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## Curriculum Vitae

### Erol James Ozmeral, PhD

*Assistant Professor, Department of Communication Sciences & Disorder*  
*Assistant Professor (Affiliate), Department of Medical Engineering*  
*Director, Auditory Neurosciences & Technology Laboratory*  
*Associate Director, Global Center for Hearing and Speech Research*

#### CONTACT

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## EDUCATION AND PROFESSIONAL HISTORY

### Education

- 2013                      PhD, Cognitive Psychology, *concentration in Neurobiology*  
The University of North Carolina at Chapel Hill  
Chapel Hill, NC
- 2011                      MA, Cognitive Psychology  
The University of North Carolina at Chapel Hill  
Chapel Hill, NC
- 2007                      MA, Cognitive & Neural Systems  
Boston University  
Boston, MA
- 2004                      BS, Biomedical Engineering, *minor in Philosophy*  
Boston University  
Boston, MA

### Employment / Professional Experience

#### University of South Florida, Department of Communication Sciences and Disorders

- 2023 –                      Assistant Professor (tenure track)
- 2021 – 2023                Associate Professor (research track)
- 2017 – 2021                Assistant Professor (research track)
- 2013 – 2017                Postdoctoral Fellow

#### University of South Florida, Department of Medical Engineering

- 2023 –                      Assistant Professor (affiliate)

#### University of North Carolina, Department of Otolaryngology / Head & Neck Surgery

- 2008 – 2013                Graduate Research Assistant

#### Boston University, Department of Cognitive & Neural Systems

- 2007 – 2008                Research Specialist

2004 – 2007 Graduate Research Assistant

**Boston University, Department of Biomedical Engineering**

2003 – 2004 Undergraduate Research Assistant

**USF Service / Courses / Other Duties**

***University Service***

2014 – 2015 USF Chapter of the National Postdoctoral Association, President

***College Service***

2020 *Ad hoc* Committee on Research Professor Career Track, Member

***Departmental Service***

2023 – PhD Admissions, Chair  
 2023 – AuD Program, Academic Advisor  
 2023 – AuD Faculty Committee, Member  
 2021 – PhD Faculty Committee, Member

***Graduate Courses***

2024 – SPA 4901: Research Methods in CSD  
 2024 – SPA 6340: Principles of Amplification I  
 2023 – SPA 5120: Psychoacoustics  
 2023 SPA 7332: Advanced Electrophysiology  
 2020 SPA 7931: Seminar in Advanced Psychoacoustics  
 2016 – SPA 7931: Computational Methods and Data Visualization Using MATLAB

***Guest Lectures***

2023 PSY 7099: EEG and ERP Methods  
 2016 SPA 7332: Advanced Electrophysiology

***Postdoctoral Mentorship***

2023 – Heesung Park, PhD  
 2022 – 2023 Dana Cherri, PhD

***Doctoral Supervisory / Thesis Committee / Project Supervisor***

<u>Year</u>	<u>Name</u>	<u>Role</u>	<u>Last known position/institution</u>
2023 –	Kayla Ardizzone	AuD project chair	Current trainee
2023 –	Marissa Campbell	AuD project chair	Current trainee
2023 –	Sarah Posner	AuD project chair	Current trainee
2022 – 2023	Brittney Mattingly	AuD project chair	Current trainee
2022 – 2023	Ryan Hildebrandt	AuD project chair	Current trainee
2022 – 2023	Hoonki Chun	AuD project chair	Current trainee
2022 –	Robert Budinsky	PhD chair	Current trainee
2021 – 2023	Angkana Lertpoompunya	PhD committee	Faculty, Mahidol University, Thailand
2020 – 2022	Dana Cherri	PhD committee	Eriksholm/DTU, Denmark
2020 – 2022	Jitpakorn Pichaitanaporn	PhD committee	Faculty, Mahidol University, Thailand
2018 – 2020	Sittiprapa Isarangura	PhD committee	Faculty, Mahidol University, Thailand
2019 – 2020	Madison Dyjak	AuD committee	Private practice, Tarpon Springs, FL

