

Andrea L. Pittman**Curriculum Vitae**

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Education

University of Wisconsin-Madison	Ph.D.	1998	Hearing Science
San Diego State University	M.A.	1992	Audiology
Point Loma Nazarene University	B.A.	1985	Communication Disorders

Professional Experience

Professor	Communication Sciences & Disorders MGH Institute of Health Professions	2022 – present
Director, AuD Program	Communication Sciences & Disorders MGH Institute of Health Professions	2022 – present
Associate Professor	Speech and Hearing Science Arizona State University	2011 – 2022
Director, AuD Program	Speech and Hearing Science Arizona State University	2011 – 2018
Assistant Professor	Speech and Hearing Science Arizona State University	2004 – 2011
Research Associate	Hearing Aid Research Lab Boys Town National Research Hospital	1999 - 2004
Post-Doctoral Fellow	Hearing Aid Research Lab Boys Town National Research Hospital	1998 - 1999
Research Assistant	Hearing Development Research Lab University of Wisconsin-Madison	1997 - 1998
Clinical Audiologist	Assessment Core University of Wisconsin-Madison	1995 - 1998
Clinical Audiologist	Hearing Dynamics San Diego, California	1992 - 1995

RESEARCH**Extramural Funding - current**

William Demant Foundation (PI) “Spatial Listening and Learning in Children with Hearing Loss”	2/2021 – 1/2023
Oticon (PI) “360: Directional listening in children with hearing loss”	1/2021-12/2022

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Phonak AG (PI) 2/2020 – 11/2022
 Feature-specific outcome measures

Extramural Funding - completed

Cochlear Corporation (PI) 2/2020 – 1/2022
 “Side Effects: Bone Conduction Amplification in Single-Sided Deafness”

Phonak AG (PI) 5/2019 – 11/2019
 “Learning New Auditory Information with Three Types of Directional Microphone Technology”

Knowles Leadership Fund (Co-PI) 11/2016 – 11/2019
 “Principles of word learning in individuals with normal and with impaired hearing.”

Oticon Foundation (PI) 1/016 – 12/2019
 “Evaluating Hearing Device Benefit through Measures of Speech Production”

Oticon Medical (PI) 11/2015 – 12/2019
 “Relative benefits of transcutaneous vs. bone-anchored signal transmission for auditory tasks that vary in cognitive demand”

Hearing Industry Research Consortium (PI) 4/2013 – 3/2015
 “Assessing advanced hearing aid features using behavioral tasks that vary in cognitive demand”

Arizona Community Foundation (PI) 1/2013 – 12/2013
 “Development and Distribution of Assistive Hearing Technology for Arizona Residents Living with Hearing Loss”

Oticon A/S (PI) 7/2012 – 6/2013
 “Relation between compression speed and children’s ability to process linguistic information”

Phonak AG (PI) 7/2011 – 6/2013
 “Frequency-Lowering vs. High-Frequency Amplification”

Clinical Research Award ASH Foundation (PI) 12/2008 -11/2010
 “Validating Advanced Signal Processing for Children with Hearing Loss”

R03 DC006573 (PI) 1/2004 -12/2007
 National Institute on Deafness and Other Communication Disorders
 “Perceptual Coherence in Listeners with Hearing Loss”

Publications *denotes student-directed research.**Manuscripts in Preparation**

Pittman, A.L. (in prep) Spatial hearing in children with and without hearing loss: Where and what the speech is determines local speech intelligibility

Submitted

Pittman, A.L. & Stewart, E (in review) Children's listening and learning outcomes with four combinations of adaptive low-level gain and NAL-NL2/DSL v5.0a fitting prescriptions. TIH

Published, Refereed Articles

- *Stewart, E. & **Pittman, A.L.** (2021) Effects of enhanced auditory experience through musical training on word learning in adults. *Journal of Speech, Language, and Hearing Research*
- Pittman, A.L.** & de Diego-Lazaro, B. (2021) What can children do with one normal-hearing ear: Auditory perception and learning in children with unilateral and bilateral hearing losses relative to peers with normal hearing. *Ear and Hearing*
- *de Diego-Lazaro, B., **Pittman, A.L.**, & Restrepo, M.A. (2021) Do vocabulary size and inhibitory control predict word learning? A study of language and hearing status. *Journal of Speech, Language, and Hearing Research*
- Pittman, A.L.** (2019) Bone conduction amplification in children: Stimulation via a percutaneous abutment vs. a transcutaneous soft band. *Ear and Hearing, 40 (6)*, 1307-1315.
- Pittman, A.L.**, Daliri, A. & Meadows, L. (2018). Vocal biomarkers of mild-to-moderate hearing loss in children and adults: Voiceless sibilants. *Journal of Speech, Language, and Hearing Research, 61(11)*, 2814-2826.
- Pittman, A.L.**, Stewart, E., Odgear, I. & Willman, A. (2017). Detecting and learning new words: The impact of advancing age and hearing loss. *American Journal of Audiology, 26*, 318-327.
- Pittman, A.L.**, Stewart, E., Willman, A., Odgear, I. (2017). Word Recognition and Learning: Effects of Hearing Loss and Amplification Feature. *Trends in Hearing. 21*, 1-13.
- Pittman, A.** & *Rash, M. (2016). Auditory Lexical Decision and Repetition in Children: Effects of Acoustic and Lexical Constraints. *Ear & Hearing, 37(2)*, e119-e128.
- Pittman, A.L.**, *Pederson, A.J., & Rash, M.A. (2014). Effects of fast, slow, and adaptive amplitude compression release times on children's and adult's perception of meaningful acoustic information, *Journal of the American Academy of Audiology, 25*, 834-847.
- Gray, S., **Pittman, A.**, & Weinhold, J. (2014). Effect of Phonotactic Probability and Neighborhood Density on Word Learning Configuration by Preschoolers with Typical Development and Specific Language Impairment, *Journal of Speech, Language, and Hearing Research, 57*, 1011-1025.
- Pittman, A.** & *Hiipakka, M. (2013). Hearing-Impaired children's preference for and performance with four combinations of directional microphone and digital noise reduction technology, *Journal of the American Academy of Audiology 24*, 832-844.
- *Gustafson, S., **Pittman, A.L.** & Fanning. (2013). Effect of tubing length and coupling method on real-ear-to-coupler differences and hearing-threshold measures, *American Journal of Audiology, 22*, 190-199.
- Pittman, A.L.** & *Schuett, B.C. (2013). Effects of semantic and acoustic context on non-word detection in children with hearing loss. *Ear and Hearing, 34 (2)*, 213-220.
- Pittman, A.L.** (2011). Age Related Benefits of Digital Noise Reduction for Short-Term Word Learning in Children with Hearing Loss. *Journal of Speech, Language, and Hearing Research, 54*, 1448-1463

