

CURRICULUM VITAE

Erin Margaret Picou

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E-mail (personal): erin.m.picou@gmail.com

Education

Vanderbilt University: Graduate School, Ph.D., August 2011, Hearing and Speech Sciences
Vanderbilt University: Medical School, Au.D., May 2007, Audiology
Middle Tennessee State University: College of Liberal Arts, B.S., May 2003, Communication Disorders

Certifications

American Academy of Audiology, Fellow, 2013 – present
American Speech-Language-Hearing Association, Certificate of Clinical Competence (A), 2007
- present

Employment

Vanderbilt University Medical Center
Associate Professor, 2021 - Present

Vanderbilt University Graduate School
Associate Professor, 2021 - Present

Vanderbilt University Medical Center
Assistant Professor, 2020 – 2021

Vanderbilt University Graduate School
Assistant Professor, 2020 - 2021

Hearing and Affect Perception Interest Laboratory, Vanderbilt University Medical Center
Director, 2018 - Present

Vanderbilt University Graduate School
Research Assistant Professor, 2017 – 2020

Vanderbilt University School of Medicine
Research Assistant Professor, 2011 - 2020

Dan Maddox Hearing Aid Research Laboratory, Vanderbilt University Medical Center
Laboratory Manager, 2011 - 2018

Dan Maddox Hearing Aid Research Laboratory, Vanderbilt University Medical Center
Research Audiologist, 2007 – 2011

Veteran's Health Administration, Tennessee Valley Healthcare System
Geriatric Research Education and Clinical Center Audiology Trainee, 2006 – 2007

Dan Maddox Hearing Aid Research Laboratory, Vanderbilt University Medical Center
Research Assistant, 2004 – 2006

Professional Activities

Extramural (Service)

AuD Program Reviewer

University of Texas – Dallas, 2023

American Academy of Audiology, Writing Committee

Guidelines for the management of adults with hearing loss, 2022 – 2023

International Hearing Aid Conference (IHCON)

Technical Co-chair, 2024 meeting

NIH NIDCD T35 training grant

Preceptor, 2021 - Present

Educational Test Services, Audiology Praxis Exam

Question writer, 2020 - 2023

Audiology Practice Standards Organization (APSO)

Hearing aid fitting standard (pediatrics), Member, 2021 - 2022

Hearing aid fitting standard (adults), Member, 2020 - 2021

ASHA Progeny

Mentor, 2020

AAA 2020 Research Podiums and Student Research Forum Subcommittee

Member, 2019 – 2020

American Academy of Audiology, Academy Research Conference working group

Member, 2016

Siemens Hearing

Statistical Consultant, 2014 - 2017

American Academy of Audiology, Research Committee

Member, 2014 - 2017

American Academy of Audiology, Clinical, Research and Teaching Posters Sub-Committee

Member, 2013

Lippincott, Williams & Wilkins, The Hearing Journal

Statistical Consultant, 2009 – 2011

Extramural (Editorial)

Seminars in Hearing

Guest editor, special issue on listening effort, 2021 - 2023

American Journal of Audiology

Editor in chief, 2023 - 2025

Editor, 2020 – 2022

Editorial board member, 2017 - 2020

Ear and Hearing

Section Editor (Amplification), 2017 – present

Associate Section Editor, 2016 – 2017

Guest Editor, 2015 – 2016

Assistant Section Editor (Amplification), 2011 – 2015

Extramural (Ad hoc Reviewer)

IEEE Transactions on Broadcasting, 2022-Present
International Journal of Psychology, 2022 - Present
Journal of Agricultural Safety and Health, 2022 - Present
Disability and Rehabilitation: Assistive Technology, 2022 - Present
Heliyon, 2022 - Present
Cognitive Research: Principles and Implications, 2021 - Present
Frontiers in Neuroscience, 2021 - Present
Audiology & Neurotology, 2020 – Present
Journal of Communication Disorders, 2020 - Present
International Journal of Clinical Practice, 2020 - Present
SAGE Open Medicine, 2019 - Present
Journal of Experimental Psychology: Learning, Memory, and Cognition, 2019 - Present
Journal of Cognitive Psychology, 2018 - Present
Psychonomic Bulletin & Review, 2018 – Present
Logopedics Phoniatrics Vocology, 2017 – Present
Building Acoustics, 2017 - Present
International Journal of Speech-Language Pathology, 2016 - Present
Clinical Linguistics & Phonetics, 2016 - Present
International Archives of Otorhinolaryngology, 2016 - Present
Canadian Journal of Speech-Language Pathology and Audiology, 2015 - Present
The American Journal of Audiology, 2014 - Present
Journal of Speech-Language, Hearing Research, 2014 - Present
International Journal of Audiology, 2014 - Present
Hearing Research, 2014 - Present
Sensors, 2014 - Present
Journal of the Acoustical Society of America, 2013 - Present
Journal of the American Academy of Audiology, 2012 - Present
Ear and Hearing, 2011 - Present

Intramural

Vanderbilt Undergraduate Summer Research Program (VUSRP)
Application reviewer, 2021-2023
Pathways to Career Advancement Board, Department of Hearing and Speech Sciences
Member, 2019 - 2022
AuD Curriculum Committee
Member, 2018 - Present
Center for Teaching Blended and Online Learning Design (BOLD)
Mentor, 2016 – 2018
Vanderbilt University DHSS Admissions Committee (AuD & SLP)
Reviewer, 2012 – Present
Vanderbilt Hands-On Hearing Aid Workshop, Vanderbilt University Medical Center
Station Leader, 2009 – 2010
National Center for Childhood Deafness and Family Communication, Vanderbilt University
Student Clinician, 2006
Veteran's Health Administration, Tennessee Valley Healthcare System

Student Clinician, 2004 - 2006
 Odess Otolaryngology Head & Neck Surgery Clinic, Vanderbilt University Medical Center
 Student Clinician, 2004 - 2006
 Middle Tennessee State University Speech and Hearing Clinic
 Student Clinician, 2003 – 2004
 National Student Speech Language Hearing Association
 Member, 2000 - 2007
 Middle Tennessee State University Communication Disorders Club
 Member, 2000 - 2003

Awards & Scholarships

Professional Awards

2021 Outstanding reviewer award, *International Journal of Audiology*
 2017 Award for excellence in research: Assistive and amplification technologies
 (awarded by the American Academy of Audiology at the AudiologyNow
 Convention, Indianapolis IN for the poster titled “The effects of advanced
 microphone array technologies on word recognition and listening effort”)
 2017 Selected as a participant in the ASH Foundation’s Lessons for Success
 Conference designed for young professionals with the significant potential to be
 successful programmatic researchers
 2013 - 2015 Advancing Academic Research Career Award Recipient (Anne Marie Tharpe &
 Todd Ricketts mentors)
 2012 – 2013 ASHA Leadership Development Program Graduate
 2010 NIH Travel Scholarship (ARC, San Diego CA)
 2008 NIH Mentored Student Award (AAS, Scottsdale AZ)
 2007- 2011 U.S. Department of Education Trainee, Vanderbilt University
 2006-2007 Honors Placement of 4th year externship, Vanderbilt University
 2003-2007 U.S. Department of Education Trainee, Vanderbilt University
 2003 Honors College Graduate (with distinction), Middle Tennessee State University
 2003 Summa Cum Laude Graduate, Middle Tennessee State University
 1999-2003 Tennessee Presidential Scholar, Middle Tennessee State University