2017 – 2018	Samuel Bernhisel	AuD committee	Private practice, Marina, CA
2017 – 2018	Chelsea Montgomery	AuD committee	HearUSA, Bend, OR
2016 – 2017	Kelsey Harris	AuD committee	Private practice, Tampa, FL
2014 – 2016	Alicia Durkin	AuD committee	Private practice, Fort Mill, SC
2014 – 2016	Miller McInnis	AuD committee	Private practice, Port Orange, FL
2014 – 2016	Ioanna Tagarelli	AuD committee	Private practice, Sarasota, FL

## External Service / Awards / Other Courses

### External Service

#### *Professional Membership*

2015 –	The Acoustical Society of America (ASA), Member
2014 –	The American Association for the Advancement of Science (AAAS), Member
2014 – 2017	National Postdoctoral Association (NPA), Member
2006 –	The Association for Research in Otolaryngology (ARO), Member

#### *Society Leadership*

2020 –	Florida Chapter of the ASA, Secretary and Webmaster
2020 – 2023	ASA Technical Committee (P&P), Elected Member
2011 – 2013	The Student-Postdoc Chapter of ARO (spARO), Steering Committee

#### *Conference Service*

2022 –	International Hearing Aid Seminar (IHAS), Co-Chair and Co-Founder
2022 –	International Hearing Aid Conference (IHCON), Steering Committee
2020	The Acoustical Society of America Meeting, Session Moderator
2015, 2022	The Association for Research in Otolaryngology MidWinter Meeting, Session Moderator

#### *Editorial Board*

2021 –	<i>Frontiers</i> , Auditory Cognitive Neuroscience, Review Editor
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#### *Ad hoc Journal Review*

*Attention Perception & Psychophysics, Auditory Perception & Cognition, Ear and Hearing, Frontiers, Journal of the Acoustical Society of America, Journal of Communication Disorders, Journal of Neurophysiology, Journal of Speech Language and Hearing Research, Hearing Research, Nature, Scientific Reports*

#### *Ad hoc Grant Review*

2021	American Speech-Language-Hearing Foundation (ASHFoundation), GRRT
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#### **Awards**

2022	Travel Award, Acoustical Society of America Early Career Travel Subsidy
2021	Protégé Award, American Speech-Language-Hearing Association “Lessons for Success” Workshop
2019	Travel Award, Acoustical Society of America Early Career Travel Subsidy
2016	Travel Award, NSF Junior Investigator “Listening into 2030” Workshop
2015	Travel Award, Aging and Speech Communications Conference
2015	Travel Award, Association for Research in Otolaryngology Mid-Winter Meeting
2012	Scholarship, Graduate Tuition Incentive, University of North Carolina at Chapel Hill

**Other courses*****Undergraduate Courses***

2011 PSYC230: Introduction to Cognitive Psychology (UNC, Teaching Assistant)  
 2010 – 2012 PSYC270: Laboratory Research in Psychology (UNC, Lab Instructor)

**RESEARCH****Research Projects / Grants*****Active (6; direct costs indicated)***

NIH NIDCD, R01 DC020514, “Functional spatial segregation in auditory scene analysis,” PI: EJ Ozmeral, Co-Is: NC Higgins, C Secor, B Small (03/2023 – 02/2028; \$1,640,185)

NIH NIDCD, R01 DC019402, “Towards Precision Assessment of Dysphonic Speech: From Vocal Fold Physiology to Perception,” PI: D Deliyiski; Co-Is: S Anand, EJ Ozmeral et al. (07/2022 – 06/2027; subaward \$866,636)

Sonova AG, Industry contract, “Toward a more intelligent hearing system: making sense of the wearer’s head movements,” Co-PIs: EJ Ozmeral, DA Eddins (04/2019 – 04/2025; \$880,585)

NIH NIDCD, R21 DC017832, “A Multi-modal Streaming Approach to Understanding Aided Speech Perception in Noise: Discovering Relationships between Device Limitations, Perceptual Abilities, and Neuro-Modulation of Feature Coding,” PI: EJ Ozmeral (12/2019 – 11/2023; \$300,000)

