

MALINDA J. MCPHERSON-MCNATO

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RESEARCH INTERESTS

- Auditory perception and memory, particularly of complex signals such as speech and music
- Auditory perception and aesthetic preferences across individuals and cultures

EDUCATION & ACADEMIC POSITIONS

Purdue University , Department of Speech, Language, and Hearing Sciences Assistant Professor <ul style="list-style-type: none">• PI, McPherson-McNato Auditory Perception Lab	West Lafayette, IN 2024-Present
University of California, San Diego , Department of Psychology Postdoctoral Scholar , <i>Advisor: Tim Brady</i> Lecturer	La Jolla, CA 2022–2024 Fall 2023
Massachusetts Institute of Technology , Department of Brain and Cognitive Sciences Postdoctoral Associate , <i>Advisor: Josh H. McDermott</i>	Cambridge, MA 2022
Harvard University , Program in Speech and Hearing Bioscience and Technology Ph.D. <i>Advisor: Josh H. McDermott</i>	Cambridge, MA 2015–2021
University of Cambridge , Center for Music and Science M.Phil. <i>Advisor: Ian Cross</i>	Cambridge, UK 2014-2015
Johns Hopkins University B.A. in Cognitive Science, minor in Music (general and departmental honors, GPA: 3.93, Major GPA: 4.0) Research Assistant; <i>Advisor: Charles J. Limb</i>	Baltimore, MD 2010-2014 2012-2014

GRANTS & FUNDING

Instruction Matters: Purdue Academic Course Transformation (IMPACT) Grant Purdue University	2024
Ruth L. Kirschstein Predoctoral National Research Service Award (F31) National Institute on Deafness and Other Communication Disorders, National Institutes of Health, USA	2019–2022
Mind Brain Behavior Interfaculty Initiative Graduate Student Award Harvard University	2020
Graduate Research Fellowship Program National Science Foundation, USA	2015–2020
Churchill Scholarship , <i>to complete an MPhil at the University of Cambridge</i> Winston Churchill Foundation of the United States	2014–2015
Bander Family Fund Award & the Provost's Undergraduate Research Award Johns Hopkins University	2013

PUBLICATIONS

- McPherson-McNato, M.J.*, Undurraga, E.A., Dolan, S.E., Durango, A., Medina, B.J., Godoy, R.A. and McDermott, J.H., 2026. Preferences for consonance are evident in Indigenous Amazonians with higher, but not lower, levels of global integration. *Cognition*, 267, p.106333.
- Pijanowski, B.C., Rivas Fuenzalida, F., Kang, J., Werner, C., Francis, A., *McPherson, M.*, Heinz, M., Grimes, S., Post, J., Rhodes, O.E. and Mediatika, C.E., 2025. A sonic One Health framework: characterizing health of the environment, animals, and humans using a soundscape perspective. *BioScience*, p.biaf109.