Supported Student Awards

2023 Publication Award in the Department of Hearing and Speech Sciences (Haiping
 Huang - Huang, H., Ricketts, T.A., Hornsby, B.W.Y., & Picou, E.M. (2022).
 Effects of critical distance and reverberation on listening effort for adults. *Journal
 of Speech, Language, Hearing Research*, 65, 4837-4851)
 2023 Ralph Ohde and Wes Grantham award for excellence in research in the
 Department of Hearing and Speech Sciences (Ling Zhong)
 2023 Mentor for American Auditory Society NIH mentored study award (Ling Zhong –
 “Benefits of text supplementation with and without videos”)
 2023 Mentor for Capstone Award “The effects of filtering, congruence, and blocking
 on emotional responses to non-speech auditory and auditory-visual stimuli
 (awarded by the Department of Hearing and Speech Sciences to Laura White)
 2022 Mentor for American Auditory Society NIH mentored student award (Haiping
 Huang – “Effects of critical distance and reverberation on listening effort”)

2018 Mentor for Capstone Award: “The acoustic factors related to emotional response to sounds” (awarded by the Department of Hearing and Speech Sciences to Maureen Virts)

Publications

Refereed Journals

- Davis, H., Tang, L.A., **Picou, E.M.**, Bastarache, L., & Tharpe, A.M. (in review). The use of electronic health records for phenotyping school-age children with unilateral hearing loss. *Journal of Speech-Language Hearing Research*
- Picou, E.M.**, Morgan, S., Young, E.D., & Gustafson, S.J. (in review). Measurement of emotional responses to non-speech sounds: Effects of stimulus duration and amplitude-scaling approach. *International Journal of Audiology*
- Brigham, N., Thompson, E.C., **Picou, E.M.**, Davis, H., & Tharpe, A.M. (in review) Pediatric hearing aid daily wear time is significantly impacted by clinician-family language discordance. *American Journal of Audiology*
- Murphy, C.E., Roberts, R.A., **Picou, E.M.**, Jacobson, G.P., & Green, A.P. (in review). Probabilities of isolated and co-occurring vestibular disorders derived from Dizziness Symptom Profile (DSP) data. *Ear and Hearing*
- Thompson, E., Feldman, J.I., Valle, A., Davis, H., Keceli-Kaysili, B., Dunham, D., Woynaroski, T., Tharpe, A.M., & **Picou, E.M.** (in press) A comparison of listening skills of autistic and non-autistic youth while using and not using remote microphone systems, *Journal of Speech-Language Hearing Research*
- Folkerts, M.L, **Picou, E.M.**, & Stecker, G.C. (2023). Spectral weighting functions for localization of complex sound. II. The effect of competing noise. *Journal of the Acoustical Society of America*, 154, 494 – 501.
- Kolberg, C., Roberts, R.A., Watford, K.E., **Picou, E.M.** & Corcoran, K. (2023) Long-term effects of intervention on vestibular migraine: A preliminary study. *Annals of Otolology, Rhinology & Laryngology*
- Zhong, L., Ricketts, T.A., Roberts, R.A. & **Picou, E.M.** (2023). Benefits of text supplementation of speech with and without facial cues for adults with normal hearing. *Ear and Hearing*, 44, 682 - 696
- Bannon, L., **Picou, E.M.**, Bailey, A., & Manchaiah, V. (2023). Consumer survey of hearing aid benefit and satisfaction. *Journal of Speech, Language, and Hearing Research*, 66, 1410-1427
- Huang, H., Oosthuizen, Il., & **Picou, E.M.** (2023) Dual-task paradigm measures of listening effort: to include or not include secondary task responses with incorrect primary task responses. *Seminars in Hearing*, 44, 155-165
- Picou, E. M.**, McAlexander, S., Day, B., Jirik, K., Morrison, A., & Tharpe, A. M. (2023). An evaluation of newborn hearing screening brochures and parental understanding of screening result terminology. *International Journal of Audiology*, 62, 541- 551.
- Piker, E. G., **Picou, E. M.**, Coltisor, A., & Jacobson, G. P. (2022). Agreement between caloric and horizontal vHIT testing in school-aged children presenting with dizziness or imbalance. *American Journal of Audiology*, 31, 299-304

- Huang, H., Ricketts, T.A., Hornsby, B.W.Y., & **Picou, E.M.** (2022). Effects of critical distance and reverberation on listening effort for adults. *Journal of Speech, Language, Hearing Research*, 65, 4837-4851
- Tawdrous, M., D'Onofrio, K., Gifford, R. & **Picou, E.M.** (2022) Emotional responses to non-speech sounds for hearing-aid and bimodal cochlear-implant listeners. *Trends in Hearing*, 26, 1- 17
- Weber, L., Kwok, P., Wendl, C., **Picou, E.M.**, Bohr, C., & Marcum, S. (2022). Die Vermessung der Cochlea mittels eines Tablet-basierten Softwarepaketes: Der Einfluss der Bildgebungsmodalität und des Untersucherhintergrundes, [Measuring the cochlea using a tablet-based software package: influence of imaging modality and rater background], *HNO*, 70, 769-777
- Picou, E. M.**, Roberts, R. A., Angley, G., & Ricketts, T. A. (2022). Applying the hearing aid fitting standard to selection for adults. *Seminars in Hearing*, 43, 66-78
- Picou, E.M.** (2022). Hearing aid benefit and satisfaction in the MarkeTrak2022 survey: Importance of hearing healthcare providers and hearing aid features. *Seminars in Hearing*, 43, 301-316
- Ricketts, T.A. & **Picou, E.M.** (2022) Symmetrical and asymmetrical directional benefits are present for talkers at the front and side *International Journal of Audiology*, 1, 177-186
- Bean, B., Roberts, R.A., **Picou, E.M.**, Angley, G. & Edwards, A. (2022). Automated audiometry in quiet and simulated exam room noise for listeners with normal hearing and impaired hearing. *Journal of the American Academy of Audiology*, 33, 6-13
- Zhong, L., Marcum, S.C., Noud, B., Pruitt, H. & **Picou, E.M.** (2022) The effects of text supplementation on speech intelligibility: A systematic review with implications for telecommunication. *International Journal of Audiology*, 61, 1-11
- Feldman, J., Thompson, E.C., Davis, H. Keceli-Kaysili, B., Dunham, K. Woynaroski, T., Tharpe, A.M. & **Picou, E.M.** (2022) Remote microphone systems can improve listening-in-noise accuracy and listening effort for youth with autism. *Ear and Hearing*, 43, 436-447
- Roberts, R.A., Watford, K.E., **Picou, E.M.**, Hatton, K., Trone, T.H. & Brignola, E.Y. (2021) Effects of lifestyle modification on vestibular migraine. *Otology & Neurotology*, 42, e1537 - 1543
- Picou, E.M.**, Rakita, L., Buono, G.H. & Moore, T.M. (2021). Effects of increasing the overall level or fitting hearing aids on emotional responses to sounds. *Trends in Hearing*, 25, 1-13
- Picou, E.M.**, Singh, G., & Russo, F. (2022). A comparison between remote testing and a laboratory test setting for evaluating emotional responses to non-speech sounds *International Journal of Audiology*, 61, 799-808
- Manchaiah, V., **Picou, E.M.**, Bailey, A. & Rodrigo, H. (2021) Consumer ratings of the most desirable hearing aid attributes *Journal of the American Academy of Audiology*, 32, 537-546
- Marcum, S.C., **Picou, E.M.**, & Stefans, T. (2021). Activating noise-gating algorithm and personalizing T levels improves speech recognition of low-level speech for adults with cochlear implants *Ear and Hearing*, 42, 1208-1217
- Oosthuizen, I., **Picou, E.M.**, Pottas, L., Myburgh, H.C. & Swanepoel, D. (2021). Listening effort in children with normal hearing and limited useable hearing unilaterally. *American Journal of Audiology*, 30, 309-324

