

Erol James Ozmeral, Ph.D.*Assistant Professor, Department of Communication Sciences & Disorders**Director, Auditory Neurosciences & Technology Laboratory**Associate Director, Global Center for Hearing & Speech Research***Contact**

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Education

Ph.D.	2013	The University of North Carolina at Chapel Hill, Cognitive Psychology
M.A.	2011	The University of North Carolina at Chapel Hill, Cognitive Psychology
M.A.	2007	Boston University, Cognitive & Neural Systems
B.S.	2004	Boston University, Biomedical Engineering (minor in Philosophy)

Professional**Academic appointments**

Assistant Professor	Department of Communication Sciences & Disorders, University of South Florida	2023 –
Faculty Affiliate	Department of Medical Engineering, University of South Florida	2023 –
Asst./Assoc. Research Professor	Department of Communication Sciences & Disorders, University of South Florida	2017 – 2023
Postdoctoral Fellow	Department of Communication Sciences & Disorders, University of South Florida	2013 – 2017
Research Assistant	Department of Otolaryngology - Head & Neck Surgery, The University of North Carolina at Chapel Hill	2008 – 2013
Research Assistant	Department of Cognitive & Neural Systems, Boston University	2004 – 2007
Research Assistant	Department of Biomedical Engineering, Boston University	2003 – 2004

Editorial

Editorial Board, <i>Frontiers in Auditory Cognitive Neuroscience</i>	2021 –
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Research

Bibliometrics ([Google Scholar](#))

h-index:	12 (≥ 12 papers each cited ≥ 12 times)
i10-index:	15 (≥ 15 papers each cited ≥ 10 times)
Citations:	847
Cumulative grant funding:	>\$4.4M total (direct + indirect) as Principal Investigator

Grant Funding (only direct costs indicated)

Active

1. NIH NIDCD, R01 DC020514,
“Functional spatial segregation in auditory scene analysis,”
PI: EJ Ozmeral, Co-Is: NC Higgins, C Secor, B Small (03/23 – 02/28; \$1,640,185)
2. NIH NIDCD, R01 DC019402,
“Towards Precision Assessment of Dysphonic Speech: From Vocal Fold Physiology to Perception,”
PI: D Deliyski; Co-Is: S Anand, EJ Ozmeral et al. (07/22 – 06/27; subaward \$866,636)
3. Sonova AG, Industry contract,
“Toward a more intelligent hearing system: making sense of the wearer’s head movements,”
Co-PIs: EJ Ozmeral, DA Eddins (04/19 – 04/25; \$880,585)

Completed

1. NIH NIDCD, R21 DC017832,
“A Multi-modal Streaming Approach to Understanding Aided Speech Perception in Noise: Discovering Relationships btw. Device Limitations, Perceptual Abilities, and Neuro-Modulation of Feature Coding,”
PI: EJ Ozmeral (12/19 – 11/23; \$300,000)
2. NIH NIDCD, R01 DC009029,
“A Comprehensive Psychoacoustic Approach to Voice Quality Perception,”
MPI: DA Eddins, R Shrivastav; Co-I: EJ Ozmeral et al. (03/21 – 02/26; \$3,075,045)
3. 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. (06/20 – 05/25; \$2,326,580)
4. Bose Corp, Industry contract,
“Self-management of hearing devices,”
PI: DA Eddins; Co-I: EJ Ozmeral (5/20 – 11/20; \$49,601)
5. Bose Corp, Industry contract,
“Bose device comparison 2.0,”
PI: EJ Ozmeral; Co-I: DA Eddins (10/19 – 3/20; \$40,298)
6. USF CBCS, Internal grant,
“Spatial tuning to speech in noise measured using electroencephalography,”
PI: EJ Ozmeral (1/19 – 12/19; \$19,987)
7. Bose Corp, Industry contract,
“Electroacoustic and quality assessment,”
PI: DA Eddins; Co-I: EJ Ozmeral (9/19 – 12/19; \$27,870)

8. Bose Corp, Industry contract,
“Sound quality comparison of Bose Hearphones and premium hearing aids,”
PI: DA Eddins; Co-I: EJ Ozmeral (11/18 – 7/19; \$51,109)
9. Sonova AG, Industry contract,
“Analysis and development supporting new generations of binaural hearing systems,”
PI: DA Eddins; Co-I: EJ Ozmeral (3/17 – 3/19; \$201,212)
10. NIH NIDCD, F32 DC013724,
“Behavioral and cortical signatures of reduced auditory spatial tuning with age,”
PI: EJ Ozmeral (12/13 – 11/16; \$148,518)
11. NIH NIDCD, F31 DC012694,
“Asynchronous glimpsing of speech in the hearing impaired,”
PI: EJ Ozmeral (01/13 – 12/13; \$64,092)

Pending or in review

1. NIH NIDCD, R01 DC020514A3,
“Alzheimer’s Disease Supplement: Functional spatial segregation in auditory scene analysis,”
PI: EJ Ozmeral, Co-Is: NC Higgins, C Secor, VW Sanchez, & MO Fuentes (7/24 – 6/25; \$250,000)

Publications

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

1. Lertpoompunya, A, **Ozmeral, E.J.**, Higgins, N.C., & Eddins, D.A. (in review). Head-orienting behavioral during simultaneous speech detection and localization.
2. Cherri, D., Eddins, D.A., & **Ozmeral, E.J.** (in review). Individual differences and auditory perceptual profiles among individuals with normal hearing and hearing loss.
3. 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.
4. Higgins, N.C., Pupo, D., **Ozmeral, E.J.**, & Eddins, D.A. (2023). Head movement and its relation to hearing. *Frontiers in Psychology*. 14:1183303.
5. **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
6. 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
7. **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.
8. 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.
9. 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

10. **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.
11. 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.
12. **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.
13. 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.
14. **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
15. **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.
16. 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.
17. 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.
18. **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.
19. **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.
20. **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.
21. 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.
22. **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.
23. 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.
24. 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.
25. 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.
26. 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.