- Pittman, A.L.** (2011). Effects of digital noise reduction on children's performance under progressively demanding listening conditions. *Journal of Speech, Language, and Hearing Research, 54*, 1224-1239.
- *Gustafson S.J. & **Pittman A.L.** (2011). Sentence perception in listening conditions having similar speech intelligibility indices. *International Journal of Audiology, 50*, 34-40.
- Pittman, A.L.**, Vincent, K., & Carter, L. (2009). Immediate and long-term effects of hearing loss on the speech perception of children. *Journal of the Acoustical Society of America, 126* (3), 1447-1485.
- *McCreery, R., **Pittman, A.L.**, Lewis, J., Neely, S.T., & Stelmachowicz, P.G. (2009). Use of forward pressure level to minimize acoustic standing waves during probe-microphone hearing-aid verification. *Journal of the Acoustical Society of America, 126* (1), 15-24.
- *McFadden, B. & **Pittman, A.L.** (2008). Multitasking in children with normal hearing and children with minimal hearing losses. *Language, Speech, and Hearing Services in Schools, 39*, 342-351.
- Pittman, A.L.** (2008). Short-term word learning rate in children with normal hearing and children with hearing loss in limited and extended high-frequency bandwidths. *Journal of Speech, Language, and Hearing Research, 51*, 785-797.
- Pittman, A.L.** (2008). Perceptual coherence in listeners having longstanding childhood hearing losses, listeners with adult-onset hearing losses, and listeners with normal hearing. *Journal of the Acoustical Society of America, 123*, 441-449.
- English, K., Naeve-Velguth, S., Rall, E., Uyehara-Isono, J., & **Pittman, A.** (2007). Development of an Instrument to Evaluate Audiologic Counseling Skills, *Journal of the American Academy of Audiology, 18*, 677-68.
- Moeller, M., Stelmachowicz, P., Hoover B., Putman, C., Arbataitis, B., Wood, S., Lewis D., & **Pittman, A.** (2007). Vocalizations of infants with hearing loss compared with infants with normal hearing: Part I – Phonetic Development. *Ear and Hearing, 25*, 605-627.
- Moeller, M., Stelmachowicz, P., Hoover B., Putman, C., Arbataitis, B., Wood, S., Lewis, D., & **Pittman, A.** (2007). Vocalizations of infants with hearing loss compared with infants with normal hearing: Part II – Transition to words. *Ear and Hearing, 25*, 628-642.
- Pittman, A.L.**, Lewis, D.L., Hoover, B.M., & Stelmachowicz, P.G. (2005). Rapid word-learning in normal-hearing and hearing-impaired children: Effects of age, receptive vocabulary, and high-frequency amplification. *Ear and Hearing, 26*, 619-629.
- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., Lewis, D.L. & Moeller, M.P. (2004). The importance of high-frequency audibility in the speech and language development of children with hearing loss. *Archives of Otolaryngology Head and Neck Surgery, 130*, 556-562.
- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., & Lewis, D.L. (2004). Novel-word learning in normal-hearing and hearing-impaired children. *Ear and Hearing, 25*, 47-56.
- Pittman, A.L.**, Stelmachowicz, P.G., Lewis, D.E., & Hoover, B.M. (2003). Spectral characteristics of speech at the ear: Implications for amplification in children. *Journal of Speech, Language, and Hearing Research, 46*, 649-657.
- Pittman, A.L.** & Stelmachowicz, P.G. (2003). Hearing loss in children and adults: Audiometric characteristics, asymmetry and progression. *Ear and Hearing, 24*, 198-205.
- Pittman, A.L.**, Stelmachowicz, P.G., Lewis, D.E., & Hoover, B.M. (2002). Influence of hearing loss on the perceptual strategies of children and adults. *Journal of Speech, Language, and Hearing Research, 45*, 1276-1284.

- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., & Lewis, D.L., (2002). Aided perception of /s/ and /z/ by hearing-impaired children. *Ear and Hearing*, 23 (4), 316-324.
- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., & Lewis, D.L., (2001). The effect of stimulus bandwidth on the perception of /s/ in normal- and hearing-impaired children and adults. *Journal of the Acoustical Society of America*, 110 (4), 2183-2190.
- Pittman, A.L.**, & Wiley, T.L. (2001). Recognition of speech produced in noise. *Journal of Speech, Language, and Hearing Research*, 44, 487-496.
- Pittman, A.L.**, & Stelmachowicz, P.G. (2000). Perception of voiceless fricatives by normal-hearing and hearing-impaired children and adults. *Journal of Speech, Language, and Hearing Research*, 43, 1389-1401.
- Stelmachowicz, P.G., Hoover, B.M., Lewis, D.E., Kortekaas, R.L., & **Pittman, A.L.** (2000). The relation between stimulus context, speech audibility and perception for normal and hearing-impaired children. *Journal of Speech, Language, and Hearing Research*, 43, 902-914.
- Pittman, A.L.**, Lewis, D.E., Hoover, B., Stelmachowicz, P.G. (1999). Recognition performance for four combinations of FM and environmental microphone signals in adverse listening conditions. *Ear and Hearing*, 20, 279-289.
- Page (**Pittman**), **A.L.**, Kramer, S.J., Novak, J., William, D., & Slymen, D. (1995). Tympanometric Screening in Elementary School Children, *Audiology*, 34, 6-12.

Book Chapters, Proceedings, Invited Articles, White Papers

- Pittman, A.** (2021) Perception, Management, and Memory for Private Conversations with and without Speech Enhancer (Sonova2021_#), *Sonova Study Report – Confidential*.
- Pittman, A.** (2019) Learning New Auditory Information with Three Types of Directional Microphone Technology (Sonova2019_17), *Sonova Study Report – Confidential*.
- Bianchi, F., Lunner T., Wendt, D., **Pittman A.**, Rosenbom, T., Holmberg, M. (2019) Benefits beyond better hearing with the Ponto system: Effect of Direct Sound Transmission and higher maximum output on learning, remembering, and listening effort. *Oticon Medical White Paper*. Askim, Sweden.
- Pittman, A.L.** & Beauchaine, K.L. (2019). Hearing Aids for Infants, Children, and Adolescents. *Pediatric Audiology*, J. Wolfe and A Schafer (Eds), Pearson.
- Pittman, A.** (2015). The amplification of new information. *Hearing Review*, 22(9):24.
- Pittman, A.L.** (2014). Hearing Loss, Hearing Aids, and the Business of Childhood. *Audacity, UK*, pp. 22-23.
- Pittman, A.L.** (2014). How to Buy the Right Hearing Aid from the Right Person. *June, Providence Life*, pp. 10-11.
- Pittman, A.L.** (2011). High-frequency amplification: Sharpening the pencil. In *A Sound Foundation Through Early Amplification 2010; Proceedings of the Fifth International Conference*, R.C. Seewald & J. Bamford (Eds), pp. 179-185.
- Pittman, A.L.** (2010). Complicated listening environments: How do children with hearing loss manage? *Hands and Voices Communicator*, 13, 2, pp 1, 4.
- Pittman, A.L.** (2004). Audiometric configurations in children. In *A Sound Foundation Through Early Amplification 2004; Proceedings of the Third International Conference*, R.C. Seewald & J.S. Gravel (Eds), St. Edmundsbury Press, Great Britain, pp. 61-67.

Wiley, T.L. & Page (**Pittman**), A.L. (1996). Current and future perspectives on speech perception tests. In *Speech Perception: Audiologic Assessment and Management*, L.L. Mendel & J.L. Danhauer (Eds). Singular Publishing Co., San Diego, CA, pp. 201-221.

Invited Presentations (Podium)

