

CURRICULUM VITAE

Eric C. Hoover

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Academic Appointments

2018-present *University of Maryland*
Department of Hearing and Speech Sciences
Assistant Professor

Education

2015-2018 *University of South Florida*
Postdoctoral Fellow
Advisor: David Eddins, Ph.D. CCC-A
Co-Advisor: Ann Eddins, Ph.D. CCC-A

2009-2014 *Northwestern University*
Ph.D., Communication Sciences and Disorders
Advisor: Pamela Souza, Ph.D. CCC-A
Co-Advisor: Frederick Gallun, Ph.D.
Committee Member: Jonathan Siegel, Ph.D.

2006-2009 *University of Washington*
Clinical coursework in Audiology

2005-2006 *Arizona State University*
Baccalaureate coursework in Speech and Hearing Sciences

1998-2002 *University of California, San Diego*
B.A., Interdisciplinary Computing and the Arts, Music

Research Experience

2015-2018 Postdoctoral Fellow, Auditory & Speech Sciences Laboratory
University of South Florida
Supervisor: David Eddins, Ph.D. CCC-A

2006-2014 Research Assistant, Hearing Aid Laboratory
Northwestern University & University of Washington
Supervisor: Pamela Souza, Ph.D. CCC-A

2008 Research Trainee, Portland VA Medical Center
National Center for Rehabilitative Auditory Research (NCRAR)
Supervisor: Frederick Gallun, Ph.D.

2005-2006

Research Assistant, Cochlear Implant Laboratory
Arizona State University

Supervisors: Michael Dorman, Ph.D. & Anthony Spahr, Ph.D.

Publications

Peer-reviewed Manuscripts

Palandrani, K.N., **Hoover, E.C.**, Stavropoulos, T., Seitz, A., Isarangura, S., Gallun, F.J., & Eddins, D.A. (in press). Temporal integration of monaural and dichotic frequency modulation. *The Journal of the Acoustical Society of America*.

Hoover, E.C. (2021). A three-step pattern in audiometric thresholds. *JASA Express Letters*, 1(3), 034402. <https://doi.org/10.1121/10.0003781>

Stavropoulos, T., Isarangura, S., **Hoover, E.C.**, Eddins, D.E., Seitz, A., & Gallun, F.J. (2021). Exponential spectro-temporal modulation. *The Journal of the Acoustical Society of America*, 149(3), 1434-1443. <https://doi.org/10.1121/10.0003604>

Lelo de Larrea-Mancera, E.S., Stavropoulos, T., **Hoover, E.C.**, Eddins, D.E., Gallun, F.J., & Seitz, A. (2020). Portable Automated Rapid Testing (PART) for auditory assessment: Validation in a young adult normal-hearing population. *The Journal of the Acoustical Society of America*, 148(4), 1831-1851. <https://doi.org/10.1121/10.0002108>

Ozmeral, E.J., **Hoover, E.C.**, Wasserman, L., 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. [doi:10.1080/14992027.2020.1718782](https://doi.org/10.1080/14992027.2020.1718782)

Hoover, E.C., Kinney, B., Bell, K., Gallun, F.J., & Eddins, D.A. (2019). A comparison of behavioral methods for indexing the auditory processing of temporal fine structure cues. *Journal of Speech, Language, and Hearing Research*, 62(6), 2018-2034. https://dx.doi.org/10.1044/2019_JSLHR-H-18-0217

Souza, P.E. & **Hoover, E.C.** (2018). The physiologic and psychophysical consequences of severe to profound hearing loss. *Seminars in Hearing*, 39 (4), 349-363. <https://dx.doi.org/10.1055/s-0038-1670698>

Hoover, E.C., Eddins, A.C., Eddins, D.A. (2018). Distribution of spectral modulation transfer functions in a young, normal-hearing population. *The Journal of the Acoustical Society of America*. 143(1), 306-309. <https://dx.doi.org/10.1121/1.5020787>