27. 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).
28. 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.
29. 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, Editorials, and Book Chapters

1. Ozmeral, E.J. & Higgins, N.C. (2023). "Editorial: Understanding the role of head and body movement when navigating a complex auditory system." *Frontiers Neuroscience*, 17:1340393.
2. 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.
3. 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.
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," *Proceedings of the International Symposium on Hearing*, Cloppenberg, Germany, 164-170.
5. 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., Lertpoompunya, A. & Eddins, D.A. (December, 2023). "Classification of head movements during multi-person conversation." Acoustical Society of America Meeting, Sydney, Australia.
22. Lertpoompunya, 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.

Teaching & Mentoring

Didactic courses

Graduate

University of South Florida

- SPA 6340 – Principles in Amplification I (Sp24)
- SPA 5120 – Psychoacoustics (Fa23)
- SPA 7332 – Advanced Electrophysiology (Sp23)
- SPA 7931 – Seminar in Advanced Auditory Perception (Fa20)
- SPA 7931 – Seminar in Computational Methods (Fa16, Su19, Su22)

Undergraduate

University of South Florida

- SPA 4901 – Research Methods in Communication Sciences & Disorders (Sp24)

University of North Carolina

- PSYC 230 – Introduction to Cognitive Psychology (Teaching Assistant)
- PSYC 270 – Laboratory Research in Psychology (Teaching Assistant)

Guest Lectures*University of South Florida*

PSY 7099 – EEG and ERP Methods (Fa23 for Geoff Potts)

SPA 7332 – Advanced Electrophysiology (Sp16 for Ann Eddins)

University of Maryland at College Park

HESP 700 – Hearing Aids I (Fa22 for Eric Hoover)

Mentoring, Postdocs

Heesung Park, Ph.D. 2023 – present

Dana Cherri, Ph.D. 2022 – 2023

Current position: USF Health Audiology

Mentoring, PhD students – major professor and dissertation chair

Claire Dorey, Au.D. University of South Florida 2024 –

Zenzele Thomas University of South Florida 2023 –

Robert Budinsky, Au.D. University of South Florida 2023 –

Ph.D. dissertation committees

Dimitri Brunelle University of South Florida 2024 –

Brianna Rodriguez University of South Florida 2023 –

Angkana Lertpoompunya University of South Florida 2021 – 2023

Dana Cherri University of South Florida 2020 – 2022

Jitpakorn Pichaitanaporn University of South Florida 2020 – 2022

Sittiprapa Isarangura University of South Florida 2018 – 2020

Mentoring, Au.D. student research projects – committee chair

Kayla Ardizzone University of South Florida 2023 – 2024

Marissa Campbell University of South Florida 2023 – 2024

Sarah Posner University of South Florida 2023 – 2024

Brittney Mattingly University of South Florida 2022 – 2023

Ryan Hildebrandt University of South Florida 2022 – 2023

Hoonki Chun University of South Florida 2022 – 2023

Recognition**Awards & Honors**

Travel Award, Acoustical Society of America Early Career Travel Subsidy 2022

Protégé Award, American Speech-Language-Hearing Association “Lessons for Success” Workshop 2021

Travel Award, Acoustical Society of America Early Career Travel Subsidy 2019

Travel Award, NSF Junior Investigator “Listening into 2030” Workshop 2016

Travel Award, Aging and Speech Communications Conference 2015

Travel Award, Association for Research in Otolaryngology Mid-Winter Meeting 2015

Scholarship, Graduate Tuition Incentive, University of North Carolina at Chapel Hill 2012

Service & Outreach**International**

HearAI Sydney ‘23, Co-Organizer and Moderator (Sydney, Australia) 2023

National

International Hearing Aid Seminar (IHAS), Senior Advisor	2024
International Hearing Aid Seminar (IHAS), Co-Chair and Co-Founder	2022
International Hearing Aid Conference (IHCON), Steering Committee	2022
ARO MidWinter Meeting, Session Moderator	2022
ASA Meeting, Session Moderator	2020
ASA Technical Committee (P&P), Elected Member	2020 – pres.
ARO MidWinter Meeting, Session Moderator	2015
The Student-Postdoc Chapter of ARO (spARO), Steering Committee	2011 – 2013

State

Florida Chapter of the ASA, Secretary and Webmaster	2020 – 2023
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Institutional**University**

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

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

Ph.D. Admissions, Chair	2023 – pres.
Au.D. Program, Academic Advisor	2023 – pres.
Au.D. Faculty Committee, Member	2023 – pres.
Ph.D. Faculty Committee, Member	2021 – pres.

Review of manuscripts (ad hoc)

Attention Perception & Psychophysics	Auditory Perception & Cognition
Ear and Hearing	Frontiers in Auditory Cognitive Neuroscience
Journal of the Acoustical Society of America	Frontiers in Psychology
Journal of Communication Disorders	Frontiers in Neuroscience
Journal of Neurophysiology	Journal of Speech Language and Hearing Research
Hearing Research	Nature
Scientific Reports	PloS One

Review of grants

National Institutes of Health (NIH), AUD study section (ad hoc)	2024
American Speech-Language-Hearing Foundation (ASHFoundation), GRRT	2021

Professional society memberships

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