- Pittman, A.L.** (2023, January) Hearing loss and the business of childhood, PhD Rehab Sciences Seminar, IHP, Charlestown, MA
- Pittman, A.L.** (2022, September) NAL vs DSL Prescriptions in Pediatric Hearing Aid Users: How Different Are They Really? Presentation to University of Texas Southwestern Medical Center Department of Otolaryngology - Head & Neck Surgery Continuing Education opportunity, Austen, TX. (Virtual)
- Pittman, A.L.** (2022, August) Two Hearing Aids Walk into a Bar Chart: NAL vs DSL in Pediatric Patients, Presentation to Mass Eye and Ear Audiologists at monthly Continuing Education opportunity, Boston, MA
- Pittman, A.L.** (2022, March) Directional Listening, Learning, and Microphones, Oticon Pediatric Conference. (Virtual)
- Pittman, A.L.** (2022, March) Side Effects: Listening and Learning with One or Both Ears, Children's Hospital of Philadelphia Annual Audiology Conference, Philadelphia, PA. (Virtual)
- Pittman, A.L.** (2022, March) 360 Degrees of Listening and Learning, New Zealand Pediatric Audiology Conference. (Virtual)
- Pittman, A.L.** (2021, September) Keynote Speaker: Understanding children and their Hearing Aids, 2021 Canadian Academy of Audiology Conference. (Virtual)
- Pittman, A.L.** (2021, April) Listening and Learning in Children with Hearing Loss Following Device Fitting, Oticon Medical Scientific Meeting, Copenhagen, Denmark. (Virtual)
- Pittman, A.L.** (2021, April) Listening and Learning in Children with Hearing Loss, Brain-Hearing Network Meeting, Copenhagen, Denmark. (Virtual)
- Pittman, A.L.** (2021, March) Optimizing Children's Learning in Noise and Other Places, A Sound Foundation Through Early Amplification, 8th International Pediatric Audiology Conference. (Virtual)
- Pittman, A.L.** (2020, May) Fluid in the media: How did it get there? Ear Foundation of Arizona, Phoenix, AZ. (Virtual)
- Pittman, A.L.** (2019, December) Learning New Auditory Information with Three Configurations of Directional Microphone Technology, Online presentation to internal stakeholders at Sonova (industry sponsor).
- Pittman, A.L.** (2019, July) Keynote Speaker: Hearing Loss, Hearing Aids, and The Business of Learning, New Zealand Audiological Society, 43rd Annual Conference, Queenstown, New Zealand.
- Pittman, A.L.** (2019, July) New Zealand Keynote Speaker: Bone Conduction Amplification in Children: Abutment vs Soft Band, New Zealand Audiological Society, 43rd Annual Conference, Queenstown, New Zealand.
- Pittman, A.L.** (2019, July) Learning new words: Benefit of signal quality and quantity, The Hearing House, Auckland, New Zealand.
- Pittman, A.L.** (2019, June) Learning new words: Benefit of signal quality and quantity. National Acoustics Laboratory, Sydney, Australia.

- Pittman, A.L.** (2019, February) Benefits of Advanced Signal Processing for Daily Listening Tasks, Special Session: Trends in Hearing Health Care - The Perspective of the Industry Research Consortium, American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.** (2018, November) Assessing the benefits of advanced hearing aid features for recognizing and learning unknown words, online continuing education presentation hosted by AudiologyOnline and sponsored by the Hearing Industry Research Consortium.
- Pittman, A.L.** (2018, October) Hearing Loss, Hearing Devices, and the Business of Learning, Kansas Speech-Language-Hearing Association Conference, Wichita, KS.
- Pittman, A.L.** (2018, September) Auditory-Based Learning in Children and Adults with Hearing Loss. Oticon Headquarters, Smorum, Denmark.
- Pittman, A.L.** (2018, September) Why it's important for children and adults to learn new information and how hearing loss interferes with that learning. Oticon Medical Scientific Meeting, Copenhagen, Denmark.
- Pittman, A.L.** (2018, September) Auditory-Based Learning in Children and Adults with Hearing Loss. Oticon Medical Scientific Meeting, Copenhagen, Denmark.
- Pittman, A.L.** (2018, March) Learning from Children about Hearing Loss in Adults. CoCo, Department of Speech and Hearing Science, Arizona State University, Tempe, AZ.
- Pittman, A.L.** (2017, November) Keynote Speaker: Hearing Loss, Hearing Aids, and The Business of Childhood, The Pediatric Patient Journey: A Collaborative Approach to Healthcare Conference, Sponsored by Oticon Pediatrics, Chicago, IL.
- Pittman, A.L.** (2017, October) Word learning. Phonak Expert Circle, Chicago, IL.
- Pittman, A.L.** (2017, August) Bone Conduction Devices: Does Direct Drive Make a Difference? Oticon Audiology Summit, San Francisco, CA.
- Pittman, A.L.** (2017, March). Is Good Speech Perception Sufficient for Learning New Words? Arsha Convention, Oro Valley, AZ.
- Pittman, A.L.** (2016, October). Effects of hearing loss on learning new information I: Isn't Speech Perception Enough? Crossroads Conference, Purdue University, West Lafayette, IL.
- Pittman, A.L.** (2016, October). Effects of hearing loss on learning new information II: What does it take to learn a new word? Crossroads Conference, Purdue University, West Lafayette, IL.
- Pittman, A.L.** (2015, October). More than speech perception: Benefits of Amplification for Listening and Learning New Information. 18th Annual Canadian Academy of Audiology Conference and Exhibition. Ontario, Niagara Falls, Canada.
- Pittman, A.L.** (2015, October). Current research in auditory science. Arizona Industrial Hygiene Association. Skysong, Scottsdale, AZ.
- Pittman, A.L.** (2015, April). More than speech perception: Benefits of amplification for listening and learning. Arizona Speech Language Hearing Association Convention, Tempe, AZ.
- Pittman, A.L.** (2015, February). More than speech perception: Benefits of advanced hearing aid features to children's listening and learning strategies. Association of Educational Audiologists, Atlanta Georgia.
- Pittman, A.L.** (2014, October). The multidimensional effects of hearing loss on word learning in children. Knowles Hearing Center Symposium, Chicago, IL.
- Pittman, A.L.** (2014, August). Advanced signal processing for children (and adults) with hearing loss. International Hearing Aid Conference, Lake Tahoe, CA.
- Pittman, A.L.** (2014, August). What parents should know about hearing aids: What's inside, how

they work and what's best for kids. Arizona Hands and Voices Expo, Peoria AZ.