Souza, P.E., **Hoover, E.C.**, Blackburn, M., & Gallun, F.J. (2017). The characteristics of adults with severe hearing loss. *Journal of the American Academy of Audiology*, 29(8), 764-779. [doi:10.3766/jaaa.17050](https://doi.org/10.3766/jaaa.17050)

Hoover, E.C., Souza, P.E., & Gallun, F.J. (2017). Auditory and cognitive factors associated with speech-in-noise complaints following mild traumatic brain injury. *Journal of the American Academy of Audiology*, 28 (4), 325-339. [doi:10.3766/jaaa.16051](https://doi.org/10.3766/jaaa.16051)

Hoover, E.C., Souza, P.E., & Pasquesi, L.A. (2015). Comparison of clinical and traditional gap detection tests. *Journal of the American Academy of Audiology*, 26, 540-546. <https://doi.org/10.3766/jaaa.14088>

Hoover, E. C., Souza, P. E., & Gallun, F. J. (2015). Competing views on abnormal auditory results after mild traumatic brain injury. *SIG 6 Perspectives on Hearing and Hearing Disorders: Research and Diagnostics*, 19 (1), 12-21. <https://doi.org/10.1044/hhd19.1.12>

Hoover, E.C., Souza, P.E., & Gallun, F.J. (2012). The consonant-weighted Envelope Difference Index (cEDI): a proposed technique for quantifying envelope distortion. *Journal of Speech, Language, and Hearing Research*, 55 (6), 1802-1806. [https://doi.org/10.1044/1092-4388\(2012/11-0255\)](https://doi.org/10.1044/1092-4388(2012/11-0255))

Souza, P. E., **Hoover, E.C., & Gallun, F.J.** (2012). Application of the Envelope Difference Index to spectrally-sparse speech. *Journal of Speech, Language, and Hearing Research*, 55 (3), 824-837. [https://doi.org/10.1044/1092-4388\(2011/10-0301\)](https://doi.org/10.1044/1092-4388(2011/10-0301))

Proceedings Papers

Peng, Z. E., et al. [24 other authors]. (2021). Remote testing for psychological and physiological acoustics: Initial report of the P&P Task Force on Remote Testing. *Proceedings of Meetings in Acoustics 179ASA*, 42, 050009. <https://doi.org/10.1121/2.0001409>

Isarangura, S., Palandrani, K.N., Stavropoulos, T., Seitz, A., **Hoover, E.C., Gallun, F.J., & Eddins, D.A.** (2019). Methods for expressing spectral modulation depth and the effects of modulator shape on spectral modulation detection thresholds. *Proceedings of Meetings in Acoustics 177ASA*, 36, 050003. <https://doi.org/10.1121/2.0001032>

Gallun, F.J., et al. [17 other authors] (2018). Development and validation of Portable Automated Rapid Testing (PART) measures for auditory research. *Proceedings of Meetings in Acoustics 175ASA*, 33, 050002. <https://dx.doi.org/10.1121/2.0000878>

Hoover, E.C., Souza, P.E., & Gallun, F.J. (2014). Relationship between amplitude modulation in psychophysical tasks and speech in listeners with normal and impaired hearing. *Proceedings of Meetings in Acoustics 161ASA*, 12, 050009. <https://doi.org/10.1121/1.4863159>

Preprints

Hoover, E.C. (2020). A three-step pattern in audiometric thresholds. PsyArXive. [doi:10.31219/osf.io/w762q](https://doi.org/10.31219/osf.io/w762q)

Palandrani, K.N., **Hoover, E.C., Stavropoulos, T., Seitz, A., Isarangura, S., Gallun, F.J., & Eddins, D.A.** (2020). Temporal integration of monaural and dichotic frequency modulation. PsyArXive. [doi:10.31234/osf.io/269gp](https://doi.org/10.31234/osf.io/269gp)

Lelo de Larrea-Mancera, E.S., Stavropoulos, T., **Hoover, E.C., Eddins, D.E., Gallun, F.J., & Seitz, A.** (2020). Portable Automated Rapid Testing (PART) for auditory assessment: Validation in a young adult normal-hearing population. bioRxiv. [doi:10.1101/2020.01.08.899088](https://doi.org/10.1101/2020.01.08.899088)