***Completed (8)***

NIH NIDCD, R01 DC009029, “A Comprehensive Psychoacoustic Approach to Voice Quality Perception,” MPI: DA Eddins, R Shrivastav; Co-I: EJ Ozmeral et al. (03/2021 – 02/2026; \$3,075,045)

NIH NIDCD, R01 DC018008, “Pediatric Dysphonia: Multidisciplinary Advances to Improve Voice Quality Outcomes,” MPI: A de Alarcon, DA Eddins, R Shrivastav; Co-I: EJ Ozmeral et al. (06/2020 – 05/2025; \$2,326,580)

Bose Corp, Industry contract, “Self-management of hearing devices,” PI: DA Eddins; Co-I: EJ Ozmeral (5/2020 – 11/2020; \$49,601)

Bose Corp, Industry contract, “Bose device comparison 2.0,” PI: EJ Ozmeral; Co-I: DA Eddins (10/2019 – 3/2020; \$40,298)

USF CBCS, Internal grant, “Spatial tuning to speech in noise measured using electroencephalography,” PI: EJ Ozmeral (1/2019 – 12/2019; \$19,987)

Bose Corp, Industry contract, “Electroacoustic and quality assessment,” PI: DA Eddins; Co-I: EJ Ozmeral (9/2019 – 12/2019; \$27,870)

Bose Corp, Industry contract, “Sound quality comparison of Bose Hearphones and premium hearing aids,” PI: DA Eddins; Co-I: EJ Ozmeral (11/2018 – 7/2019; \$51,109)

Sonova AG, Industry contract, “Analysis and development supporting new generations of binaural hearing systems,” PI: DA Eddins; Co-I: EJ Ozmeral (3/2017 – 3/2019; \$201,212)

NIH NIDCD, F32 DC013724, “Behavioral and cortical signatures of reduced auditory spatial tuning with age,” PI: EJ Ozmeral (12/2013 – 11/2016; \$148,518)

NIH NIDCD, F31 DC012694, “Asynchronous glimpsing of speech in the hearing impaired,” PI: EJ Ozmeral (01/2013 – 12/2013; \$64,092)

***Pending or in review (1)***

NIH NIDCD, R01 DC021674, “Individual variability in speech-in-noise listening with hearing aid signal processing,” PI: VH Rallapalli; Co-I EJ Ozmeral (submitted 6/6/23; \$90,425 directs subaward)

***Not Funded as PI (1)***

NIH NIDCD, K99 DC016337, “Pattern classification of biological and environmental signals to support the signal processing and decision making required for brain-guided hearing instruments,” PI: EJ Ozmeral (11/2017; \$763,616, not discussed)

**Papers / Talks / Conference Abstracts**

**Peer-Reviewed Publications** (available for download at <http://eozmeral.myweb.usf.edu>)

1. Cherri, D., Eddins, D.A., & Ozmeral, E.J. (in review). Individual differences and auditory perceptual profiles among individuals with normal hearing and hearing loss.
2. Cherri, D. Ozmeral, E.J., Gallun, F.J., Seitz, A., & Eddins, D.A. (in review). Feasibility and efficacy of an abbreviated psychophysical and cognitive battery.
3. Higgins, N.C., Pupo, D., Ozmeral, E.J., & Eddins, D.A. (2023). Head movement and its relation to hearing. *Frontiers in Psychology*. 14:1183303.
4. Ozmeral, E.J. & Menon, K.N. (2023). Selective auditory attention modulates cortical responses to sound location change for speech in quiet and in babble. *PlosOne*. 18(1):e0268932
5. Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (2023). Aging alters across-hemisphere cortical dynamics during binaural temporal processing. *Frontiers in Neuroscience*. 16:1060172
6. Ozmeral, E.J. & Higgins, N.C. (2022). Defining functional spatial boundaries using a spatial release from masking task. *Journal of the Acoustical Society of America – Express Letters*. 2(12), 124402.
7. Park, Y., Anand, S., Ozmeral, E.J., Shrivastav, R., & Eddins, D.A. (2022). Predicting perceived vocal roughness using a bio-inspired computational model of auditory temporal envelope processing. *Journal of Speech, Language, and Hearing Research*. 65(8):2748-58.
8. Lertpoompunya, A., Ozmeral, E.J., Higgins, N.C., Eddins, A.C., & Eddins, D.A. (2022). Large individual differences in binaural sensitivity are represented in pre-attentive responses from auditory cortex. *Journal of Neurophysiology*. 127(3): 660-672
9. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (2021). Selective auditory attention modulates cortical responses to sound-location change in younger and older adults. *Journal of Neurophysiology*. 126(3), 803-815.
10. Yellamsetty, A.; Ozmeral., E.J., Budinsky, R.A. & Eddins, D.A. (2021). A comparison of environment classification among premium hearing instruments. *Trends in Hearing*. 25, 1-14.