- Jacoby, N. [and 33 others, including **McPherson, M.J.**], (2024). Commonality and variation in mental representations of music revealed by a cross-cultural comparison of rhythm priors in 15 countries. *Nature Human Behavior*. 1-32.
- McPherson, M.J.**, McDermott, J.H. (2023). Relative pitch representations and invariance to timbre. *Cognition*. 232: 105327.
- McPherson, M. J.**, Grace, R. C., & McDermott, J. H. (2022). Harmonicity aids hearing in noise. *Attention, Perception, & Psychophysics*. 84(3), 1016-1042.
- McPherson, M. J.**, & McDermott, J. H. (2020). Time-dependent discrimination advantages for harmonic sounds suggest efficient coding for memory. *Proceedings of the National Academy of Sciences*, 117(50), 32169-32180.
- McPherson, M. J.**, Dolan, S. E., Durango, A., Ossandon, T., Valdés, J., Undurraga, E. A., Jacoby, N., Godoy, R. A., & McDermott, J. H. (2020). Perceptual fusion of musical notes by native Amazonians suggests universal representations of musical intervals. *Nature Communications*, 11(1), 2786.
- Jacoby, N., Undurraga, E. A., **McPherson, M. J.**, Valdes, J., Ossandon, T., & McDermott, J. H. (2019). Universal and non-universal features of musical pitch perception revealed by singing. *Current Biology*, 29(19), 3229-3243.
- McPherson, M. J.**, & McDermott, J. H. (2018). Diversity in pitch perception revealed by task dependence. *Nature Human Behavior*, 2(1), 52-66.
- McPherson, M. J.**, Barrett, F. S., Lopez-Gonzalez, M., Jiradejvong, P., & Limb, C. J. (2016). Emotional intent modulates the neural substrates of creativity: an fMRI study of emotionally targeted improvisation in Jazz musicians. *Scientific reports*, 6, 18460.
- McPherson, M. J.**, Lopez-Gonzalez, M., Rankin, S. K., & Limb, C. J. (2014). The role of emotion in musical improvisation: an analysis of structural features. *PLOS One*, 9(8), e105144.
- McPherson, M.J.**, & Limb, C. J. (2013). Difficulties in the neuroscience of creativity: Jazz improvisation and the scientific method. *Annals of the New York Academy of Sciences*, 1303(1), 80-83.

CONFERENCE PROCEEDINGS

- Seidle, A., Feather, J.*, **McPherson-McNato, M.J.***, (2025). Training on Ecologically Relevant Tasks Improves Alignment Between Artificial Neural Network and Human Similarity Judgments, *8th Annual Conference on Cognitive Computational Neuroscience*. *co-senior authors

BOOK CHAPTERS

- McPherson, M.J.**, C.J. Limb. *Improvisation: Experimental Considerations, Results, and Future Directions*. Chapter in *Foundations in Music Psychology: Theory and Research*. Eds., D. Levitin and J. Rentfrow. MIT Press, Cambridge, MA. 2019.
- McPherson, M.J.**, C.J. Limb. *Artistic and Aesthetic Production: Progress and Limitations*, Chapter in *Cambridge Handbook of the Neuroscience of Creativity*. Eds., R. Jung and O. Vartanian. Cambridge University Press, Cambridge, UK. 2018.

PREPRINTS

- McPherson-McNato, M. and Brady, T., Memory performance in hearing and vision is differentially impacted by stimulus similarity and task structure. Preprint, OSF.

TEACHING EXPERIENCE

Training/Professional Development Courses:

- *Instruction Matters: Purdue Academic Course Transformation (IMPACT) program Fellow, 2024-2025*
 - 15-week program focusing on student-centered, autonomy-supportive, and engaging pedagogy
- *Course Design Series*, UC San Diego Teaching and Learning Commons, Spring 2023
- *Introduction to College Teaching Course*, UC San Diego Teaching and Learning Commons, Fall 2022

- *Public Speaking for Teachers and Scholars*, Harvard University, Derek Bok Center for Teaching and Learning, Spring 2018

Current Courses:

302: *Hearing Sciences* (Fall 2024, Spring 2026)

- Enrollment: 45-75

419: *Hearing and Music Perception* (new course prep, Fall 2025)

- Enrollment: 20-50

504: *The Auditory Periphery* (Graduate course for AuD students, Fall 2024, Fall 2025)

- Enrollment: 11-14

PROFESSIONAL ACTIVITIES, OUTREACH, POLICY

Department and University Service

Speech Language and Hearing Sciences Department Advisory Committee	2025-Present
<ul style="list-style-type: none"> • Elected to the committee by other department faculty 	
SONA Systems Administrator, Speech Language and Hearing Sciences Department	2025-Present
<ul style="list-style-type: none"> • Managed uptake of SONA Systems for experiment sign-up, organized departmental IRB approval 	
Diversity, Equity, and Inclusion Committee, SLHS Department, Purdue University	2024-Present
<ul style="list-style-type: none"> • Facilitated workshop for all faculty, staff, and graduate students focused on equitable citation practices, Fall 2024 	
Undergraduate Curriculum Committee, SLHS Department, Purdue University	2024-Present
Judge, Health and Human Services Life Inspired Spring Research Poster Competition	2025