Published Abstracts

Hoover, E. C. (2021). A framework for the analysis and optimization of adaptive psychophysical procedures. *The Journal of the Acoustical Society of America*, 149, A104. <https://doi.org/10.1121/10.0004653>

Stecker, G.C., ... [24 other authors]. (2020). Remote testing for psychological and physiological acoustics: initial report of the ASA P&P Task Force of Remote Testing. *The Journal of the Acoustical Society of America*, 148, 2713. <https://doi.org/10.1121/1.5147519>

Eddins, D.A., Ozmeral, E.J., **Hoover, E.C., Palandrani, K.N., Gallun, F.J.** (2020). Spectral integration of temporal gap detection extends to maskers too. *The Journal of the Acoustical Society of America*,

148, 2463. <https://doi.org/10.1121/1.5146804>

- Hoover, E. C.** & Palandrani, K. N. (2020 - *cancelled*). Biased sampling of Markov states explains fluctuating error in tracking procedures. *The Journal of the Acoustical Society of America*.
- Hoover, E. C.**, Gallun, F. J., & Eddins, D. A. (2019). Challenging standard practices in adaptive psychophysics. *The Journal of the Acoustical Society of America*, 145(3), 1758-1758.
- Hoover, E. C.**, Anderson, S. B., Goupell, M., & Gordon-Salant, S. (2019). Graduate programs at the University of Maryland. *The Journal of the Acoustical Society of America*, 145(3), 1705-1705.
- Isarangura, S., Palandrani, K., Stavropoulos, T., Seitz, A., **Hoover, E. C.**, Gallun, F. J., & Eddins, D. A. (2019). The effects of modulator shape and methods for expressing modulation depth on spectral modulation detection thresholds. *The Journal of the Acoustical Society of America*, 145(3), 1722-1722.
- Lelo de Larrea Mancera, E. S., Stavropoulos, T., Gallun, F. J., Eddins, D. A., **Hoover, E. C.**, & Seitz, A. (2019). Portable psychoacoustics with passive and active noise-attenuating headphones. *The Journal of the Acoustical Society of America*, 145(3), 1877-1877.
- Palandrani, K.N., **Hoover, E.C.**, Gallun, F.J., Eddins, D.A. (2019). The effects of duration on monaural and binaural temporal fine structure coding. Association for Research in Otolaryngology 42nd MidWinter Meeting. Baltimore, MD, February.
- Hoover, E.C.**, Bell, K.L., Behrens, T., & Eddins, D.A. (2018). Blinded comparison of premium hearing aids and personal sound amplification products. International Hearing Aid Research Conference. Lake Tahoe, CA, August.
- Gallun, F.J., Seitz, A., Eddins, D.A., Molis, M.R., Stavropoulos, T., Jakien, K., Kampel, S., Diedesch, A.C., **Hoover, E.C.**, Bell, K. & Souza, P. (2018). Portable Automated Rapid Testing (PART) measures for auditory research. *The Journal of the Acoustical Society of America*, 143(3), 1814-1815.
- Bell, K.L., **Hoover, E.C.**, Eddins, D.A. (2018). Stimulated amplification for listeners with normal hearing sensitivity. American Auditory Society. Scottsdale, AZ, March.
- Isarangura, S., **Hoover, E.C.**, Gallun, F.J., Eddins, D.A. (2018). Spectro-temporal modulation detection across multiple stimulus generation methods. American Auditory Society. Scottsdale, AZ, March.
- Hoover, E.C.**, Diedesch, A.C., Gallun, F.J., Eddins, D.A. (2017). Comparison of scoring methods for spatial release from masking for speech based on analysis of psychometric function slope. *J. Acoust. Soc. Am.* 142(4) 2676-2677.
- Gallun, F.J., Seitz, A., Stavropoulos, T., Eddins, D.A., **Hoover, E.C.**, Gordon, S. (2017). Development and validation of a portable platform for auditory testing. *J. Acoust. Soc. Am.* 142(4), 2610-2611.
- Eddins, D.A., **Hoover, E.C.**, & Eddins, A.C. (2017). Distribution of spectral modulation functions in a young, normal-hearing population. *J. Acoust. Soc. Am.* 142(4), 2676-2676.
- Hoover, E.C.**, Kinney, B.N., Gallun, F.J., & Eddins, D.A. (2017). Perceptual evidence for two stages of temporal fine structure sensitivity: monaural and binaural. *Aging and Speech Communication*. Tampa, FL, October.
- Shapiro, M., Clavier, O., **Hoover, E.C.**, Eddins, D.A. (2017). Hear Well: A Mobile Application for Auditory Training and Tinnitus Management. National Center for Rehabilitative Auditory Research (NCRAR) Biennial Conference. Portland, OR, October.
- Gallun, F.J., Gordon, S., Stavropoulos, T., Seitz, A., **Hoover, E.C.**, Eddins, D.A. (2017). Evaluation of