- Buono, G.H., Crukley, J., Hornsby BWY, & **Picou, E.M.** (2021). Loss of high-or low-frequency audibility can partially explain effects of hearing loss on emotional responses to non-speech sounds. *Hearing Research*, 401, article: 108153
- Oosthuizen, I., **Picou, E.M.**, Pottas, L., Myburgh, H., & Swanepoel, D.W. (2021). Listening effort in school-aged children with limited useable hearing unilaterally: Examining the effects of a personal, digital RM system and a CROS system. *Trends in Hearing*, 25
- Gustafson, S.J., Ricketts, T.A., & **Picou, E.M.** (2021). Individual differences offer insight into clinical recommendations for directional and remote microphone technology use in children. *Journal of Speech-Language Hearing Research*, 64, 635-650
- Marcum, SC, Höfle, E., **Picou, E.M.**, Steffens, T., Kummer, P., & Kwok, P. (2021). A clinical comparison of DPOAE fine structure reduction methods. *International Journal of Audiology*, 60, 191-201
- Moore, T.M., **Picou, E.M.**, Hornsby, B.W.Y, Gallun, E.J., & Stecker, G.C. (2020). Binaural spatial adaptation as a mechanism for asymmetric trading of interaural time and level differences. *Journal of the Acoustical Society of America*, 148, 526-541
- Marcum, S.C., **Picou, E.M.**, Steffens, T. Hannemann, R., Langguth, B., & Schlee, W. (2020) Conventional versus notch filter amplification for the treatment of tinnitus in adults with mild-to-moderate hearing loss. *Progress in Brain Research*, 260, 235-252
- Picou, E.M.**, Davis, H., Lewis, D., & Tharpe, A.M. (2020). Contralateral routing of signal systems can improve speech recognition and comprehension in dynamic classrooms. *Journal of Speech-Language, Hearing Research*, 63 (7), 2468-2482
- Oosthuizen, I., **Picou, E.M.**, Pottas, L., Myburgh, H.C. & Swanepoel, D. (2020). Listening effort in native and non-native English-speaking children using low linguistic single- and dual-task paradigms, *Journal of Speech-Language, Hearing Research*, 63, 1979-1989
- Picou, E.M.**, Lewis, D., Angley, G. & Tharpe, A.M. (2020). Rerouting hearing aid systems for overcoming simulated unilateral hearing in dynamic listening situations. *Ear and Hearing*, 41, 790 - 803
- Picou, E.M.** (2020). MarkeTrak 10 (MT10) survey results demonstrate high satisfaction with and benefits from hearing aids. *Seminars in Hearing*, 41, 21 - 36
- Picou, E.M.**, Davis, H. & Tharpe, A.M. (2020). Considerations for choosing microphone technologies for students with limited useable hearing unilaterally. *Language, Speech, Hearing Services in Schools*, 51, 74 – 81.
- Ricketts, T.A. **Picou, E.M.**, Shehorn, J., & Dittberner, A. (2019). Degree of hearing loss affects bilateral hearing aid benefits in ecologically relevant laboratory conditions. *Journal of Speech Language Hearing Research*, 62, 3834-3850
- Picou, E.M.**, Bean, B., Marcum, S.C., Ricketts, T.A., & Hornsby, B.W.Y. (2019). Moderate reverberation does not affect behavioral listening effort, subjective listening effort, or self-reported fatigue in school-aged children with normal hearing. *Frontiers in Psychology*, 10
- Kreitmayer, C., Marcum, S.C., **Picou, E.M.**, Steffens, T., & Kummer, P. (2019). Subclinical conductive hearing loss significantly reduces otoacoustic emission amplitude: Implications for test performance. *International Journal of Pediatric Otorhinolaryngology*, 123, 195-201
- Picou, E.M.** & Ricketts, T.A. (2019). An evaluation of hearing aid beamforming microphone arrays in a noisy laboratory setting. *Journal of the American Academy of Audiology*, 31, 131 - 144

- Picou, E.M.** & Buono, G.H. (2018). Emotional responses to pleasant sounds are related to social disconnectedness and perceived isolation independent of hearing loss. *Trends in Hearing*, 22, 1 – 15.
- Picou, E.M.**, Singh, G., Goy, H., Russo, F.A., Oxenham, A.J., Hickson, L., Buono, G., Ricketts, T.A., & Launer, S. (2018). Hearing, Emotion, Amplification, and Training (HEART) consensus: A consensus on the current understanding of hearing loss and emotion perception in audiology. *Trends in Hearing*, 22, 1 - 24
- Marcum, S.C., **Picou, E.M.**, Bohr, C. & Steffans, T. (2018). Feedback reduction system influence on additional gain before feedback and maximum stable gain in open-fitted hearing aids. *International Journal of Audiology*, 57(10), 737-745.
- Moore, T.M. & **Picou, E.M.** (2018). A potential bias in subjective ratings of mental effort. *Journal of Speech-Language Hearing Research*, 61, 2405 - 2421
- Picou, E.M.** & Ricketts, T.A. (2017). The relationship between speech recognition, behavioral listening effort, and subjective ratings. *International Journal of Audiology*, 57, 457 – 467.
- Picou, E.M.** & Ricketts, T.A. (2017). How directional microphones affect speech recognition, listening effort and localization for listeners with moderate-to-severe hearing loss. *International Journal of Audiology*, 56, 909 – 918
- Picou, E.M.**, Charles, L.M., & Ricketts, T.A. (2017). Child–adult differences in using dual-task paradigms to measure listening effort. *American Journal of Audiology*, 26, 143 - 154
- Ricketts, T.A, **Picou, E.M.**, & Galster, J.A., (2017). Directional microphone hearing aids in school environments: Working toward optimization, *Journal of Speech, Language, and Hearing Research*, 60, 263 - 275
- Picou, E.M.**, Moore, T.M., & Ricketts, T.A. (2017). The effects of directional processing on objective and subjective listening effort. *Journal of Speech, Language, and Hearing Research*, 60, 199 - 211
- Marcum, S., **Picou, E.M.**, & Steffens, T. (2017). Avoiding disconnection: An evaluation of telephone options for patients with cochlear implants. *International Journal of Audiology*, 56, 186 - 193
- Picou, E.M.** (2016). How hearing loss and age affect emotional responses to non-speech sounds. *Journal of Speech, Language and Hearing Research*, 59, 1233 - 1246
- Holder, J, **Picou, E.M.**, Gruenwald, J. & Ricketts, T.A. (2016). Do modern hearing aids meet ANSI standards? *Journal of the American Academy of Audiology*, 27, 619 - 627
- Picou, E.M.**, Gordon, J. & Ricketts, T.A. (2016). The effects of noise and reverberation on listening effort for adults with normal hearing. *Ear and Hearing*, 37, 1 – 13.
- Picou, E.M.**, Marcum, S., & Ricketts, T.A. (2015). Evaluation of the effects of nonlinear frequency compression on speech recognition and sound quality for adults with mild to moderate hearing loss *International Journal of Audiology*, 54 (3), 162-169
- Aspell, E., **Picou, E.M.**, & Ricketts, T.A. (2014). Directional benefit is present with audiovisual stimuli: Limiting ceiling effects. *Journal of American Academy of Audiology*, 25, 666-675
- Picou, E.M.** & Ricketts, T.A. (2014). The effect of changing the secondary task in a dual-task paradigm for measuring listening effort, *Ear and Hearing*, 35, 611-622
- Picou, E.M.**, & Ricketts, T.A. (2014). Increasing motivation changes subjective reports of listening effort and choice of coping strategy. *International Journal of Audiology*, 53, 418 - 426

- Picou, E.M.** & Ricketts, T.A. (2014). Potential benefits and limitations of three types of directional processing in hearing aids. *Ear and Hearing*, 35, 339 - 352
- Ricketts, T.A., & **Picou, E.M.** (2013). Speech recognition for bilaterally asymmetric and symmetric hearing aid microphone modes in simulated classroom environments. *Ear and Hearing*, 34, 601 – 609.
- Picou, E.M.**, Ricketts, T.A., & Hornsby, B.W.Y. (2013). How hearing aids, background noise, and visual cues influence listening effort. *Ear and Hearing*, 34, e52 – e64.
- Picou, E.M.**, & Ricketts, T.A., (2013). Efficacy of hearing-aid based telephone strategies for listeners with moderate-to-severe hearing loss. *Journal of the American Academy of Audiology*, 24, 59-79.
- Picou, E.M.**, Ricketts, T.A., & Hornsby, B.W.Y. (2011). Visual cues and listening effort: Individual variability. *Journal of Speech, Language, and Hearing Research*, 54, 1416 - 1430
- Hornsby, B.W.Y., Johnson, E.E., & **Picou, E.M.** (2011). Effects of degree and configuration of hearing loss on the contribution of high- and low-frequency speech information to bilateral speech understanding. *Ear and Hearing*, 32, 543-555.
- Picou, E.M.** & Ricketts, T.A. (2011). Comparison of wireless and acoustic hearing-aid based telephone listening strategies. *Ear and Hearing*, 32, 209-220.