Professional Organization Service

Long Range Planning Committee, Association for Research in Otolaryngology	2025-Present
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Science Policy

Harvard Medical School Scientific Citizenship Initiative MA State House Science and Technology Fellowship	2021
<i>Science advisor, Massachusetts Joint Committee on Mental Health, Substance Use and Recovery</i>	

Science Outreach

Guest, Naked Neuroscience Podcast	2023, 2024
Volunteer Scientist, Skype a Scientist	2020-Present
Guest, BBC Crowd Science, "How does my radio work?"	2022
Editor, Science in the News Longform Blog, Harvard University	2018–2021
Writer, Science in the News Longform Blog, Harvard University	2020
<i>Conceived of and wrote a six-part special edition, "What does a scientist do?" (https://tinyurl.com/WhatScientistsDo)</i>	
Panelist, Boston Museum of Science, "Ask A Scientist" series, "How do we perceive sounds?"	2020
Facilitator, "Science by the Pint" community outreach series, Harvard University	2018–2020
Facilitator, Our Whole Lives Sexuality: Lifespan Sexuality Education, The First Church in Belmont	2016–2020
<i>Taught weekly science-based, secular, inclusive sexual health course for 8th graders</i>	
Writer, <i>The Guardian</i> , "Making it up as you go along: how your brain improvises"	2016
Guest, KPCC (NPR news for Southern California), AirTalk, "New study looks at brain activities of jazz musicians to find link between emotions and creativity"	2016
Facilitator, Making Neuroscience Fun, Johns Hopkins University Department of Neuroscience	2014
<i>Volunteered to teach Pre-K to 5th grade students about the nervous system</i>	
Teacher, Creating Responsibility in Adolescent Sexual Health, Maryland State Juvenile Justice System	2012–2014
<i>Taught weekly evidence-based reproductive anatomy and sexual health course to justice-involved youth</i>	

Meeting Organization

Chair & Presenter, Young Investigators Symposium, "Bridging the Senses: Lessons Learned at the Intersection of Audition and Vision." Association for Research in Otolaryngology 46th Annual Midwinter Meeting	2025
Co-Chair & Presenter, Symposium, "Online Experimentation in Audition: Recent Advances and Future Directions." Association for Research in Otolaryngology 46th Annual Midwinter Meeting	2023
Speech & Hearing Bioscience and Technology Distinguished Lecture Series Organizing Committee	2017
Social Media and Communications Team, Global Scholars Symposium, University of Cambridge	2015

Diversity, Equity, and Inclusion

Diversity & Inclusion Badge, University of Rhode Island	2022
Co-President, Harvard LGBTQ@GSAS Association	2020–2022
Academic Chair, Harvard LGBTQ@GSAS Association	2019–2020
Facilitator, Harvard University Division of Medical Sciences Culture and Community Orientation Workshops	2020

Peer Reviewing

Attention, Perception, & Psychophysics; Auditory Perception and Cognition; Behavioral Research Methods, Brain Research; Collabra Psychology; Ear and Hearing; eLife; Infancy; International Journal of Audiology; iScience; Journal of Experimental Psychology (JEP): General; JEP: Learning, Memory, and Cognition; JEP: Human Perception and Performance; Journal of the Acoustical Society of America (JASA); JASA-Express Letters; Journal of Cognitive Neuroscience; Journal of Neuroscience; Music Perception; Musicae Scientiae; National Science Foundation; Nature Communications; Nature Human Behavior; NeuroImage; Neuroscience and Biobehavioral Reviews; PLOS Computational Biology; PLOS One; Royal Society; Scientific Reports