- the Apple iPad as a platform for psychoacoustic research. Games for Change. New York, NY, July.
- Hoover, E.C.**, Gallun, F.J., Eddins, D.A., Diedesch, A. (2017). Psychometric properties of the modified Hughson-Westlake technique. American Auditory Society. Scottsdale, AZ, March.
- Hoover, E.C.**, Ozmerol, E.J., Gabbidon, P.E., & Eddins, D.A. (2016). A novel approach to behavioral assessment in dynamic acoustic environments. International Hearing Aid Research Conference (IHCON). Lake Tahoe, CA, August.
- Hoover, E.C.**, Blackburn, M.C., & Souza, P.E. (2015). Fast frequency selectivity measures in listeners with severe hearing loss. *J. Acoust. Soc. Am.* 137(4), 2230-2230.
- Hoover, E.C.**, Souza, P.E., & Gallun, F.J. (2014). Degraded temporal processing after traumatic brain injury. *J. Acoust. Soc. Am.* 135(4), 2166-2166.
- Hoover, E.C.**, Souza, P.E., & Gallun, F.J. (2014). Objective confirmation of auditory complaints after traumatic brain injury. American Academy of Audiology. Orlando, FL, March.
- Blackburn, M., Souza, P.E., Gallun, F.J., & **Hoover, E.C.** (2014). Clinical recommendations for measuring speech in noise in adults with hearing loss. American Academy of Audiology. Orlando, FL, March.
- Blackburn, M., Souza, P.E., Gallun, F.J., & **Hoover, E.C.** (2014). Characterizing severe hearing loss. American Auditory Society. Scottsdale, AZ, March.
- Hoover, E.C.**, Pasquesi, L., & Souza, P.E. (2013). Comparison of clinical and traditional temporal resolution tests. American Speech, Language, & Hearing Association. Chicago, IL, November.
- Gallun, F.J., **Hoover, E.C.**, Sabin, A., & Souza, P.E. (2012). Acoustical analyses of high-frequency modulation in vocoded speech. American Auditory Society. Scottsdale, AZ, March.
- Hoover, E.C.**, Souza, P.E., & Gallun, F.J. (2011). A role for modulation sensitivity in age related declines in speech understanding? Aging and Speech Communication. Bloomington, IN, October.
- Souza, P.E., Arehart, K.H., Kates, J.M., Croghan, N., Gehani, N., Muralinohar, R., & **Hoover, E.C.** (2011). Age, hearing loss and cognition: Susceptibility to hearing aid distortion. Aging and Speech Communication. Bloomington, IN, October.
- Hoover, E.C.**, Souza, P.E., & Gallun, F.J. (2011). Relationship between amplitude modulation in psychophysical tasks and speech in listeners with normal and impaired hearing. *J. Acoust. Soc. Am.* 129, 2655.
- Souza, P.E., Arehart, K.H., Kates, J.M., Kumar, R.M., Croghan, N., & **Hoover, E.C.** (2011). Effects of frequency compression on the intelligibility and quality of speech in noise. *J. Acoust. Soc. Am.* 129, 2655.
- Hoover, E.C.**, Souza, P.E., & Gallun, F.J., (2011). Modulation frequency discrimination and high-rate modulations in spectrally reduced speech. American Auditory Society. Scottsdale, AZ, March.
- Souza, P.E., Meredith, M., & **Hoover, E.C.** (2011). Recognition of child, male and female speech with simulated electro-acoustic hearing. American Auditory Society. Scottsdale, AZ, March.
- Arehart, K.H., Souza, P.E., Kates, J.M., Muralinohar, R., Croghan, N., & **Hoover, E.C.** (2011). Effects of age and cognition on perception of frequency-compressed speech. American Auditory Society. Scottsdale, AZ, March.
- Gallun, F.J., Souza, P.E., & **Hoover, E.C.** (2010). Evaluating hearing aid processing with an auditory model of modulation sensitivity. *J. Acoust. Soc. Am.* 127, 1848.