- Pittman, A.L.** (2013, September). Amplitude compression: Timing is everything. Oticon Pediatric Annual Conference: Advanced Hearing Technologies for Children – Revisited. Atlanta, GA.
- Pittman, A.L.** (2013, September). Can children with hearing loss benefit from digital noise reduction? Oticon Pediatric Annual Conference: Advanced Hearing Technologies for Children – Revisited. Atlanta, GA.
- Pittman, A.L.** (2013, June). Benefits of digital noise reduction to children with hearing loss. 2nd Cognitive Hearing Science for Communication conference, Linköping, Sweden.
- Pittman, A.L.** (2013, June). Timing is everything; Combining the benefits of fast and slow amplitude compression with SpeechGuard. Progress report presented at Oticon A/S, Copenhagen, Denmark.
- Pittman, A.L.** (2012, October). Children, Hearing Aids and Cognitive Demand. National Center for Audiology at the University of Western Ontario, London, Canada.
- Pittman, A.L.** (2012, October). Benefits of Advanced Hearing Aid Technologies to Children (and Adults) with Hearing Loss. 15th Annual Conference and Exhibition of the Canadian Academy of Audiology, Ottawa, Canada.
- Pittman, A.L.** (2012, October). Children, Hearing Aids, and Cognitive Demand. University of Arizona Audiology Workshop, Tucson, AZ.
- Pittman, A.L.** (2012, May). Divided attention: What children with hearing loss and assistant professors have in common? Boys Town National Research Hospital 40th Anniversary Research Reunion. Omaha, NE.
- Pittman, A.L.** (2010, November). High-frequency amplification: Sharpening the pencil. Phonak Conference: A Sound Foundation through Early Amplification, Chicago, IL.
- Pittman, A.L.** (2010, July). The effects of hearing loss on children's ability to attend in the classroom. ASDB Regional Cooperatives Conference, Phoenix, AZ.
- Pittman, A.L.** (2009, January). Children, Hearing Loss, and Communication. Auditory Cognitive Neuroscience Society Meeting, Tucson, AZ.
- Pittman, A.L.** (2008, September). What parents should know about hearing aids: What's inside, how they work, and what's best for kids. AZ Hands and Voices Expo, Phoenix, AZ.
- Pittman, A.L.** (2008, April). Word Learning in Children with Hearing Loss. Arizona Speech Hearing Association, Annual Conference, Tempe, AZ.
- Pittman, A.L.** (2007, November). Simulating Hearing Loss in Children. Speech, Language, Hearing Sciences Department Colloquium series, University of Arizona, Tucson, AZ.
- Pittman, A.L.** (2007, November). Isolating the Short- and Long-Term Effects of Hearing Loss: Simulating Hearing Loss in Children with Normal Hearing. EAR Foundation Conference, Phoenix, AZ.
- Pittman, A.L.** (2007, October). Early vs. Late Onset Hearing Loss: How Children Differ from Adults. Canadian Audiology Association Conference. Niagara Falls, Canada.
- Pittman, A.L.** (2006, October). Current Issues in Pediatric Amplification. University of Arizona, Tucson, AZ.
- Pittman, A.L.** (2004, November). Audiometric Configurations in Children. Sound Foundation through Early Amplification Conference, Chicago, IL.

Accepted Presentations (Podium)

- Pittman, A.L.** (2022, April) Optimizing NAL and DSL Prescriptions for Children with Adaptive Low-Level Gain, American Academy of Audiology Convention, St Louis, MO.
- Pittman, A.L.** (2022, February) Auditory-spatial perception and memory in children with hearing loss, American Auditory Society, Scottsdale, AZ
- *de Diego-Lazaro, B., **Pittman, A.L.**, & Restrepo, M.A. 11381: Is Bilingualism an Advantage for Word learning in Children with Hearing Loss? Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
- Pittman, A.L.** (2020, March) Auditory and Demographic Factors Affecting Word Learning in Children (and Adults) American Auditory Society, Scottsdale, AZ
- Pittman, A.L.** (2017, May). Children's word recognition, detection, and learning with transcutaneous and percutaneous bone-conduction stimulation. OSSEO 2017, Nijmegen, the Netherlands.
- McBride, I. & **Pittman, A.L.** (2016, October). Novel hearing aid fitting approach for outreach missions, Philippines.
- Pittman, A.L.** (2015, May). Benefits of high-frequency amplification in children and adults, OSSEO 2015, Lake Louise, Canada.
- Pittman, A.L.** (2015, March). The amplification of new information. Panel session at the American Academy of Audiology conference. San Antonio, TX. (Co-presenters: Jason Galster, Gurjit Singh, Doug Beck, Gabrielle Saunders, Brent Edwards, Christian Fullgrabe.)
- Pittman, A.L.** (2014, March). Competing Listening and Learning Strategies in Children with Hearing Loss. American Auditory Society, Scottsdale, AZ
- Pittman, A.L.** (2013, November). First things first: Children's ability to detect that a word is new to them. Presented as part of a panel discussion entitled: What's the Word in Word Learning Research? Latest Research Hot Off the Presses! American Speech-Language-Hearing Association Convention, Chicago, Illinois
- Pittman, A.L.** (2012, August). Word-Learning in Children with Hearing Loss using Digital Noise Reduction, International Hearing Aid Conference, Lake Tahoe, CA.
- Pittman, A.L.** (2012, March). Triggering the word-learning process in children with hearing loss. American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.** (2011, April). Benefits of Digital Noise Reduction to Children with Hearing Loss. Arizona Speech-Language-Hearing Association Convention, Tempe, AZ.
- Pittman, A.L.** (2010, November). Divided Attention in Children with Hearing Loss using Digital Noise Reduction. American Speech-Language-Hearing Association Convention, Philadelphia, PA.
- Pittman, A.L.**, Petersen, K., & Choat, C. (2010, March). Cognitive Resource Allocation in Children with Hearing loss. American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.**, Petersen, K., & Choat, C. (2010, February). Cognitive Resource Allocation in Children with Hearing loss. ASU Language and Cognition Colloquium, Tempe, AZ
- Gustafson, S., & **Pittman, A.L.** (2008, March). Sentence Perception of Children and Adults in a Series of Listening Conditions having Equivalent Speech Intelligibility Indices. American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.** (2007, March). Perceptual Coherence in Adults with Congenital and Acquired Hearing Losses. American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.**, Lewis, D.E., Hoover, B.M., and Stelmachowicz, P.G. (2005, March). How Extended