Professional Associations

Association for Research in Otolaryngology, American Association for the Advancement of Science, National Science Policy Network, Acoustical Society of America, American Psychological Association

AWARDS & HONORS

Association for Research in Otolaryngology Travel Award	2023
Forbes 30 Under 30 - Science	2022
Harvard University Graduate School of Arts and Sciences Commencement Marshal <i>Elected by Graduate Student Council for contributions to student life at Harvard</i>	2022
Harold M. Weintraub Graduate Student Award, Fred Hutch <i>Recognized among 13 awardees (internationally) for achievement during graduate studies in biological sciences</i>	2021
MIT On the Spot Award <i>Organized events to maintain lab morale and build community during COVID-19 shutdown</i>	2020
Advanced Perspectives in Auditory Neuroscience Conference Travel Award	2019
Association for Research in Otolaryngology Travel Award	2019
The Donald Havens Scholarship, Rassias Center Accelerated Language Program (Spanish), Dartmouth College <i>Completed one-week intensive Spanish course to facilitate communication during fieldwork in Bolivia</i>	2019
Society for Education, Music, and Psychology Research (SEMPRE) Conference Award	2015
Award for Excellence in Cognitive Science, Johns Hopkins University <i>Given to the graduating senior with the strongest combination of academic and research excellence</i>	2014

INVITED TALKS

8 th International Conference on Auditory Cortex	2025
Keynote Speaker, University of Southern California Neuroscience Retreat	2025
Eastman/Rochester/Cornell/Buffalo Music Cognition Symposium	2025
Purdue University, Department of Speech, Language, and Hearing Sciences Hearing Seminar	2025
Purdue University, Department of Speech, Language, and Hearing Sciences Weekly Seminar	2024
National Institutes of Health, 10th Annual BRAIN Initiative Meeting	2024
National Institutes of Health, Music as Medicine: The Science and Clinical Practice	2023
Cambridge University Centre for Music and Science Seminar	2023
Cambridge University Medical Research Council Cognitive Brain Unit, Hearing Group	2023
University of Oxford, Auditory Neuroscience Group	2023
École Normale Supérieure, Laboratoire des systèmes perceptifs	2023
École Normale Supérieure, Département d'Études Cognitives Colloquium	2023
Max Planck Institute for Empirical Aesthetics	2023
Purdue University, Department of Speech, Language, and Hearing Sciences	2022
University of Delaware, Department of Psychology	2022

University of California, San Diego, Cognitive Brown Bag	2022
Boston University, Hearing Research Center Seminar Series	2021
University of California, San Diego, Vision and Memory Lab	2021
MIT Department of Brain and Cognitive Sciences, Cog Lunch	2021
Max Planck Institute for Empirical Aesthetics, Computational Auditory Perception Research Group	2021
Collective Intelligence 2020, Workshop on Digital Experiments on Amazon Mechanical Turk	2020
University of California, Berkeley, The Computation and Language Lab	2020
Boston University, Communication Neuroscience Research Laboratory	2019
Dartmouth College, Department of Psychological and Brain Sciences, Cognitive Brown Bag	2019
Association for Research in Otolaryngology, MidWinter Meeting, Poster Blitz Talk	2019
MIT Department of Brain and Cognitive Sciences, Cog Lunch	2016
Harvard University Institute of Politics	2016
Society for Music Perception and Cognition Conference	2015
University of Cambridge, Churchill College Conference on Everything	2015
University of Oxford, 2 nd International Conference on Music and Consciousness	2015
University of Cambridge, Churchill College Academic Seminar Series	2015
Salzburg Global Seminar, Session 547, The Neuroscience of Art	2015

MENTORING

Staff

Aidan Seidle, Lab Manager/Research Associate (2024-Present)

Sophia Dolan: Staff Researcher, Summer 2025 Fieldwork

Graduate

Naomi White, Audiology Graduate Student, Purdue University (Fall 2025-Present)