11. Ozmeral, E.J., Hoover, E.C., Gabbidon, P., & Eddins, D.A. (2020). Development of the Continuous Number Identification Test (CNIT): Feasibility of dynamic assessment of speech intelligibility. *International Journal of Audiology*. 59(6), 434-442.
12. Isarangura, S., Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (2019). The effects of duration and level on spectral modulation perception. *Journal of Speech, Language, and Hearing Research*. 62(10), 3876-3886.
13. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (2019). Electrophysiological responses to lateral shifts are not consistent with opponent-channel processing of interaural level differences. *Journal of Neurophysiology*. 122(2), 737-748
14. Ozmeral, E.J., Eddins, A.C., & Eddins, D.A. (2018). How do age and hearing loss impact spectral envelope perception? *Journal of Speech, Language, and Hearing Research*. 61 (9), 2376-2385.
15. Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (2018). How aging impacts encoding of binaural cues and the perception of auditory space. *Hearing Research*. 369, 79-89.
16. Carlile, S., Ciccarelli, G., Cockburn, J., Diedesch, A., Finnegan, M., Hafter, E., Henin, S., Kalluri, S., Kell, A., Ozmeral, E.J., Roark, C., & Sagers, J. (2017). Listening into 2030 workshop: An experiment in envisioning the future of hearing and communication science. *Trends in Hearing*. 21, 1-11.
17. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (2016). Reduced temporal processing in older, normal-hearing listeners evident from electrophysiological responses to shifts in interaural time difference. *Journal of Neurophysiology*. 116, 2720-2729.
18. Ozmeral, E.J., Eddins, A.C., Frisina Sr., D.R., & Eddins, D.A. (2016). Large cross-sectional study of presbycusis reveals rapid progressive decline in auditory temporal acuity. *Neurobiology of Aging*, 43, 72-78.
19. Ozmeral, E.J., Buss, E., & Hall III, J.W. (2016). The effects of sensorineural hearing impairment on asynchronous glimpsing of speech. *PLoS ONE* 11(5):e0154920.
20. Hall III, J.W., Buss, E., Ozmeral, E.J., & Grose, J.H. (2016). The effect of noise fluctuation and spectral bandwidth on gap detection. *Journal of the Acoustical Society of America*, 139(4), 1601-1610.
21. Ozmeral, E.J., Buss, E., & Hall III, J.W. (2012). Asynchronous glimpsing of speech: Spread of masking and task set-size. *Journal of the Acoustical Society of America*, 132(2), 1152-1165.
22. Varghese, L., Ozmeral, E.J., Best, V., & Shinn-Cunningham, B.G. (2012). How visual cues for when to listen aid selective auditory attention. *Journal of the Association for Research in Otolaryngology*, 13(3), 359-368.
23. Best, V., Shinn-Cunningham, B.G., Ozmeral, E.J., & Kopčo, N. (2010). Exploring the benefit of auditory spatial continuity. *Journal of the Acoustical Society of America*, 127(6), EL258-EL264.
24. Dent, M., McClaine, E., Best, V., Ozmeral, E.J., Narayan, R., Sen, K., & Shinn-Cunningham, B.G. (2009). Spatial unmasking of birdsong in Zebra Finches (*Taeniopygia guttata*) and Budgerigars (*Melopsittacus undulatus*). *Journal of Comparative Psychology*, 123(4), 357-367.
25. Best, V., Ozmeral, E.J., Kopčo, N., & Shinn-Cunningham, B.G. (2008). Object continuity enhances selective auditory attention. *Proceedings of the National Academy of Sciences*, 105(35), 13174-13178.
26. Narayan, R., Best, V., Ozmeral, E.J., McClaine, E., Dent, M., Shinn-Cunningham, B.G., & Sen, K. (2007). Cortical interference effects in the cocktail party problem. *Nature Neuroscience*, 10(12), 1601-1607 (with supplementary material).