- Souza, P.E., **Hoover, E.C.**, Gallun, F.J., & Brennan, M. (2010). Assessing envelope distortion in clinically-fit hearing aids. International Hearing Aid Research Conference (IHCON). Lake Tahoe, CA, August.
- Souza, P.E., Gallun, F.J., & **Hoover, E.C.** (2009). A comparison of modulation indices for describing amplitude-compressed speech. *J. Acoust. Soc. Am.* 125, 2527.
- Souza, P.E., **Hoover, E.C.**, & Gallun, F.J. (2009). Consonant feature transmission in spectrally reduced and amplitude-compressed speech. American Auditory Society. Scottsdale, AZ, March.
- Hoover, E.C.**, Gallun, F.J., & Souza, P.E. (2008). Evaluating strobed temporal integration as a model of temporal processing using spectrally reduced speech. American Auditory Society. Scottsdale, AZ, March.

Invited Talks

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| 2019 | Assistive hearing technology. 5 th Annual Auditory & Vestibular Translational Research Day, Baltimore, MD. November, 18, 2019. |
| 2019 | Translating laboratory psychoacoustics tasks into efficient clinical tools. James Madison University Ruth Symposium in Audiology and Hearing Science, Harrisonburg, VA. October, 5, 2019. |
| 2019 | Co-leader, Mentoring Session: Job Search & Independence. Association for Research in Otolaryngology 42 nd MidWinter Meeting, Baltimore, MD, February 9, 2019. |
| 2019 | Onset subordination in dichotic frequency modulation detection. Mid-Atlantic Symposium on Hearing (MASH) Conference, College Park, MD, February 7, 2019. |
| 2016 | Suprathreshold Auditory Deficits Associated with Traumatic Brain Injury and Concussion. Annual Convention of the New Jersey Speech-Language and Hearing Association, Long Branch, NJ. April 15, 2016. |

Grants, Funding

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| 2021 <i>submitted</i> | NIH NIDCD R01
Objective measurement of hearing aid benefit
P.I. Anderson, S.
Role: Co-Investigator |
| 2021-2026 | NIH NIDCD T32 (Competitive Renewal)
Comparative and Evolutionary Biology of Hearing
P.I. Carr, C., Gordon-Salant, S.
Role: Core Faculty |
| 2020-2021 | Teaching Innovation Grant – UMD
Proposal to redesign Hearing and Speech Sciences audiology courses
P.I. Anderson, S., Hoover, E.C., Gordon-Salant, S.
Role: Principle Investigator
Total Funding: \$19,320 |