Invited Publications

- Picou, E.M.** (2023) Preface: Listening Effort Methodologies: Challenges and Future Directions. *Seminars in Hearing*
- Ricketts, T.A. & **Picou, E.M.** (2023) OTCs are only partly the answer. *Audiology Today*
- Picou, E.M.** (2016). Acoustic factors related to emotional responses to sound. *Canadian Acoustics Journal*, 44, 126 – 127.
- Picou, E.M.** & Tharpe, A.M. (2015). Standardized patients: Potential to improve student training in aural rehabilitation. *SIG 8 Perspectives on Public Health Issues Related to Hearing and Balance*, 16, 4 – 14.
- Federman, J. & **Picou, E.M.** (2009). Music and hearing protection: A call to action. *Perspectives on Audiology*, 5, 3-9.

Other Publications

- Picou, E.M.** (2023). Narrative review of intervention options for adults with unilateral hearing loss. *Canadian Academy of Audiology*
- Picou, E.M.** (2022). 20Q: Newborn hearing screening brochures: Changes are needed. *AudiologyOnline*. Available at www.audiologyonline.com
- Mueller, H.G., Coverstone, J., Galster, J., Jorgensen, L., & **Picou, E.** (2021). 20Q: The new hearing aid fitting standard - A roundtable discussion. *AudiologyOnline*, Article 27938 Available at www.audiologyonline.com
- Picou, E.M.** (May 2021). 20Q: Amplification considerations for unilateral hearing loss — A case for CROS. Available at www.audiologyonline.com
- Vercammen, C., Ferguson, M., Kramer, S., Meis, M., Singh, G., Timmer, B., Gagne, J-P, Goy, H., Hickson, L., Holube, I. Launer, S., Lemke, U., Naylor, G., **Picou, E.**, Scherpeit, S., Weinstein, B., Pelosi, A. (2020). A Phonak position statement about why hearing healthcare is vital for healthy living. *The Hearing Review*

- Picou, E.M.** (2018). Prescriptive fitting methods for hearing aids. *Audiology Treatment* (3rd edition). Jason Galster, editor. Thieme: New York.
- Picou, E.M.,** Buono, G.H. & Virts, M.L. (May 2017). Can hearing aids affect emotional responses to sound? *The Hearing Journal*, 70(5), 14,16
- Picou, E.M.,** & Ricketts, T.A. (August 2014). Better Hearing in the Classroom: Directional microphone hearing aids children: Lessons from school environments. *ADVANCE for Audiologists and Speech-Language Pathologists*
- Picou, E.M.** (March 2014). App-titude: Smartphones as Remote Controls-for Hearing Aids. *The ASHA Leader*, 19, 38-39
- Ricketts, T.A., **Picou, E.M.,** & Tharpe, A.M. (2014). Amplification selection for children with hearing impairment. In Bluestone, C. (ed) *Pediatric Otolaryngology*, 5th edition.
- Picou, E.M.** (August 2013). 20Q: Listening effort - we know it's a problem but how do you measure it? AudiologyOnline, Article 12032.
- Ricketts, T.A., **Picou, E.M.,** Galster, J.A., Federman, J., & Sladen, D.P. (2010). Potential for directional hearing aid benefit in classrooms: Field data. In *A Sound Foundation Through Early Amplification 2010: Proceedings of the Fifth International Conference*. Seewald R.C. & Bamford J.M. eds. Phonak AG: Chicago.
- Mueller, HG & **Picou, E.M.** (2010). Survey examines popularity of real-ear probe-microphone measures. *Hearing Journal*, 63(5), 27-28, 30, 32

Presentations

Invited

- Picou, E.M.** (June 2023). Bridging the gap between over-the-counter and hearing care professional service delivery models: The importance of the provider. Hearing Aid Developers Forum (Oldenburg, Germany)
- Picou, E.M.** (June 2023). Unmet needs: What do large-scale population surveys tell us? Hearing Aid Developers Forum (Oldenburg, Germany)
- Picou, E.M.** (May 2023). Effects of audible bandwidth and stimulus modality on emotional responses to sound. Acoustical Society of America (Chicago, IL)
- Picou, E.M.** (February 2023). Innovation summit: Clinical practice insights from large-scale databases of consumer ratings about hearing aids. AudiologyOnline (Virtual Presentation)
- Picou, E.M.** & Huang, H. (August 2022). Signia Expert Series: What did they say? Improving television listening for adults with hearing loss. AudiologyOnline (Virtual Presentation)
- Picou, E.M.** (June 2022) Listening effort and hearing loss: What do you need to know? International Federation of Otorhino-Laryngological Societies. Vancouver, British Columbia. <<Conference cancelled>>
- Picou, E.M.** (February 2022) Optimizing hearing aid settings for emotional responses to sounds: What works? 53rd Annual Convention of the Indian Speech and Hearing Association (Virtual Conference)
- Picou, E.M.** & Ricketts, T.A. (February 2022). Vanderbilt Audiology Journal Club: Hearing Aid Technology for Practicing Audiologists. AudiologyOnline (Virtual Presentation)
- Picou, E.M.** (November 2021) What's in the new adult hearing aid fitting standard? A review of the evidence. AudiologyOnline. Virtual Presentation.

- Picou, E.M.** (October 2021) Listening effort and hearing aid satisfaction: A play in two acts. Arkansas Speech-Language Hearing Association Meeting. Little Rock, AR (Virtual Presentation)
- Picou, E.M.** (September 2021). Hearing aid satisfaction and listening effort: Separate but related concepts. Mississippi Speech-Language Hearing Association Meeting. Jackson, MS (Virtual Presentation)
- Picou, E.M.** (June 2021). Signia Expert Series: Managing unilateral hearing loss: How can CROS systems help? AudiologyOnline. Virtual Presentation.
- Picou, E.M.** (June 2021). Listening effort in school-aged children: There's nothing mild about mild hearing loss. Speech-Language & Audiology Canada. Virtual Conference.
- Picou, E.M.** (March 2021). Listening effort in school-aged children: Implications for mild hearing loss. Children's Hospital of Philadelphia Conference: There's nothing mild about mild hearing loss. Virtual Conference
- Picou, E.M. & Ricketts, T.A.** (March 2021). Vanderbilt Audiology Journal Club: Hearing aid research for practicing audiologists. AudiologyOnline. Virtual Presentation
- Picou, E.M.** (December 2020). Emotion and hearing loss: How to maximize emotional responses to sounds for adults with hearing loss. Vanderbilt Online Workshop, Virtual Conference
- Picou, E.M. & Ricketts, T.A.** (May 2020). Vanderbilt Audiology Journal Club: Hearing aid research on self-efficacy and cognition. AudiologyOnline. Virtual Presentation
- Picou, E.M.** (May 2020) CROS systems for children with unilateral hearing loss in classrooms. 17th Congress of the Spanish Society of Audiology. Granada, Spain <<conference canceled>>
- Picou, E.M.** (May 2020) Emotion and hearing loss. 17th Congress of the Spanish Society of Audiology. Granada, Spain <<conference canceled>>
- Powers, T., Edwards, B., Jorgenson, L. & **Picou, E.M.** (April 2020). Insights from MarkeTrak 10. American Academy of Audiology Conference: New Orleans, LA. <<conference canceled>>
- Picou, E.M.** (February 2020). MarkeTrak 10 (MT10) survey results reveal high hearing aid satisfaction and quality of life benefits. AudiologyOnline. Virtual Presentation
- Picou, E.M.** (November 2019). What is listening effort and how do we measure it? Hearing Well and Being Well: A Strong Scientific Connection Conference. Frankfurt, Germany.
- Walker, E. & **Picou, E.M.** (November 2019). Factors that exacerbate or ameliorate listening effort in school-aged children. American Speech-Language Hearing Association Conference. Orlando, FL.
- McCreery, R., **Picou, E.M.**, Munoz, K. (November 2019). Best practices in speech-language pathology and audiology: Interventions for children with mild or unilateral hearing loss. American Speech-Language Hearing Association Conference. Orlando, FL.
- Picou, E.M. & Ricketts, T.A.** (May 2019) Vanderbilt Audiology Journal Club: Hearing aid research with clinical implications. AudiologyOnline. Virtual Presentation
- Picou, E.M.** (May 2019). The potential benefits of CROS systems in classrooms. 6th European Pediatric Audiology Conference. Munich, Germany.
- Picou, E.M.** (March 2019). Can hearing aids change the way patients feel about sounds? Academy Research Conference (ARC2019) of the American Academy of Audiology. Columbus, OH