27. Best, V., Ozmeral, E.J., & Shinn-Cunningham, B.G. (2007). Visually guided attention enhances target identification in a complex auditory scene. *Journal of the Association for Research in Otolaryngology*, 8(2), 294-304.
28. Best, V., Ozmeral, E.J., Gallun, F., Sen, K., & Shinn-Cunningham, B.G. (2005). Spatial unmasking of birdsong in human listeners: Energetic and informational factors. *Journal of the Acoustical Society of America*, 118(6), 3766-3773.

### Refereed Conference Proceedings and Book Chapters

1. Cherri, D., Ozmeral, E.J., & Eddins, D.A. (2021). “Significance of the Portable Automated Rapid Test (PART) platform in quiet and in noise.” *Proceedings of Meetings on Acoustics*, 42, 050005.
2. Palandrani, K.N. & Ozmeral, E.J. (2019). “Auditory spatial tuning to moving speech in quiet or background babble measured in cortex.” *Proceedings of Meetings on Acoustics*, 36, 050001.
3. Shinn-Cunningham, B.G., Best, V., Dent, M.L., Gallun, F.J., McClaine, E., Narayan, R., Ozmeral, E.J., & Sen, K. (2006). “Behavioral and neural identification of birdsong under several masking conditions,” *Proceedings of the International Symposium on Hearing*, Cloppenberg, Germany, 164-170.
4. Shinn-Cunningham, B.G., Best, V., Dent, M.L., Gallun, F.J., McClaine, E., Narayan, R., Ozmeral, E.J., & Sen, K. (2006). “Behavioral and neural identification of birdsong under several masking conditions,” In *Hearing—From Sensory Processing to Perception*, B. Kollmeier, G. Klump, V. Hohmann, U. Langemann, M. Mauermann, S. Uppenkamp, & J. Verhey (eds.). Berlin: Springer Verlag, pp. 207-214.

### Invited Talks

1. Ozmeral, E.J. (February, 2023). Neural encoding of spatial changes in a speech stream. University of South Florida, Department of Psychology.
2. Ozmeral, E.J. (November, 2022). Neural encoding of spatial changes in a speech stream. University of Miami, Department of Biomedical Engineering.
3. Ozmeral, E.J. (October, 2022). Neural encoding of spatial changes in a speech stream. University of Maryland, Department of Hearing and Speech Sciences.

### Conference Abstracts (Talks)

1. Pichaitanaporn, J., Eddins, D.A., Ozmeral, E.J., Higgins, N.C., Secor, C.A., & Eddins, A.C. (December, 2023). “Perceptual and neural measures of spectral and temporal cue strength in speech perception.” Acoustical Society of America Meeting, Sydney, Australia.
2. Cherri, D. & Ozmeral, E.J. (August, 2023). “Effect of hearing aid directional processing on electrophysiological indices of auditory attention and their association with psychophysical measures.” International Symposium on Auditory and Audiological Research, Nyborg, Denmark.
3. Ozmeral, E.J. & Cherri, D. (August, 2022). “Effect of hearing aid directional processing on the neural encoding of spatial changes in a speech stream”. International Hearing Aid Conference, Tahoe City, CA.
4. Cherri, D., Ozmeral, E.J., & Eddins, D.A. (August, 2022). “Hearing aid benefit associated with individual auditory perceptual profiles through ecological momentary assessment”. International Hearing Aid Conference, Tahoe City, CA.