2020-2021	Brain and Behavior Initiative Seed Grant Program – UMD Competing values in hearing healthcare service delivery P.I. Hoover, E.C., Shilton, K. Role: Principle Investigator Total Funding: \$59,106
2020-2021	NIH Loan Repayment Program Award (Competitive Renewal) P.I. Hoover, E.C. Total Funding: \$50,000
2020 <i>submitted</i>	NIH NIDCD R01 Objective measurement of hearing aid benefit P.I. Anderson, S. Role: Co-Investigator
2018-2020	NIH Loan Repayment Program Award P.I. Hoover, E.C. Total Funding: \$70,000
2016-2021	NIH NIDCD R01 (Translational) DC015051 Efficient diagnostic tools to evaluate central auditory dysfunction P.I. Gallun, F.J., Eddins, D.A., Seitz, A.R. Roles: Postdoctoral Researcher, Consultant Total Funding: \$452,302
2016-2018	DoD Defense Health Program SBIR Phase II W81XWH-15-C-0027 Mobile application for aural rehabilitation P.I. Clavier, O. Creare, LLC, sub-award to Eddins, D.A. Role: Postdoctoral Researcher Total Funding: \$149,988
2015 <i>submitted</i>	NIH NIDCD F32 Psychoacoustic, neural, and cognitive bases of supra-threshold deficits after TBI Role: Principle Investigator
2013 <i>submitted</i>	NIH NIDCD F31 Theoretical approach to hearing rehabilitation after traumatic brain injury Role: Principle Investigator
2009-2015	NIH NIDCD R01 DC006014 Acoustic and perceptual effects of WDRC amplification P.I. Souza, P.E. Role: Graduate Research Assistant Total Funding: \$1,339,835 <i>during period</i>
2009 <i>submitted</i>	NIH NIDCD F31 Consequences of envelope correlation due to hearing aid compression Role: Principle Investigator

Teaching

2019-ongoing	Instructor, HESP 710 <i>Occupational and Environmental Noise Problems</i>
2019-ongoing	Instructor, HESP 701 <i>Hearing Aids II</i>
2019-ongoing	Instructor, HESP 413 <i>Aural Habilitation and Rehabilitation</i>
2018-ongoing	Instructor, HESP 700 <i>Hearing Aids I</i>
2017, 2018	Guest Lecture, <i>Principles of Amplification I</i>
2016	Guest Lecture, <i>Computational Methods and Data Visualization in MATLAB</i>
2015	Instructor, <i>Quantitative Problem Solving in SLP & Audiology</i>
2011, 2012	Mentored Teaching, <i>Evaluation and Use of Amplification Systems</i> Collaborated on syllabus development; lecture and lab instruction; student clinical skills evaluation.
2012	Teaching Assistant, <i>Acoustic Phonetics</i> Developed a new clinical lab section including syllabus, course materials, and lectures; instructed labs and guest-lectured.
2010	Teaching Assistant, <i>Electrophysiology of the Human Auditory System</i>
2010	Teaching Assistant, <i>Human Communication Disorders</i>
2009	Teaching Assistant, <i>Evaluation of Peripheral Hearing Mechanism</i>

Mentorship

Ph.D. Dissertation

2019 Katherine Palandrani, Ph.D. (in progress).

Ph.D. Committee Member

2019 Mary Barrett, Ph.D. (in progress).

Au.D. Capstone Research

2022 Michelle Hoon-Starr, Au.D. (in progress).

2022 Kelly Brown, Au.D. (in progress). *Primary mentor Nirmal Srinivasan, Towson University.*

2022 Kayla Coleman, Au.D. (in progress). *Primary mentor Nirmal Srinivasan, Towson University.*

2021 Katelyn Dubois, Au.D. (in progress). The role of the masker in cognitive hearing science.

2021 Rachel Moldenhauer, Au.D. (in progress). Using objective metrics to quantify and predict nonlinear hearing aid behavior.