- High-Frequency Amplification Affects Word Learning in Children. American Auditory Society, Scottsdale, AZ.
- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., & Lewis, D.E. (2003, March). Learning Rate for Novel Words in Normal-Hearing and Hearing-impaired Children. 2003 American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.**, Moeller, M.P., & Stelmachowicz, P.G. (2003, March). Early Speech and Language Development in Children with Hearing Loss. 2003 American Auditory Society, Scottsdale, AZ.
- Lewis, D.L., **Pittman, A.L.**, Hoover, B.M. & Stelmachowicz, P.G. (2002, August) Interaction Between Amplification and the Spectral Characteristics of Self-Generated Speech in Children. International Hearing Aid Research Conference, Lake Tahoe, CA.
- Pittman, A.L.**, & Stelmachowicz, P.G. (2002, March) Audiometric Characteristics of Adults and Children. American Auditory Society, Scottsdale, AZ.
- Stelmachowicz, P.G., **Pittman, A.L.**, Lewis, D.E., & Hoover, B.M. (2002, March) Spectral Characteristics of Children's Speech: Implications for Self-Monitoring Through Amplification. American Auditory Society, Scottsdale, AZ.
- Pittman, A.L.**, Stelmachowicz, P.G., Lewis, D.E., & Hoover, B.M. (2001, November) Some Perceptual Weighting Strategies in Normal-Hearing and Hearing-Impaired Children and Adults. Sound Foundations through Early Amplification Conference, Chicago, IL.
- Pittman, A.L.**, Stelmachowicz, P.G., Lewis, D.E., & Hoover, B.M. (2001, March) Perceptual Weighting Strategies of normal-hearing and hearing-impaired children and adults. American Auditory Society, Scottsdale, AZ.
- Stelmachowicz, P.G., **Pittman, A.L.**, Lewis, D.E., & Hoover, B.M. (2001, March) Morpheme perception in normal-hearing and hearing-impaired children. American Auditory Society Meeting, Scottsdale, AZ.
- Stelmachowicz, P.G., **Pittman, A.L.**, Hoover, B.M., & Lewis, D.E. (2000, August) The effect of stimulus bandwidth on fricative perception in normal-hearing and hearing-impaired children and adults. International Hearing Aid Research Conference, Lake Tahoe, CA.
- Pittman, A.L.**, & Stelmachowicz, P.G. (2000, March) Perception of voiceless fricatives by normal-hearing and hearing-impaired children and adults. American Auditory Society Meeting, Scottsdale, AZ.
- Pittman, A.L.**, Lewis, D.E., Hoover, B., Stelmachowicz, P.G. (1999, March) Recognition performance for four combinations of FM and environmental microphone signals in adverse listening conditions. American Auditory Society, Scottsdale, AZ.

Accepted Posters

- Pittman, A.L.** & Stewart, E. (2022, February) Adaptive Low-Level Gain in Pediatric Hearing Aid Fittings, American Auditory Society Meeting, Scottsdale, AZ
- de Diego Lazaro, B., & **Pittman, A.L.** (2020, May). Is bilingualism an advantage for word learning in children with hearing loss? 41st Annual Symposium on Research in Child Language Disorders in Madison, Wisconsin.
- Lasrado, A., & **Pittman, A.L.** (2020, March) Does tension/placement of bone-conduction coupling systems affect word recall? American Auditory Society, Scottsdale, AZ.
- de Diego-Lazaro, B., **Pittman, A.L.**, & Restrepo, A. (2019, June). Inhibitory Control and Bilingual