5. Higgins, N., Lertpoompunya, A., Ozmeral, E.J., & Eddins, D.A (August, 2022). "Performance of an automatic head-movement detector during multi-talker conversation with hearing aids." International Hearing Aid Conference, Tahoe City, CA.
6. Ozmeral, E.J. & Higgins, N. (May, 2022). "A novel paradigm to define functional spatial boundaries." Acoustical Society of America Meeting, Denver, CO.
7. Higgins, N., Ozmeral, E.J., Lertpoompunya, A., & Eddins, D.A. (February, 2022). "The dynamics of head movement during a digit detection and localization task. Association for Research in Otolaryngology Mid-Winter Meeting, Virtual.
8. Ozmeral, E.J. & Cherri, D. (February, 2021). "Effects of background babble on spatial-change tuning of speech in older adults." Association for Research in Otolaryngology Mid-Winter Meeting, Virtual.
9. Ozmeral, E.J., Palandrani, K.N., Eddins, D.A., & Eddins, A.C. (May, 2019). "Cortical effects on spatial tuning to speech in background babble." Acoustical Society of America Meeting, Louisville, KY.
10. Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (November, 2017). "Characterizing declines in spatial hearing with age using behavioral and neurophysiological measures." Aging and Speech Communications Conference, Tampa, FL.
11. Ozmeral, E.J., Berg, M., Eddins, D.A., & Eddins, A.C. (June, 2017). "Age-related cortical changes in spatial auditory attention." Acoustical Society of America Meeting, Boston, FL.
12. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (April, 2015). "The effect of age on the opponent-channel model of ITD processing." Acoustical Society of America Florida Chapter Meeting, Gainesville, FL.
13. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (February, 2015). "Are age-related changes in ITD coding due to changes in the binaural opponent-channel mechanism associated with down-regulation of neural inhibition?" Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.
14. Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (October, 2014). "Age-related declines in hemispheric asymmetry as revealed in the binaural interaction component." Acoustical Society of America Meeting, Indianapolis, IN.
15. Eddins, D.A., Ozmeral, E.J., & Eddins, A.C. (October, 2014). "Aging as a window into central auditory dysfunction: Combining behavioral and electrophysiological approaches." Acoustical Society of America Meeting, Indianapolis, IN.
16. Ozmeral, E.J., Buss, E., & Hall III, J.W. (July, 2012). "Asynchronous glimpsing of speech in normal and hearing-impaired listeners." Auditory System – Gordon Research Conference, Lewiston, ME.
17. Ozmeral, E.J., Best, V. & Shinn-Cunningham, B.G. (February, 2006). "Simple visual cues enhance the identification of target sounds in complex auditory scenes." Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD
18. Ozmeral, E.J., Best, V. & Shinn-Cunningham, B.G. (January, 2006). "Enhanced target identification in a complex auditory scene via visual cueing." Australian Neuroscience Society Annual Meeting, Sydney, Australia.