- Picou, E.M.** (November 2018). The potential benefits of advanced hearing aid features on speech recognition and listening effort for adults and school-aged children. Sonova Israel Aural Rehabilitation Conference. Tel Aviv, Israel.
- Picou, E.M.** (October 2018). Listening effort: What can we do to help? World Congress of Audiology. Cape Town, South Africa.
- Picou, E.M.** (October 2018). What is listening effort and what can we do to help? Seminars in Audiology at the University of Pretoria, Pretoria, South Africa.
- Picou, E.M.** (October 2018). The potential benefits of CROS aids for children with unilateral hearing loss in classrooms. Pennsylvania Academy of Audiology Conference. Lancaster, PA.
- Picou, E.M.** (March 2018) Vanderbilt Journal Club: Hearing aid technology and innovation. AudiologyOnline. Virtual Presentation
- Picou, E.M.,** Lewis, D., Angley, G. & Tharpe, A.M. (October 2017). Can CROS aids improve speech recognition and comprehension in classrooms? Unilateral Hearing Loss in Children Conference sponsored by Phonak. Philadelphia, PA.
- Picou, E.M. & Ricketts, T.A.** (October 2017). Potential benefits and limitations of directional microphones for adults and children. Canadian Academy of Audiology. Ottawa, Ontario.
- Picou, E.M.,** Wiacek, R. & Ricketts, T.A. (October 2017). CSI Audiology: Investigating television listening options for listeners with hearing loss. Canadian Academy of Audiology. Ottawa, Ontario.
- Picou, E.M.** (September 2017). Hearing loss and emotional responses to sound: Potential hearing aid outcomes. Phonak Research Forum. Chicago, IL.
- Picou, E.M.,** Teubner-Rhodes, S., & Winn, M. (September 2017) Modeling and understanding listening effort. E-Audiology presentation hosted by the American Academy of Audiology. Online.
- Picou, E.M.** (June 2017) Invited talk: Can hearing aids change the way patients feel about sounds? Modern Developments in Audiology. Nashville, TN.
- Picou, E.M.** (June 2017) Invited talk: How do we measure listening effort? 11th International Workshop on Advances in Audiology. Salamanca, Spain.
- Ricketts, T.A. & Picou, E.M.** (March 2017). Vanderbilt Journal Club: Hearing aid research with clinical implications. AudiologyOnline.
- Picou, E.M.** (February 2017). Hearing Aids and Listening Effort: Making Listening Easier for Adults and Children. Mayo Audiology CEU Conference: Rochester, MN.
- Picou, E.M.** (November 2016). The effects of hearing aid use on listening effort and emotional responses to sound. Maine Academy of Audiology Conference. Freeport, ME.
- Picou, E.M.** (September 2016). Acoustic factors related to emotional responses to non-speech sounds for listeners with hearing loss. Acoustics Week in Canada. Vancouver, Canada.
- Picou, E.M.** (September 2016). Emotion and hearing aids. World Congress of Audiology. Vancouver, Canada.
- Picou, E.M.** (September 2016). Emotion and hearing aids. Vanderbilt Hands On Hearing Aid Workshop. Nashville, TN
- Picou, E.M.** (September 2016). The effects of hearing loss on emotional responses to music. Music and Mind Symposium. Nashville, TN.
- Picou, E.M.** (June 2016). Listening effort in school-aged children. 5th annual European Pediatric Conference. Berlin, Germany

- Picou, E.M.** (May 2016). Making happy hour happier for patients (without the alcohol). Nancy Baptiste Memorial Audiology Conference. Oakland, CA.
- Picou, E.M.** (May 2016). Hearing aid essentials: Prescriptive fitting methods. Audiology Online.
- Picou, E.M.** & Ricketts, T.A. (May 2015). Using dual-task paradigms to measure listening effort in adults and children. Meeting of the Acoustical Society of America: Pittsburgh, PA.
- Picou, E.M.** (February 2015). Audiology Online's Vanderbilt Journal Club: Digital Noise Reduction, Directional Microphones, and Listening Effort. AudiologyOnline. Virtual Presentation
- Picou, E.M.** (October 2014). Pump up the volume: How hearing aids affect listening effort. Texas Academy of Audiology annual convention: Austin, TX
- Picou, E.M.** (April 2014). Update on how hearing aids affect patients' listening effort. North Carolina Academy of Hearing Rehabilitation annual meeting: Wrightsville Beach, NC.
- Picou, E.M.** (November 2013). Individual variability in hearing aid benefit for listening effort. AudiologyOnline. Virtual Presentation
- Ricketts, T.A., & **Picou, E.M.** (April 2013). Hearing aid features across manufacturers: What really works and clinical implications. AudiologyNow! Meeting: Anaheim, CA.
- Picou, E.M.** (October 2008) Wireless Speech Transmission: Telephone Application. Tennessee Academy of Audiology Speech-Language Pathology, Nashville, TN
- Picou, E.M.** (April 2007) Ethical considerations of patients with schizoaffective disorder who lose hearing aids. Geriatric Research Education and Clinical Center Case Conference – Veteran's Health Administration, Tennessee Valley Health Services Nashville

Accepted

- Picou, E.M.**, Ricketts, T.A., & Hornsby, B.W.Y. (August 2022). Poster presentation: Hearing aid users' emotional responses to sounds and pictures. International Hearing Aid Conference: Lake Tahoe, CA.
- Picou, E.M.** & Manchaiah, V. (April 2021). Podium presentation: Consumer survey on hearing aid preferences, benefits, and satisfaction. Podium presentation. Virtual American Academy of Audiology conference.
- Sun, Y. & **Picou, E.M.** (April 2020). Poster presentation: Pleasant music facilitates recovery following an acute stressor. American Academy of Audiology conference: New Orleans, LA. <<conference canceled>>
- Buono, G.B. & **Picou, E.M.** (April 2020). Poster presentation: The effects of auditory filtering on emotional responses to multisensory stimuli. American Academy of Audiology Conference: New Orleans, LA. <<conference canceled>>
- Buono, G.B. & **Picou, E.M.** (March 2020). Poster presentation: Hearing loss disrupts emotion perception of multimodal stimuli. American Auditory Society Meeting: Scottsdale, AZ.
- Virts, M.L., **Picou, E.M.**, Hornsby, B.W. Y., & Ricketts, T.A. (March 2019). Poster presentation: Hearing loss, hearing aids and the emotional perception of sound. American Auditory Society Meeting: Scottsdale, AZ
- Picou, E.M.**, Gustafson, S. & Ricketts, T.A. (August 2018). Poster presentation. The effects of hearing aid microphone technology on word recognition and listening effort for school-aged children. International Hearing Aid Conference: Tahoe City, CA
- Moore, T.M. & **Picou, E.M.** (April 2018). Poster presentation: Impact of an online learning module on confidence. American Academy of Audiology Convention: Nashville, TN