Word Learning. International Symposium of Bilingualism, Alberta, Canada.
 de Diego-Lazaro, B., **Pittman, A.L.**, & Restrepo, A. (2019, March). Inhibitory Control and Word Learning in Children with Hearing Loss. American Auditory Society, Scottsdale, AZ.
 Stewart, E, Wisler, A., **Pittman, A.L.**, & Berisha, V. (2015, March). Speech Production Reflects Speech Perception in Listeners with Hearing Loss. American Auditory Society, Scottsdale, AZ.
Pittman, A.L., Pederson, A., & Rash, M. (2013, December). Effects of Frequency Compression on Children’s Detection of Unfamiliar Words. Phonak Sound Foundations for Early Amplification Conference in Chicago, IL.
Pittman, A.L. (2011, November). Word-learning in children with hearing loss using digital noise reduction. American Speech-Language-Hearing Association Convention, San Diego, CA.
Pittman, A.L., Stelmachowicz, P.G. (2000, August) Perception of voiceless fricatives by normal-hearing and hearing-impaired children and adults. International Hearing Aid Research Conference, Lake Tahoe, CA.
Page (Pittman), A.L. (1997, November) Test-retest Variability in Tympanometric Measures. American Speech, Language & Hearing Association, Boston, MA.
Page (Pittman), A.L., Chapman, R & Doherty, K. (1997, April) Screening Tympanometry in Down Syndrome Children and Adults. American Academy of Audiology Convention, Fort Lauderdale, FL.
Page (Pittman), A.L., Kramer, S.J., Novak, J., William, D., & Slymen, D. (November, 1994). Tympanometric Screening in Elementary School Children. American Speech, Language, and Hearing Association, San Antonio, TX.

Teaching

Courses taught - University of Wisconsin – Madison (1986-7)

Course#	Credits	Title	Enrollment
CD 320	3	Introduction to Audiology	100+
CD 720	3	Audiology for Speech Language Majors	15

Courses taught - Arizona State University (2004-present)

Course#	Credits	Title	Enrollment
ASU101 ⁺	1	The ASU Experience	18
SHS 311 ⁺	3	Physical and Physiological Bases of Hearing	100+
SHS 401 ^{+^o@}	3	Principles of Audiology	80-120
SHS 496 ⁺	3	Auditory Rehabilitation	60+
SHS 504L ^{+^}	4	Amplification I	12-15
SHS 510 ^{+^}	3	Amplification II	12-15
SHS 508 ^{+^@}	3	Pediatric Audiology	15-30
SHS 518 ⁺	3	Auditory Rehabilitation	10-15
SHS 523 ⁺	1	Advanced Audiometry	13
SHS 591 ⁺	2	Pediatric Amplification (seminar)	12
SHS 790 ⁺	1	PhD Pro-Sem – How to Present Research	6
SHS 790 ⁺	1	PhD Pro-Sem – Effective Course Development	3-6

⁺Traditional ^oOnline [^]Flipped classroom [@]ASUSync

PhD Students

2021-2022	Julia Chiossi	Dissertation Committee Member (University of Oslo)
2020-2021	Seeon Kim	Preliminary Exam Committee Member
2020-2021	Ilze Oosthuizen	Dissertation Reviewer (University of Pretoria South Africa)
2016-2019	Beatriz Lazaro	Dissertation Co-Chair
2013-2017	Elizabeth Stewart	Dissertation Chair
2010	Erica Williams	Dissertation Committee Member
2008	Mary Beth O'Sullivan	Dissertation Chair
2004	Anthony Spahr	Dissertation Committee Member

Graduate Research Projects

- 2021-22 Julia Chiossi (PhD), "Effect of stimulus discriminability on word learning in children with cochlear implants" (University of Oslo)
- 2020 Zahra Martinez (AuD), "Effect of stimulus audibility on the Auditory Verbal Memory task"
- 2020 Sarahi Perez (AuD), "Effect of asymmetric auditory perception on non-word detection."
- 2020 Seeon Kim (PhD), "Training of Mandarin tone recognition with amplitude envelope enhancement in cochlear implant simulation" First-year project.
- 2020 Alina Lasrado (AuD), "Effects of tension and placement of bone-conduction devices on word recognition and word recall."
- 2019 Nirali Govind (AuD), "Non-word repetition at threshold in children and adults with hearing loss"
- 2019 Nancy Flores (AuD), "Softband vs SoundArc Bone Conduction Coupling Variations"
- 2019 Alina Lasrado (AuD), "Softband vs SoundArc Bone Conduction Coupling Variations"
- 2018 Lauren Meadows (AuD), "Brain on fire: Why adolescents with hearing loss reject their hearing aids during puberty"
- 2017 Ashley Wright (AuD), "The Perceptual Learning of Words".
- 2017 Jacelyn Olson (AuD), "Relative benefits of transcutaneous vs. bone-anchored signal transmission for auditory tasks that vary in cognitive demand"
- 2016 Beatriz de Diego Lazaro (PhD), "Language Outcomes of Latino Children Who are Deaf or Hard of Hearing: A Multi-State Sample"
- 2016 James Schultz (AuD), "Bias in word recognition evaluation based on audiometric expectations"
- 2016 Allison Latto (AuD), "Passive learning of new words"
- 2014 Elizabeth Stewart (PhD), "Perception and Production in Adults and Children with Hearing Loss"
- 2014 Tia Mulrooney (AuD), "Relating speech intelligibility index necessary for perceiving speech and for learning new words."
- 2013 Madalyn Rash (AuD) "Lexical decisions and hearing loss" Third-year project
- 2013 Ashley Pederson (AuD) "Non-word detection and frequency compression" Third-year project
- 2012 Mollie Hiipakka (AuD) "Children's ability to manage advance amplification features" Third-year project