### **Conference Abstracts (Posters)**



19. Ozmeral, E.J., Higgins, N.C., & Chun, H. D. (December, 2023). “Lack of a clear head movement benefit in a spatial release form masking task.” Acoustical Society of America Meeting, Sydney, Australia.
20. Rallapalli, V. & Ozmeral, E.J. (December, 2023). “Do individual perceptual abilities affect speech recognition with spatial hearing aid processing?” Acoustical Society of America Meeting, Sydney, Australia.
21. Higgins, N.C., Ozmeral, E.J., Lertpoonpunya, A. & Eddins, D.A. (December, 2023). “Classification of head movements during multi-person conversation.” Acoustical Society of America Meeting, Sydney, Australia.
22. Lertpoonpunya, A., Higgins, N.C., Ozmeral, E.J., & Eddins, D.A. (December, 2023). “Head movement during natural group conversation and inter-annotator agreement on manual annotation.” Acoustical Society of America Meeting, Sydney, Australia.
23. Cherri, D. & Ozmeral, E.J. (May, 2023). “Psychophysical performance differences associated with auditory spatial attention in older listeners with and without hearing loss.” Acoustical Society of America Meeting, Chicago, IL.
24. Budinsky, R., Ozmeral, E.J., & Eddins, D.A. (May, 2023). “The impact of hearing aid user’s own voice on device signal processing.” Acoustical Society of America Meeting, Chicago, IL.
25. Higgins, N., Secor, C., & Ozmeral, E.J. (February, 2023). “Modulation of binaural cues reveals functional boundaries for auditory stream segregation.” Association for Research in Otolaryngology Mid-Winter Meeting, Orlando, FL.
26. Pichaitanaporn, J., Eddins, D.A., Ozmeral, E.J., Higgins, N., & Eddins, A.C. (February, 2023). “Age-related cortical markers of spectral and temporal envelope change detection.” Association for Research in Otolaryngology Mid-Winter Meeting, Orlando, FL.
27. Lertpoompunya, A., Ozmeral, E.J., Higgins, N., & Eddins, D.A. (February, 2023). “Understanding head orienting during live conversation through objective measures and manual annotation.” Association for Research in Otolaryngology Mid-Winter Meeting, Orlando, FL.
28. Cherri, D., Ozmeral, E.J., & Eddins, D.A. (February, 2023). “Ecological momentary assessment and environment-specific hearing aid benefit by auditory perceptual profile.” Association for Research in Otolaryngology Mid-Winter Meeting, Orlando, FL.
29. Budinsky, R., Higgins, N.C., Ozmeral, E.J., & Eddins, D.A. (August, 2022). Effects of mandibular motion for in-ear hearing devices. International Hearing Aid Conference, Tahoe City, CA.
30. Lertpoompunya, A., Higgins, N.C., Ozmeral, E.J., & Eddins, D.A. (August, 2022). Head orienting behavior when following a multi-talker conversation. International Hearing Aid Conference, Tahoe City, CA.
31. Ozmeral, E.J. & Cherri, D. (February, 2022). Effects of hearing aid directional processing on spatial-change tuning of speech in background babble. Association for Research in Otolaryngology Mid-Winter Meeting, Virtual.
32. Cherri, D., Eddins, D.A., & Ozmeral, E.J. (December, 2021). Individual perceptual profiles derived from automated psychophysical measures. Acoustical Society of America Meeting, Seattle, WA.

33. Cherri, D., Ozmeral, E.J., & Eddins, D.A. (December, 2020). Evaluating the impact of external noise on psychoacoustic testing using the portable automated rapid test (PART) platform. Acoustical Society of America Meeting, Virtual.
34. Lertpoompunya, A. Ozmeral, E.J., Higgins, N., Eddins, A.C., & Eddins, D.A., (December, 2020). “Neural correlates of extremely large individual differences in interaural cross-correlation detection”. Acoustical Society of America Meeting, Virtual.
35. Isarangura, S., Eddins, D.A., Ozmeral, E.J., Lutfi, R.A., & Eddins, A.C. (December, 2020). “Neural encoding and perceptual decision weights associated with attention to different acoustic spectral features.” Acoustical Society of America Meeting, Virtual.
36. Eddins, D.A., Ozmeral, E.J., Hoover, E.C., Palandrani, K.N., & Gallun, F.J., (December, 2020). “Spectral integration in temporal gap detection extends to maskers too.” Acoustical Society of America Meeting, Virtual.
37. Isarangura, S., Eddins, A.C., Ozmeral, E.J., & Eddins, D.A. (February, 2019). “The effects of duration and level on spectral modulation perception.” Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.
38. Hayes, D., Ozmeral, E.J., & Eddins, D.A. (August, 2018). “Benchmarking detection and classification in automatic hearing aids.” International Hearing Aid Conference (IHCON). Tahoe City, CA.
39. Ozmeral, E.J. & Eddins, D.A. (July, 2018). “Assessing adaptive directional hearing-aid systems using a novel speech-in-noise task and high-rate momentary data logging from premium aids.” Gordon Research Conference – Auditory System. Smithfield, RI.
40. Ozmeral, E.J., Berg, M., Eddins, D., & Eddins A.C. (March, 2017). “Aging alters attentional modulation of spatial processing in auditory cortex.” American Auditory Society Meeting, Scottsdale, AZ.
41. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (November, 2016). “Human electrophysiology of endogenous auditory spatial attention.” Acoustical Society of America Meeting, Honolulu, HI.
42. Hoover, E.C., Ozmeral, E.J., Gabbidon, P.A., & Eddins, D.A. (August, 2016). “A novel approach to behavioral assessment in dynamic acoustic environments.” International Hearing Aid Research Conference, Lake Tahoe, CA.
43. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (November, 2015). “Age-related differences in auditory cortical representations of spatial cues.” Acoustical Society of America Meeting, Jacksonville, FL.
44. Ozmeral, E.J., Eddins, D.A., & Eddins, A.C. (October, 2015). “Cortical dynamics associated with spatial coding change with age.” Aging and Speech Communications Conference, Bloomington, IN.
45. Durkin, A.M., Ozmeral, E.J., & Eddins, A.C. (September 2015). “Effects of age on the hemispheric distribution of interaural time difference (ITD) processing. North Carolina Speech, Hearing, and Language Association 2015 Fall Conference, Wilmington, NC.
46. Ozmeral, E.J., Buss, E., & Hall III, J.W. (February, 2013). “Asynchronous glimpsing of speech in natural and simulated hearing loss.” Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.

