *Behaviour*. 156(13-14): 1283-1307. [\[link\]](#)
- Engelberg JWM, Schwartz JW, Gouzoules H. 2019. Do human screams permit individual recognition? *PeerJ*. 7: e7807. [\[link\]](#) – Press: [Science Daily](#)
- Schwartz JW, Hopkins ME, Hopkins SJ. 2016. Group pre-release training yields positive rehabilitation outcomes among juvenile mantled howler monkeys (*Alouatta palliata*). *International Journal of Primatology*. 37(2): 260-280. [\[link\]](#)
- Cheng AM, Handa P, Tateya S, Schwartz J, Tang C, Mitra P, Oram JF, Chait A, Kim, F. 2012. Apolipoprotein A-I attenuates palmitate-mediated NF- κ B activation by reducing toll-like receptor-4 recruitment into lipid rafts. *PLoS ONE*. 7(3): e33917.

FELLOWSHIPS & AWARDS

- | | |
|---|----------------|
| Nomination, Advisor of the Year Award | May 2022 |
| Nomination, Pastega Award for Excellence in Teaching | Feb 2022, 2023 |
| Honorable mention, Allee Competition,
57 th Annual Conference of the Animal Behavior Society | Jul 2020 |
| NSF Graduate Research Fellowship | 2014-2019 |
| Best poster award, Animal Bioacoustics Technical Committee,
177 th Meeting of the Acoustical Society of America | May 2019 |
| 2nd place, Three Minute Thesis abstract competition, Emory University | Apr 2019 |

INVITED TALKS

- Schwartz JW. November 2022. Animal calls, human perception, and the evolution of emotional communication. Behavioral Sciences Brownbag, Western Oregon University.
- Schwartz JW. October 2022. Human screams and animal calls: Insights into the evolution of emotional communication. Biological Anthropology seminar series, Kent University.

ACADEMIC CONFERENCE PRESENTATIONS

Undergraduate collaborators in bold

- Schwartz JW, **Deshon A**, **Polly NE**. April 2024. What makes a meow: Investigating the domestic cat vocal repertoire. In JW Schwartz (Chair), *Animal Behavior: Insights into the*

- evolution of the mind*. The 104th Annual Convention of the Western Psychological Association. San Francisco, CA. (Talk)
- Pierson KH, Reece AK, Schwartz JW.** August 2023. Pitch of animal calls affects human perceptions of emotional arousal. APA 2023 Convention, Washington DC. (Poster)
- Schwartz JW. July 2023. Animal emotion expression and human perception: Acoustics, phylogeny, and mammal-morphism. The 60th Annual Conference of the Animal Behavior Society. Portland, OR. (Talk)
- Schwartz JW. April 2023. Evolution of emotional communication: Animal vocal expression and human perception. In JW Schwartz (Chair), *Animal Behavior: Insights into the evolution of the mind*. The 103rd Annual Convention of the Western Psychological Association. Riverside, CA. (Talk)
- Schwartz JW, Gouzoules H. April 2022. Vocal emotion expression in macaques and humans. The 102nd Annual Convention of the Western Psychological Association. Portland, OR. (Talk)
- Schwartz JW, Gouzoules H. January 2021. Acoustic indicators of arousal in human and rhesus macaque screams. The 1st Global Animal Behavior Twitter Conference, Animal Behavior Society and Association for the Study of Animal Behavior. (Twitter thread) [[link](#)]
- Schwartz JW, Gouzoules H. July 2020. Vocal emotion expression in a macaque: Integrating proximate and ultimate perspectives. The 57th Annual Conference of the Animal Behavior Society. (Virtual Talk)
- Schwartz JW, Engelberg JWM, Gouzoules H. May 2019. What is a scream? Acoustic characteristics of a human call type. The 177th Meeting of the Acoustical Society of America. Louisville, KY. (Poster) – **Press:** [EurekAlert](#) | [New Scientist](#) | [Cosmos](#)
- Engelberg JWM, Schwartz JW, Gouzoules H. April 2019. Do human screams permit individual recognition? The 26th International Conference on Comparative Cognition. Melbourne Beach, FL. (Poster)
- Schwartz JW, Wilson ME, Sanchez MM, Gouzoules H. April 2019. Emotional communication transcends species: Human perception of rhesus macaque vocalizations. The 26th International Conference on Comparative Cognition. Melbourne Beach, FL. (Talk)
- Engelberg JWM, Schwartz JW, Gouzoules H. September 2019. Decoding human screams: Acoustics and perception of identity and emotion. 3rd Southeastern Evolution and Human Behavior Meeting. Stone Mountain, GA. (Talk)
- Schwartz JW, Bergman TJ, Cortés-Ortiz L, Kitchen DM. June 2017. The sound and the fury: Vocal correlates of affective arousal in black howler monkeys. 54th Annual Meeting of the Animal Behavior Society. University of Toronto Scarborough, Scarborough, Ontario, Canada. (Poster)
- Kitchen DM, Bergman TJ, Schwartz JW, Dias PAD, Caneles-Espinosa D, Cortés-Ortiz L. March 2015. Hybrid howler monkeys (*Alouatta pigra* x *A. palliata*) discriminate phenotypes based on acoustic but not temporal features of loud calls. 84th Annual Meeting of the American Association of Physical Anthropologists. St. Louis, MO. (Talk)

MENTORED STUDENT PUBLICATIONS AND PRESENTATIONS

Pierson KH & Reece AK. Under review. A review of human perceptions of emotions from animal vocalizations. *PURE Insights*.