- Picou, E.M.** (March 2018). Podium presentation: Re-routing options for children with severe-to-profound unilateral hearing loss in classrooms. American Auditory Society Meeting: Scottsdale, AZ.
- Ricketts, T.A. & **Picou, E.M.** (March 2018). Poster presentation: Towards individualization of microphone technologies for children. American Auditory Society Meeting: Scottsdale, AZ.
- Wiacek, R., T.A., & **Picou, E.M.** (March 2018). Poster presentation: Evaluating the television experience: Materials development and pilot data. American Auditory Society Meeting: Scottsdale, AZ
- Picou, E.M.** & Ricketts, T.A. (April 2017). Poster presentation: The effects of advanced microphone array technologies on word recognition and listening effort. AudiologyNow Convention: Indianapolis, IN.
- Picou, E.M.** (March 2017). Poster presentation: The relationship between laboratory measures of emotional processing and social function. American Auditory Society Meeting: Scottsdale, AZ.
- Picou, E.M.** (April 2016). Research podium: Can hearing aids change the way patients feel about sound? AudiologyNow Convention: Phoenix, AZ.
- Picou, E.M.,** D'Onofrio, K. & Ricketts, T.A. (March 2016). Poster presentation: The effects of bimodal hearing on emotional responses to sound. American Auditory Society Meeting: Scottsdale, AZ.
- Ricketts, T.A., **Picou, E.M.,** & D'Onofrio, K. (March 2016). Poster presentation: Does contralateral amplification improve the cochlear implant listening experience? American Auditory Society Meeting: Scottsdale, AZ
- Picou, E.M.** & Ricketts, T.A. (March 2015). Research podium: The effects of directional processing on listening effort. AudiologyNow Convention: San Antonio, TX
- Picou, E.M.** (March 2015). Research podium: How audibility and hearing loss affect emotional experiences. American Auditory Society Meeting: Scottsdale, AZ.
- Ricketts, T.A. & **Picou, E.M.** (March 2015). Poster presentation: Bilateral hearing aid benefits in complex environments: Hearing loss effects. American Auditory Society Meeting: Scottsdale, AZ.
- Charles, L.M., **Picou, E.M.,** & Ricketts, T.A. (March 2015). Invited poster presentation: Listening effort: Using dual-task paradigms for school aged children. American Auditory Society Meeting: Scottsdale, AZ.
- Picou, E.M.,** & Ricketts, T.A. (March 2014). Poster presentation: Asymmetric directional microphone fittings for listeners with severe hearing loss. American Auditory Society Meeting: Scottsdale, AZ.
- Gordon, J., **Picou, E.M.,** & Ricketts, T.A. (March 2014). Invited poster presentation: The effect of reverberation on listening effort for listeners with normal hearing. American Auditory Society Meeting: Scottsdale, AZ.
- Picou, E.M.,** & Ricketts, T.A. (November 2013). Seminar: Directional hearing aids for school-aged children: Clinical suggestions from the classroom and the laboratory. American Speech-Language-Hearing Association Convention: Chicago, IL.
- Picou, E.M.,** & Ricketts, T.A. (March 2013). Podium presentation: In search of an objective measure of listening effort. American Auditory Society Meeting: Scottsdale, AZ

- Picou, E.M.,** Ricketts, T.A., & Aspell, E. (August 2012). Podium presentation: Potential benefits of a bilateral beamformer for hearing aid users in realistic listening environments. International Hearing Aid Conference: Tahoe, CA.
- Ricketts, T.A., & **Picou, E.M.** (April 2011). Learning Lab: Open fittings and other hearing aid features: Clinical tips. AudiologyNow!2011: Chicago, IL.
- Picou, E.M.,** & Ricketts, T.A. (November 2010). Poster presentation. Visual cues, listening effort, and individual variability. ASHA Convention: Philadelphia, PA.
- Picou, E.M.,** Ricketts, T.A., & Mueller, G.H. (August 2010). Poster presentation: The effect of probe microphone system on the NAL-NL1 prescriptive gain provided to patients. International Hearing Aid Conference: Tahoe, CA.
- Picou, E.M.** & Ricketts, T.A. (April 2010). Research podium: Comparison of hearing-aid based routing strategies for telephone use. AudiologyNow Convention: San Diego, CA.
- Picou, E.M.** & Ricketts, T.A. (April 2010). Invited poster presentation: Visual cues, listening effort, and individual variability. Academy Research Conference: San Diego, CA.
- Picou, E.M.** & Ricketts, T. (March 2009) Poster presentation: Speech recognition and subjective ratings with wireless speech transmission via hearing. Graduate Student Research Symposium, Vanderbilt University: Nashville, TN
- Picou, E.M.** & Ricketts, T. (March 2009) Invited poster presentation: Speech Recognition and Subjective Ratings with Wireless Speech Transmission. American Auditory Society Meeting: Scottsdale, AZ

Contributed

- Thompson, E.C., **Picou, E.M.,** Bodfish, J., Needham, A., and Tharpe, A.M. (April 2023). Poster presentation: Effects of remote microphone system use in homes of children with autism. American Academy of Audiology Conference: Seattle, WA.
- Mailapur, N., Dunham, K., Keceli-Kaysili, B., Feldman, J.I., Thompson, E., Davis, H., Tharpe, A.M., **Picou, E.M.,** Woynaroski, T. (April 2023). Poster presentation: Remote Microphone Systems for Autistic and Non-Autistic Youth: Effect on Engagement and Difficulty-in-Engagement. Gatlinburg Conference: Kansas City, KS.
- Brigham, N, Tharpe, A.M., **Picou, E.M.,** Davis, H., Thompson, E. (March 2023). Poster presentation: Pediatric hearing aid daily wear time is significantly impacted by clinician-family language discordance. Early Hearing Detection and Intervention Conference: Cincinnati OH.
- Hornsby, B., Huang, H., Sohail, H., Ricketts, T.A., Gifford, R., & **Picou, E.M.** (March 2023). Poster presentation. Effort and fatigue while listening: Sustained speech-processing with cochlear implants. American Auditory Society. Scottsdale, AZ.
- Huang, H., Santos, J., Wiacek, B., Ricketts, T.A., & **Picou, E.M.** (March 2023). Poster presentation: Importance of hearing for emotional responses to movies and television. American Auditory Society. Scottsdale, AZ
- Tawdrous, M. & **Picou, E.M.** (October 2022). Poster presentation: Relationship between hearing aid audio quality and emotional responses to sound. Canadian Academy of Audiology: Niagara Falls, Ontario
- Hornsby, B.W., **Picou, E.M.,** Ricketts, T.A. & Gifford, R. (August 2022). Poster presentation: more effort but less fatigue? Long-term psychosocial changes among new cochlear implant users. International Hearing Aid Conference: Lake Tahoe, CA.