Danny Mollericona Alfaro, Graduate Student, Yale University (Summer 2025 Fieldwork)

Bryan Medina: Graduate Student, MIT (Summer 2023 & 2024 Fieldwork)

Jacob Alappatt: Graduate Rotation Student, Harvard University (Fall 2021)

Steven Meisler: Graduate Rotation Student, Harvard University (Fall 2020)

Sara Simpson: Graduate Rotation Student, MIT (Fall 2019)

Alexander Durango: Postbaccalaureate Student, MIT (Summer 2019 Fieldwork)

Undergraduate

Megan Koellish, Undergraduate Research Assistant, Purdue University (Fall 2025-Present)

Olivia Honeycutt: Undergraduate Research Opportunities Program, MIT (Fall 2023–Present)

River Grace: Undergraduate Research Opportunities Program, MIT (Fall 2018–Summer 2021)

Sophia Dolan: Undergraduate Research Opportunities Program, Wellesley College (Spring 2018–Spring 2020)

Shuang Fan: Undergraduate Research Assistant, Berklee College of Music, (Spring 2018)

Crystal Wang: Undergraduate Research Opportunities Program, MIT (Summer 2017)

Mentor, Women in STEM Mentoring Program, Harvard University (Fall 2016–Spring 2020)

CONFERENCE TALKS* & POSTERS+

+Aidan Seidle (presenting author), Feather, J, *McPherson-McNato, M.J.* (February 2026). Benchmarking Artificial Neural Network Models of Human Auditory Processing with Sound Similarity Judgements. *Association for Research in Otolaryngology, 49th Annual MidWinter Meeting*, San Juan, PR.

+Hee So Kim, (presenting author), *McPherson-McNato, M.J.*, Noyce, A., Feather, J. (February 2026). Probing Invariances in Auditory Event Categorizations Using Model Metamers. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, San Juan, PR