Reece AK & Pierson KH. May 2023. Human perceptions of emotional intensity affected by the pitch of animal calls. Academic Excellence Showcase, Western Oregon University, Monmouth, OR. (Poster)

Pierson KH. May 2022. Effects of visuals on levels of human support for animal rights. Academic Excellence Showcase, Western Oregon University, Monmouth, OR. (Poster)

COURSES

Western Oregon University, Department of Psychological Sciences

FYS 107 Make Your Brain Work for You: Cognition in the College Classroom

PSY 201 General Psychology

PSY 301 Introduction to Research Methods

PSY 360 Cognitive Psychology

PSY 414 Animal Psychology

PSY 451 Behavioral Neuroscience

PSY 465 Motivation

PSY 467 Quantitative Methods

PSY 468 Advanced Research Methods

Emory University, Department of Psychology

PSYC 110 Psych I: Psychobiology and Cognition

Teaching Assistant/Lab Instructor

Emory University, Department of Psychology

PSYC 325 Primate Social Psychology

PSYC/BIOL 320 Animal Behavior

PSYC 200 Psychology Research Methods

PSYC 110 Intro to Psych I: Psychobiology and Cognition

Macalester College, Department of Biology

BIOL 270 Biodiversity and Evolution

POPULAR SCIENCE WRITING & OUTREACH

Popular Science Publications

Schwartz JW. 2018. Is gender unique to humans? *SAPIENS*. [\[link\]](#) Also at *Discover* [\[link\]](#)

Schwartz JW. 2017. Primate vocalizations are much more than gibberish. *SAPIENS*. [\[link\]](#)

Science communication blog: <https://jaywschwartz.wordpress.com/blog/>

Selected posts:

- What the field of animal behavior tells us about gender diversity [\[link\]](#)
- Myth-busting: Cats are selfish and indifferent toward us [\[link\]](#)
- “Ape” vs. “monkey”: The simple distinction that’s not actually that simple [\[link\]](#)

SERVICE

Western Oregon University

Behavioral Sciences Division

Student Travel Funding Coordinator	Spring 2023-Present
BSD Diversity, Equity & Inclusion Committee	
Member	Fall 2023 – Present
Chair	Fall 2022 – Spring 2023
Member, Biological / Neuropsychology Search Committee	Fall 2022 – Winter 2023
Member, BSD Diversity, Equity & Inclusion Taskforce	Spring 2021 – Fall 2022
Member, VAP Search Committee	Winter-Spring 2022

University-level

Member, General Education Committee	Fall 2023 – Present
Member, Digiication Development and Implementation Team	Fall 2023 – Present
Gen Ed Professional Learning Community	
Chair	Fall 2022 – Present
Member	Fall 2020 – Spring 2022
Member, Institutional Animal Care and Use Committee	Fall 2022 – Present
Member, Academic Technology Resource Committee	Fall 2021 – Spring 2022

One-time events

Open classrooms – PSY 301	Feb 2024
WOU BSD Rep, Chemeketa Human Services Fair	Winter 2024
Substitute member, Faculty Senate	Fall 2023
Host – Navigating the College Landscape student workshop	Fall 2023
Reviewer, General Education Catalyst applications	Summer 2023
WOU BSD Rep, Chemeketa Human Services Fair	Winter 2023
Psychological Sciences Faculty Rep, Fall Preview Day	Fall 2022
Panel member – Navigating the College Landscape student workshop	Fall 2022
Psychological Sciences Faculty Rep, Making WOU Happen	Spring 2022
Psychology Advisor, Summer Orientation Advising and Registration	Spring 2021

Emory University

Student Representative, Graduate Curriculum Committee, Department of Psychology	2018-2019
Vice President, Emory University Graduate Research Team of Interdisciplinary Scholars (GRITS)	2017-2019

Professional Service

Associate Editor, <i>Pure Insights</i>	Fall 2022
Peer review for the following journals:	
<i>American Journal of Primatology</i>	
<i>PURE Insights</i>	

BMC Biology
Affective Science
Journal of Nonverbal Behavior
Journal of Comparative Psychology
New School Psychology Bulletin

Academic Conference Service

Symposium organizer and chair—Animal Behavior: Insights into the Evolution of the Mind. The 104th Annual Convention of the Western Psychological Association, San Francisco, CA. [2024]

Session chair—Communication II. The 60th Annual Conference of the Animal Behavior Society, Portland, OR. [2023]

Symposium organizer and chair—Animal Behavior: Insights into the Evolution of the Mind. The 103rd Annual Convention of the Western Psychological Association, Riverside, CA. [2023]

Professional membership

Western Psychological Association
Animal Behavior Society

OTHER PREVIOUS RESEARCH

University of Minnesota, Department of Entomology Paid Research Assistant – Biological pest control	May-Aug 2013; May-Aug 2014
Alouatta Sanctuary, Chiriqui, Panama Research and Primate Care Intern	Jan-May 2013
Universidad Nacional Autónoma de Mexico, Instituto de Biología Volunteer Field Assistant – Black howler monkey socioecology	Aug-Dec 2012
University of Minnesota, Department of Ecology/Evolution/Behavior Volunteer Research Assistant – Frog vocal communication	May-July 2012
Minnesota Zoo Volunteer Research Assistant – Japanese macaque social behavior	Nov 2011-May 2012
University of Washington, Department of Medicine Paid Research Assistant – Cellular mechanisms of diabetes	Jun-Aug 2009; Jun-Aug 2010