47. Hall III, J.W., Buss, E., Ozmeral, E.J. & Grose, J. (February, 2012). "Gap detection and noise fluctuation in normal and impaired hearing." Association for Research in Otolaryngology Mid-Winter Meeting, San Diego, CA.
48. Ozmeral, E.J., Buss, E. & Hall III, J.W. (February, 2011). "The role of upward spread of masking in the ability to benefit from asynchronous glimpsing of masked speech." Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.
49. Ozmeral, E.J., Best, V., McGuffin, C., Hurd, B., Kopco, N. & Shinn-Cunningham, B.G. (February, 2009). "Exploring how auditory spatial continuity enhances speech perception." Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.
50. Varghese, L., Ozmeral, E.J. & Shinn-Cunningham, B.G. (February, 2009). "Visual cues for when to listen improve signal identification most when target and masker are perceptually confusable." Association for Research in Otolaryngology Mid-Winter Meeting, Baltimore, MD.
51. Ozmeral, E.J., Best, V., McCoin, J. & Shinn-Cunningham, B.G. (July, 2008). "Across-ear grouping of speech bands in quiet and in the presence of interference." Acoustical Society of America Conference, Acoustics '08, Paris, France.
52. Ozmeral, E.J., Best, V., Kopco, N., Mason, C., Kidd, Jr., G. & Shinn-Cunningham, B.G. (February, 2008). "Dynamic aspects of auditory spatial attention." Association for Research in Otolaryngology Mid-Winter Meeting, Phoenix, AZ.
53. Ozmeral, E.J., Best, V. & Shinn-Cunningham, B.G. (July, 2007). "Target identification aided by simple visual cues in a complex auditory scene." Annual International Multisensory Research Forum, Sydney, Australia.
54. Dent, M.L., McClaine, E.M., Shinn-Cunningham, B.G., Best, V., Ozmeral, E.J., Narayan, R., Gallun, E. & Sen, K. (February, 2007). "Spatial unmasking of birdsong by budgerigars and zebra finches." Association for Research in Otolaryngology Mid-Winter Meeting, Denver, CO.
55. Ozmeral, E.J., Zutshi, P., Best, V. & Shinn-Cunningham, B.G. (November, 2006). "Spectrotemporal structure influences spatial release from informational masking in reverberant settings." Acoustical Society of America Conference, Honolulu, HI.
56. Dent, M.L., McClaine, E.M., Shinn-Cunningham, B.G., Best, V., Ozmeral, E.J., Gallun, E., Sen, K. & Narayan, R. (November, 2006). "An avian cocktail party: Masking and unmasking in birds." Acoustical Society of America Conference, Honolulu, HI.
57. Narayan, R., Best, V., Ozmeral, E.J., Shinn-Cunningham, B.G., & Sen, K. (November, 2005). "Neural discrimination of complex stimuli in the presence of masking sounds." Society for Neuroscience Annual Meeting, Washington, DC.
58. Ozmeral, E.J., Best, V., Gallun, F., Sen, K. & Shinn-Cunningham, B.G. (February, 2005). "Identifying a Bird in a Chorus: How Target and Masker Statistics Influence Spatial Unmasking." Association for Research in Otolaryngology Mid-Winter Meeting, New Orleans, LA.