- + **McPherson-McNato, M.J.**, Undurraga, E., Seidle, A., Honeycutt, O., McDermott, J.H. (February 2026). Robustness to noise reveals cross-culturally consistent properties of pitch perception for harmonic and inharmonic sounds. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, San Juan, PR
- + **McPherson-McNato, M.J.**, Undurraga, E.A, Seidle, A., Honeycutt, O., McDermott, J.H. (November 2025). Cross-culturally shared sensitivity to harmonic structure underlies some aspects of pitch perception. *Advances and Perspectives in Auditory Neuroscience*, San Diego, CA.
- + Aidan Seidle (presenting author), Feather, J.* **McPherson-McNato, M.J.*** (August 2025). Training on ecologically relevant tasks improves alignment between artificial neural network and human similarity judgments. *Cognitive Computational Neuroscience, 2025*. Amsterdam, Netherlands. *co-senior authors
- * **McPherson, M.J.**, (February 2025). Memory Performance in Hearing and Vision is Differentially Impacted by Task Structure and Stimulus Similarity. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, Orlando, FL.
- + **McPherson, M.J.**, Undurraga, E.A., Poblete, M., Rojas, S., Zariquiey, R., Medina, B., McDermott, J.H. (February 2025). Preference for loudness and pitch vary across cultures. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, Orlando, FL.
- + Aidan Seidle (presenting author), **McPherson, M.J.**, Undurraga, E., McDermott, J.H. (February 2025). Cross-culturally shared sensitivity to harmonic structure underlies aspects of pitch discrimination. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, Orlando, FL.
- + McDermott, J.H. (presenting author), Medina, B., Hess, P., **McPherson, M.J.**, Undurraga, E., Godoy, R. (February 2025). Cross-cultural influences of beating on music perception. *Association for Research in Otolaryngology, 48th Annual MidWinter Meeting*, Orlando, FL.
- + **McPherson, M.J.**, Medina, B.J., Undurraga, E.A., McDermott, J.H. (February 2024). Preference for loudness and pitch vary across cultures. *Association for Research in Otolaryngology, 47th Annual MidWinter Meeting*, Anaheim, CA.
- + Williams, J.R. (presenting author), **McPherson, M.J.**, Brady, T.R., (February 2024). The circularity of audition: perceptual similarity underlies memory performance for simple tones. *Association for Research in Otolaryngology, 47th Annual MidWinter Meeting*, Anaheim, CA.
- * **McPherson, M.J.**, (September 2023). Relative pitch representations and invariance to timbre. *Basic Auditory Science*, London, UK.
- + **McPherson, M.J.**, Brady, T. (May 2023). Selective cortical responses to harmonic sounds. *Vision Sciences Society*, St. Pete Beach, FL.
- * **McPherson, M.J.**, (February 2023). Online Auditory Psychophysics Enables New Psychoacoustic Paradigms. *Association for Research in Otolaryngology, 46th Annual MidWinter Meeting*, Orlando, FL.
- + **McPherson, M.J.**, Boebinger, D.L., Kanwisher, N., McDermott, J.H. (February 2023). Selective cortical responses to harmonic sounds. *Association for Research in Otolaryngology, 46th Annual MidWinter Meeting*, Orlando, FL.
- + Griffith, I. (presenting author), **McPherson, M.J.**, Saddler, M., McDermott, J.H. (February 2023). Task-Optimized Models of Relative Pitch. *Association for Research in Otolaryngology, 46th Annual MidWinter Meeting*, Orlando, FL.
- + **McPherson, M.J.**, Boebinger, D.L., Kanwisher, N., McDermott, J.H. (November 2022). Selective cortical responses to harmonic sounds. *Advances and Perspectives in Auditory Neuroscience*, San Diego, CA.
- + **McPherson, M.J.**, McDermott, J.H. (February 2022). Invariance in pitch perception. *Association for Research in Otolaryngology, 45th Annual MidWinter Meeting*, Virtual.
- + **McPherson, M.J.**, Grace, R.C., McDermott, J.H. (February 2021). Harmonicity aids hearing in noise. *Association for Research in Otolaryngology, 44th Annual MidWinter Meeting*, Virtual.
- + **McPherson, M.J.**, Dolan, S.E., Durango, A., Ossandon, T., Valdez, J., Undurraga, E.A., Jacoby, N., Godoy, R.A., McDermott, J.H. (November 2020). Fusion of musical notes suggests universal representations of dissonance despite culture-dependent aesthetic associations. *16th Annual NeuroMusic Conference*, Virtual.