- Ricketts, T.A., Folkerts, M.L. Stecker, G.C. & **Picou, E.M.** (August 2022). Poster presentation: Does the type of unilateral beamforming processing affect sound location identification?
- Huang, H., Oosthuizen, I., & **Picou, E.M.** (April 2022). Poster presentation: Is effortful guessing a part of listening effort? Data processing in a dual-task paradigm. Conference of the American Academy of Audiology. St. Louis, MO.
- Kolberg, C., Roberts, R.A., Watford, K., **Picou, E.M.**, & Corcoran, K. (April 2022). Poster presentation: Long term effects of lifestyle modification on vestibular migraine. Conference of the American Academy of Audiology. St. Louis, MO.
- Huang, H., Ricketts, T.A., Hornsby, B.W.Y, & **Picou, E.M.** (March 2022). Poster presentation: Effect of critical distance and reverberation on listening effort in adults. American Auditory Society. Scottsdale, AZ.
- Kolberg, C., Roberts, R., Watford, K., **Picou, E.M.**, & Corcoran, K. (February 2022). Podium presentation: Long-Term differential effects of lifestyle modification on definite vestibular migraine. American Balance Society Conference. Scottsdale, AZ.
- McAlexander, S.M., **Picou, E.M.**, Day, B., Jirik, K., Morrison, A.K., & Tharpe, A.M. (February 2022) Poster presentation: An evaluation of newborn hearing screening brochures and parental understanding of screening result terminology. Early Hearing Detection & Intervention Conference. Virtual.
- Davis, H., **Picou, E.M.**, Tang, L.A., Bastarache, L. & Tharpe, A.M. (April 2021). Poster presentation: Factors related to academic and speech-language difficulties in children with unilateral hearing loss. Phonak Sound Foundations Conference. Virtual.
- Folkerts, M., **Picou, E.M.** & Stecker, G.C. (December 2020). Poster presentation. Impacts of component audibility and noise masking on spectral weighting of sound-localization cues. Acoustical Society of America Meeting: Virtual.
- Santos, J., Wiacek, R., **Picou, E.M.**, & Ricketts, T.A. (May 2018). Podium presentation. The effects of hearing loss and speaker montage on perceived sound quality and intelligibility for the television. XV National Congress: The Spanish Audiology Association. Toledo, Spain.
- Ricketts, T.A. & **Picou, E.M.** (March 2017). Podium presentation. Towards individualization of hearing aid microphone technologies in adults. American Auditory Society Meeting: Scottsdale, AZ.
- Joshi, A.P., **Picou, E.M.**, Angley, G., & Ricketts, T.A. (March 2016). Poster presentation. Individualizing Microphone Technology in School-Aged Children. American Auditory Society Meeting: Scottsdale, AZ.
- Holder, J., **Picou, E.M.**, Gruenwald, J., & Ricketts, T.A. (March 2015). Poster presentation. Does Quality Control in Modern Hearing Aids Still Matter? AudiologyNow! San Antonio, TX.
- D'Onofrio, K.L., **Picou, E.M.**, & Ricketts, T.A. (August 2014). Poster presentation. Musician and non-musician preferences for hearing aid gain and compression settings. International Hearing Aid Conference: Tahoe, CA.
- Shehorn, J., Ricketts, T.A., & **Picou, E.M.** (March 2013). Poster presentation. Spatialization with severe-profound hearing loss: One or two hearing aids? American Auditory Society Meeting: Scottsdale, AZ.
- Chalupper, J., Ricketts, T., & **Picou, E.M.** (August 2009). Poster presentation: Developing a “telephone solution” for modern hearing aids. ISAAR Symposium: Marienlyst, Helsingor, Denmark.

Hornsby, B.W.Y. & **Picou, E.M.** (March 2009) Podium presentation: Hearing Aids, Hearing Loss and Cognitive Processing Throughout the Day. American Auditory Society Meeting. Scottsdale, AZ

Hornsby, B.W.Y. & **Picou, E.M.** (August 2008) Poster presentation: Effect of Hearing Aid Use on Cognitive Processing and Listening Effort in Everyday Settings. International Hearing Aid Conference, Lake Tahoe, CA.

Grants

Pending

Co-I, “DRL - iTEST: Sound Waves,” NSF 42099 – collaboration with AG Bell

PI, “Effects of sound quality on mood and emotion,” Widex A/S

PI, “Effects of hearing loss and hearing aids on prosody perception,” Widex A/S

PI, “Hearing aid technologies for adults and children” Sonova AG

In progress

Co-I, “Validation of digits triplet test,” Amplifon (\$10,000) 02/01/2023 – 12/01/2023

PI, “Noise reduction and tap control for youth wearing hearing aids,” Sonova AG, , 01/21/2023 – 12/31/2023, (\$47,290.050)

Completed

Co-I, “Psychophysical indices of temporal weighting functions,” NIH NIDCD 5R01DC016643-04 (Stecker PI), 07/01/2018 – 06/30/2023, (\$214,088)

PI, “Effort and fatigue with cochlear implants” Advanced Bionics, 2019 – 2023, (\$82,000)

Co-PI, “Hearing aid technologies and benefits beyond speech recognition,” Sonova, 04/01/2018 – 03/30/2023 (\$500,000)

Co-PI, “Spatialization and speech recognition with advanced directionality,” GN Resound, 04/01/2018 – 03/31/2019 (\$50,000)

Co-PI, “CROS systems in dynamic simulated and real classroom environments,” Sonova, 03/01/2018 – 02/28/2019 (\$48,000)

Co-PI, “CROS systems in dynamic simulated classroom environments,” Sonova, 01/15/2017 – 01/14/2018 (\$31,000)

Co-PI, “Listening effort, emotion, hearing aid and bimodal processing,” Phase 3: Sonova, 07/01/2017-06/30/2018 (\$90,000)

Co-PI, “Listening effort, emotion, hearing aid and bimodal processing,” Phase 2: Sonova, 07/01/2016-06/30/2017 (\$90,000)

Co-PI, “Listening effort, emotion, hearing aid and bimodal processing,” Phase 1: Sonova, 07/01/2015-06/30/2016 (\$90,000)

Co-PI, “Objective listening effort in hearing aids,” Sivantos, 05/01/2016 – 06/30/2018 (\$35,000)

Co-PI, “Evaluation of a occlusion Cancelling HPD”, GN Resound Hearing Instruments, 05/01/2016-06/30/2018 (\$50,000)

PI, “The influence of hearing aids on perceived effort at work,” Unitron, 01/01/2015 – 12/31/2015 (\$2,000)

Co-PI, “Considering individuals and overhearing for optimization of microphone technology settings in children with impaired hearing,” Oticon, 03/01/2014 – 03/01/2016 (\$150,000)

PI, “The effect of emotion on listening effort” American Speech-Language and Hearing Association, 08/01/2013 – 02/28/2015 (\$5,000)

Co-PI, “Amplification and listening effort: Children, frequency compression, and other technologies,” Phonak, AG, 07/01/2013 – 06/31/2015 (\$180,000)

Co-Investigator, “Comparison across different microphone systems in hearing aids. 06/01/2013 – 05/31/2014 (\$35,000)

Co-Investigator, “Hearing aid technologies and spatialization, part IV” GNReSound, 08/01/2013 – 07/31/2014 (\$75,000)

Co-Investigator, “Hearing aid technologies and spatialization, part III” GNReSound, 08/01/2012 – 07/31/2013 (\$75,000)

Co-PI, “Effects of individual differences, methodologies, and motivation on listening effort,” Phonak, AG, 07/01/2011 – 06/31/2013 (\$180,000)

Co-Investigator, “Hearing aid technologies and spatialization,” GNReSound, 08/01/2011 – 07/31/2012 (\$75,000)

Co-Investigator, “Individual differences in hearing aid benefit for listening effort,” Phonak AG, 11/01/2010 1/01/2011 (\$7,850)

Co- Investigator, “Evaluation of a wireless hearing aid communication system,” Siemens Hearing Instruments, 06/01/2008-12/31/2008 (\$11,200)