2021 Janet Kim, Au.D. (in progress). Normative psychoacoustic data in older adults using Portable Automated Rapid Testing (PART) iPad application. *Primary mentor Nirmal Srinivasan at Towson University.*

2020 Taylor Bakal, Au.D. Head shadow, summation, and squelch in bilateral cochlear implant users with synchronized automatic gain controls. *Primary mentor Matthew Goupell.*

- 2017 Lauren Fessler, Au.D. Evaluation of an app-based aural rehabilitation tool for tinnitus and difficulty understanding speech in noise. *Co-mentored with David Eddins.*
- 2016 Brianna Kinney, Au.D. TomFoolery and Shenanigans – evaluation of potential clinical measures of temporal fine structure processing. *Co-mentored with David Eddins.*
- 2016 Patricia Gabbidon, Au.D. Evaluation of the Continuous Number Identification Test. *Co-mentored with David Eddins.*
- 2013 Lauren Pasquesi, Au.D. Temporal processing and compression release time in older listeners. *Co-mentored with Pamela Souza.*
- 2011 Gabriela Mari, Au.D. Time-efficient spectral resolution measures in older listeners with hearing loss. *Co-mentored with Pamela Souza.*
- 2010 Alexandra Dykhouse, Au.D. Using a temporal index to predict speech recognition. *Co-mentored with Pamela Souza.*

Undergraduate Honors Thesis

- 2008 Marcee Wickline, B.S. Relationship between envelope distortion and recognition of compressed speech. *Co-mentored with Pamela Souza.*

Clinical Experience

- 2009-2014 Research Audiology Extern - *part-time*
Northwestern University
Preceptor: Pamela Souza, Ph.D. CCC-A
- 2006-2009 Audiology Student Clinician
University of Washington
Program Director: Richard Folsom, Ph.D. CCC-A

Awards & Scholarships

- 2017 Early Career Travel Subsidy. Acoustical Society of America.
- 2016 Student Scholarship. International Hearing Aid Research Conference.
- 2013-2014 Kenneth R. Rearwin Scholarship. School of Communication, Northwestern University.
- 2008 Student Travel Award, American Auditory Society's 35th Annual Science and Technology Conference.
- 2007 National Institutes of Health T35 Traineeship. Mentored research supervised by Frederick J. Gallun at the National Center for Rehabilitative Auditory Research (NCRAR), VA Medical Center, Portland, OR.

Professional Service

Reviewing Activities for Journals and Presses

2021-present	Ad hoc reviewer for <i>JASA Express Letters</i>
2020-present	Ad hoc reviewer for <i>American Journal of Audiology</i>
2020-present	Ad hoc reviewer for <i>Hearing Research</i>
2020-present	Ad hoc reviewer for <i>Attention, Perception, & Psychophysics</i>
2019-2020	Member, Editorial Board for <i>Journal of Speech, Language, and Hearing Research</i>
2017	Session chair 174 th Meeting of the Acoustical Society of America
2018-present	Ad hoc reviewer for <i>PLOS One</i>
2018-present	Ad hoc reviewer for <i>Journal of Speech, Language, and Hearing Research</i>
2015-present	Ad hoc reviewer for <i>Ear and Hearing</i>
2014-present	Ad hoc reviewer for <i>The Journal of the Acoustical Society of America</i>

Reviewing Activities for Agencies and Foundations

2019	Reviewer, Administration for Community Living, National Institute on Disability, Independent Living, and Rehabilitation Research, RERC
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Committees, Campus Service

2021	Member, HESP Ad hoc Committee on Mentorship
2021	Member, HESP Ad hoc Committee on Student Pay Levels
2019-present	Member, UMD Faculty Senate
2019-present	Member, UMD Committee on Programs, Curricula, and Courses
2018-present	Coordinator, HESP Seminar Series
2018-present	Member, HESP Audiology Sub-Committee
2018-present	Member, HESP Teaching and Recognition Committee

Hearing Health Service

2015	Hearing screening, Special Olympics Florida
2013	Aural rehabilitation course instructor, Presbyterian Homes
2007-2011	Sound level measurement and dosimetry, provision of hearing protective devices at various events for children and adults
2006, 2007	Hearing screening, Special Olympics Washington Healthy Athletes
2005	Hearing screening, Arizona Children's Health Fair

Software Development

2005-present	Ad hoc research software development. <i>MATLAB, Pure Data.</i>
2005	ASU Test Utility. Project coordinator, lead designer. <i>Visual Basic</i>