- +**McPherson, M.J.**, Grace, R.C., McDermott, J.H. (October 2020). Harmonicity aids hearing in noise. *Advances and Perspectives in Auditory Neuroscience*, Virtual.
- +**McPherson, M.J.**, McDermott, J.H. (January 2020). Harmonicity aids hearing in noise. *Association for Research in Otolaryngology, 43rd Annual MidWinter Meeting*, San Jose, CA.
- +**McPherson, M.J.**, McDermott, J.H. (October 2019). Pitch provides a compact code for memory storage. *Advances and Perspectives in Auditory Neuroscience*, Chicago, IL.
- +**McPherson, M.J.**, McDermott, J.H. (May 2019). Harmonicity aids detection of speech and other sounds in noise. *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- *“Representation of dissonance is culturally invariant even though aesthetic responses to dissonance are not”. (May 2019). *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- +**McPherson, M.J.**, McDermott, J.H. (February 2019). Assessing pitch perception using sung responses. *Association for Research in Otolaryngology, 42nd Annual MidWinter Meeting*, Baltimore, MD.
- *“Representation of dissonance is culturally invariant even though aesthetic responses to dissonance are not.” (February 2019). Poster Blitz. *Association for Research in Otolaryngology, 42nd Annual MidWinter Meeting*, Baltimore, MD.
- +**McPherson, M.J.**, Dolan, S.E., Ossandon, T., Valdez, J., Undurraga, E.A., Jacoby, N., Godoy, R.A., McDermott, J.H. (February 2019). Representation of dissonance is culturally invariant even though aesthetic responses to dissonance are not. *Association for Research in Otolaryngology, 42nd Annual MidWinter Meeting*, Baltimore, MD.
- +Jacoby, N. (*presenting author*), Undurraga, E.A., **McPherson, M.J.**, Valdez, J., Ossandon, T., McDermott, J.H. (February 2019). Individual differences and cross-cultural variation in pitch perception revealed by sung reproduction. *Association for Research in Otolaryngology, 42nd Annual MidWinter Meeting*, Baltimore, MD.
- *“Perceptual fusion of musical notes suggests universal representations of dissonance despite culture-dependent aesthetic associations.” (February 2019). *Northeast Music Cognition Group (NEMCOG)*, Boston, MA.
- +**McPherson, M.J.**, McDermott, J.H. (May 2018). Multiple mechanisms in pitch perception revealed by individual differences. *175th Meeting of the Acoustical Society of America*, Minneapolis, MN.
- +**McPherson, M.J.**, McDermott, J.H. (May 2018). The function of f0-based pitch. *175th Meeting of the Acoustical Society of America*, Minneapolis, MN.
- +**McPherson, M.J.**, McDermott, J.H. (February 2018). Multiple mechanisms in pitch perception revealed by individual differences. *Association for Research in Otolaryngology, 41st Annual MidWinter Meeting*, San Diego, CA.
- +**McPherson, M.J.**, McDermott, J.H. (February 2018). The function of f0-based pitch. *Association for Research in Otolaryngology, 41st Annual MidWinter Meeting*, San Diego, CA.
- +**McPherson, M.J.**, McDermott, J.H. (June 2017). Multiple pitch mechanisms revealed by effects of inharmonicity on pitch perception. *Acoustics '17, Acoustical Society of America*, Boston, MA.
- +**McPherson, M.J.**, McDermott, J.H. (June 2017). Multiple pitch mechanisms revealed by effects of inharmonicity. *Neuromusic VI*, Boston, MA.
- +**McPherson, M.J.**, McDermott, J.H.. (February 2017). Effects of inharmonicity in music and speech suggest multiple pitch mechanisms. Poster. *Association for Research in Otolaryngology, 40th Annual MidWinter Meeting*, Baltimore, MD.
- *“Emotional Expression and Creativity: An fMRI study of jazz improvisation in response to emotional cues”. (August 2015). *2015 Meeting of the Society for Music Perception and Cognition*, Nashville, TN.
- +**McPherson, M.J.**, Cross, I. (August 2015). The Effect of Rhythmic Coordination on the Perception of Emotion in Music. *2015 Meeting of the Society for Music Perception and Cognition*, Nashville, TN.
- *“What is music and why should we study it?” (April 2015). *Churchill College Conference on Everything*, Cambridge, UK.
- *“Emotional expression and creativity: An fMRI study of jazz improvisation in response to emotional cues.” (April 2015). *2nd International Conference on Music and Consciousness*, Oxford, UK.

+**McPherson, M.J.**, Lopez-Gonzalez, M., Rankin, S. (*presenting author*), Limb, C.J. (February 2015). Musical features of spontaneous improvisation associated with emotional cues. *Association for Research in Otolaryngology 38th Annual Midwinter Meeting*, Baltimore, MD.

+**McPherson, M.J.**, Lopez-Gonzalez, M., Rankin, S., Limb, C.J. (August 2014). Musical features of spontaneous improvisation associated with emotional cues. *The 13th International Conference on Music Perception and Cognition and the 5th Conference for the Asian-Pacific Society for Cognitive Sciences of Music*. Seoul, South Korea.