Teaching & Mentorship

Courses Taught

Fall 2023	Instructor: Self-paced foundations (AUD 5201)
Fall 2023	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2023	Instructor: Independent readings in audiology (HRSP 389): functional near infrared spectrometry for the measurement of listening effort and emotion
Spring 2023	Instructor: Amplification I (AUD 5339/5340)
Spring 2023	Instructor: Pathologies of the Auditory System (AUD 5332)
Fall 2022	Instructor: Self-paced foundations (AUD 5201)
Fall 2022	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2022	Instructor: Amplification I (AUD 5339/5340)
Spring 2022	Instructor: Pathologies of the Auditory System (AUD 5332)
Fall 2021	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2021	Co-instructor: Amplification III: Industrial Audiology (AUD 5353)
Spring 2021	Instructor: Amplification I (AUD 5339/5340)
Spring 2021	Instructor: Pathologies of the Auditory System (AUD 5332)
Fall 2020	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2020	Instructor: Amplification I (AUD 5339/5340)
Spring 2020	Instructor: Pathologies of the Auditory System (AUD 5332)
Spring 2020	Co-instructor: Amplification III: Industrial Audiology (AUD 5353)
Fall 2019	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2019	Instructor: Amplification I (AUD 5339 / 5340)
Spring 2019	Co-instructor: Amplification III: Industrial Audiology (AUD 5353)
Fall 2018	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2018	Instructor: Amplification I (AUD 5339/5340)
Spring 2018	Co-instructor: Amplification III: Industrial Audiology (AUD 5353)
Spring 2018	Instructor: Pathologies of the Auditory System (AUD 5332)
Fall 2017	Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
Spring 2017	Co-instructor: Amplification III: Industrial Audiology (AUD 5353)

Spring 2017 Instructor: Amplification I (AUD 5339/5340)
 Fall 2016 Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
 Spring 2016 Instructor: Independent Readings: Real world hearing aid benefit (HRSP 389 – 2)
 Spring 2016 Instructor: Amplification I (AUD 5339/5340)
 Spring 2016 Co-instructor: Amplification III: Industrial Audiology (AUD 5353)
 Fall 2015 Instructor: Introduction to Audiology / Pediatric Amplification (MDE 5320)
 Summer 2015 Instructor: Independent Readings: Listening Effort (HRSP 389 – 2)
 Spring 2015 Instructor: Amplification I (AUD 5339/5340)
 Spring 2014 Co-instructor: Amplification III (AUD 5353)
 Spring 2014 Instructor: Amplification I (AUD 5339/5340)
 Fall 2013 Guest lecturer: Introduction to Audiology (SLP 5348)
 Spring 2013 Co-instructor: Amplification III (AUD 5353)
 Spring 2013 Instructor: Amplification I Lab (AUD 5340)
 Fall 2012 Co-instructor: Acoustics & Hearing Conservation (AUD 5359)
 Spring 2012 Instructor: Amplification I Lab (AUD 5340)
 Fall 2011 Co-instructor: Audiometric Instrumentation and Calibration (AUD 5359)
 Summer 2011 Co-instructor: Amplification I (AUD 5340)
 Fall 2010 Guest lecturer: Amplification III (AUD 5353)
 Fall 2009 Guest lecturer: Audiometric Instrumentation and Calibration (AUD 5359)
 Fall 2009 Co-instructor: Introduction to Amplification for Infants and Children (AUD 5320)
 Spring 2008 Guest lecturer: Amplification III (AUD 5353)
 Fall 2007 Guest lecturer: Developmental Neuroscience (NSC/PSY 269)

Dissertation Director

Haiping Huang, Vanderbilt University, Nashville, TN. Topic: Listening effort and hearing loss (expected August 2024 graduation)

Monica Folkerts, Vanderbilt University, Nashville, TN. Topic: Effects of hearing loss and hearing aids on spectral- and temporal-weighting of binaural cues (August 2022 graduation)

Dissertation Committees

Emily Thompson, Vanderbilt University, Nashville, TN. Topic: Listening difficulties of children with autism. Supervisor: Anne Marie Tharpe. Role: Committee member. Graduation: Expected May 2023

Mary Alice Keller, Vanderbilt University, Nashville, TN. Topic: Development of a parent and teacher report measure of listening behavior for children with autism spectrum disorder. Supervisors: Jim Bodfish, Anne Marie Tharpe. Role: Committee member. Graduation: May 2022

Soumya Venkitakrishnan, University of Iowa, Iowa City, IA. Topic: Facial recognition of emotion as an indicator of listening effort. Supervisor: Yu-Hsaing Wu. Role: Committee member. Graduation: August 2021

Ilze Oosthuizen, University of Pretoria, Johannesburg, South Africa, Topic: Listening effort for children with unilateral hearing loss. Supervisor: De Wet Swanepoel, Role: Committee Member. Graduation: May 2020

Travis Moore, Vanderbilt University, Nashville, TN, Topic: Effects of adaptation on temporal weighting functions. Supervisor: Chris Stecker. Role: Committee Member. Graduation: December 2019

Dissertation Examinations

Hasan Saleh, Western University, Ontario, Canada. Topic: User preferences for hearing aid features: Outcomes, Concepts, and test construction. Supervisor: Susan Scollie. Role: Examiner. Graduation: Expected August 2022

Eric Branda, Salus University, Elkins Park, PA, Topic: Bilateral beamforming and cognitive functioning for older adults. Supervisor: Tom Powers. Role: Examiner. Graduation: October 2019

Student Projects

Au.D. Capstone, Director, Monique LaPierre (2023 – 2024) Academic difficulties of children with hearing loss on Guam

Au.D. Capstone, Director, Elizabeth Grossman (2023 – 2024) Mobile hearing screening application for detecting mild-moderate hearing loss

Au.D. Capstone, Director, Elizabeth Davis (2023 – 2024) Effects of hearing aid use and hearing loss on emotional prosody recognition for adults

Au.D. Capstone, Director, Laura White (2022 – 2023) Effects of modality congruency and filtering on emotional responses to sounds and pictures

Au.D. Capstone, Kayleigh Pletch (2022 – 2023) Digital noise cancellation and tap control for adolescents with hearing loss

Au.D. Capstone, Director, Catherine Nunez (2022 – 2023) Practice patterns of pediatric amplification

Au.D. Capstone, Member, Mackenzie Lighterink (2022 – 2023) Audio-visual integration in pediatric population

Au.D. Capstone, Member, Kaili MacDonald (2022 – 2023) Lifestyle modifications and vestibular migraine: Longitudinal benefits

Au.D. Capstone Member, Amanda Wasoff (2022 – 2023) Sense of coherence and lifestyle modifications for vestibular migraines

Au.D. Capstone, Director, Larissa Bannon (2021-2022) Consumer reported benefits of hearing aids and hearing aid features

Au.D. Capstone, Director, Ling Zhong (2021-2022) Benefits of text supplementation for auditory and auditory-visual signals

Au.D. Capstone, Member, Claire Murphy (2021 – 2022) Risk of vestibular symptoms in a clinical population

Au.D. Capstone, Director, Alyse Lemoine (2020 – 2021) An exploration of fNIRS for evaluating listening effort in children who are typically developing

Au.D. Capstone, Director, Annalise Valle (2020 – 2021) Effects of remote microphone use on speech recognition and listening effort for children who are typically developing

Au.D. Capstone, Member, Kate Healy (2020 – 2021) Large-scale survey of classroom listening difficulties experienced by students with unilateral hearing loss

Au.D. Capstone, Member, Kendall Carrol (2020 – 2021) Exposure to simulation of child's hearing loss: Impact on caregiver commitment to device usage

Au.D. Capstone, Member, Courtney Kolberg (2020 – 2010) Retrospective evaluation of lifestyle modification for treating vestibular migraine dizziness and headache symptoms

Au.D. Capstone, Director, Haiping Huang (2019 – 2020) Effects of critical distance and reverberation on listening effort for adults with normal hearing

Au.D. Capstone, Member, Sarah Alfieri (2019 – 2020) Newborn hearing screening program development (status: published)

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