- 2012 Nicole Corbin (AuD) "Compilation of environmental sounds for future research" Third-year project
- 2011 Maria Hase (PhD) "Word learning in elementary school children with specific language disorders." First-year project
- 2010 Sarah Nunley (AuD) "Noise Reduction Effectiveness across Hearing Aid Models and Manufacturers" Third-year project
- 2010 Samantha Gustafson (AuD) "Acoustic and Behavioral Threshold Differences between insert earphones coupled to personal earmolds and foam tips" Third-year project
- 2009 Natasha Bertsch (AuD) "Domain specific cognitive resource allocation in adults" Third-year project
- 2008 Mary Beth O'Sullivan (PhD) "Word learning in children with hearing loss and noise-masked normal-hearing children" First-year project
- 2008 Kendell Vincent (AuD) "Simulating hearing loss in children with normal hearing: Isolating the short- and long-term effects of hearing loss" Third-year project
- 2008 Christina Sergi (AuD) "Optimal duration of daily preschool intervention for children with hearing loss" Third-year project

Undergraduate Honors Theses

- 2020 Andrina McDonald "Demographic and audiologic factors influencing emotional speech production in adults and children with cochlear implants"
- 2018 Nicole Marzan "New Vocabulary Knowledge in Adults with Hearing Loss"
- 2017 Amy Stahl, "Examining the Equivalence of Traditional vs. Automated Speech Perception Testing in Adult Listeners with Normal Hearing"
- 2013 Allison Latto "Hearing loss and receptive vocabulary development"
- 2012 Lane Gallett "Word learning by school-aged children: Effect of phonotactic probability and neighborhood density"
- 2009 Vanessa Tucker "Procedural discourse production in younger and older adults"
- 2008 Samantha Gustafson "Sentence perception of children and adults in a series of listening conditions having equivalent speech intelligibility indices"
- 2007 Brittany McFadden "Multitasking in noise for children with minimal sensorineural hearing loss"

Undergraduate Research Projects

- 2016 Amy Stahl "Adult's knowledge of new words"
- 2012 Amanda Willman "Effects of Frequency compression on word learning in adults and children with hearing loss"
- 2011 Faviola Tapia "Effects of bandwidth on word learning in children"
- 2011 Brittany Schuett "Triggering lexical development: The interaction between hearing loss and children's awareness of novel words." Summer/Fall
- 2009 Greta Eikenberry "Hearing loss and conversational discourse in older adults"
- 2009 Kristi Petersen "Concurrent task management in children with hearing loss"
- 2008 Chelsea Choat "Multitasking in children as a function of task difficulty"

- 2007 Rebecca Breshin “Optimal duration of daily preschool intervention for children with hearing loss”
- 2007 Leah Carter “Can the performance of noise-masked normal-hearing children differentiate the contributions of amplification characteristics from other factors that affect the speech perception of hearing-impaired children?”
- 2006 Erin Castioni “Filtered speech audiometry”
- 2006 Emily Davis “Extended high-frequency information promotes perceptual coherence”
- 2006 Melissa Johnson “Word learning patterns in normal-hearing and hearing-impaired children”
- 2006 Christina Adams “Maximizing speech perception tests to better predict aided benefit”
- 2006 Ann Hickox “Perceptual coherence of auditory objects in normal-hearing and hearing-impaired adults”

Mentored Teaching Experience

- 2020 Madeline Harrison – SHS 510 Amplification II
- 2019 Colton Clayton – SHS 401 Principles of Audiology
- 2016 Emily Venskytis – SHS 401 Principles of Audiology

SERVICE

Elected

- Chair, CHS Academic Standards and Grievance Committee 2021-2024
- Member, ASU Governance Grievance Committee 2021-2024

Appointed

- Member, SHS Undergraduate Program Committee
- Member, SHS AuD third-year Exam Committee
- Member, SHS Clinical Research Committee
- Chair, SHS Academic Program Review Committee

Professional

- BrainHearing Network, Core member 2020-present

Journals- Ad hoc reviewer

- American Journal of Audiology
- Ear and Hearing
- International Journal of Audiology
- Journal of the Acoustical Society of America
- Journal of Speech Language Hearing Research
- Journal of the American Academy of Audiology
- Journal of Otolaryngology
- Trends in Hearing

Scientific Review Panels

- Member, NIDCD 2023/01 ZDC1 SRB-Z (47) Opportunities for New Investigators to Promote Workforce Diversity
- Member, IES OKED CFDA 84.325K - as needed
- Member, Veterans Administration RR&D SPIRE - as needed

Member Defeating Deafness (UK) – as needed
Member, Lessons for Success – ASH Foundation - as needed

Memberships

American Speech Language Hearing Association
American Auditory Society

SERVICE - past

Department

Director, SHS AuD Program 2011-2018
Member, SHS PhD Program Committee
Member, SHS AuD Admissions and Program Committee 2004-2018
Member, SHS Policy, Procedures, and Budget Committee
Member, SHS Curriculum Committee 2014-2018
SHS Faculty Mentor
 2018 Jennifer Gonzales, Clinical Assistant Professor
 2018 Mollie Harding, Clinical Assistant Professor
 2018 Kristen Samuelson, Clinical Assistant Professor
 2017 Aparna Rao, Clinical Associate Professor
 2014 Kathy Wexler, Clinical Associate Professor
 2013 Amy Ariss, Clinical Associate Professor
 2013 Ingrid McBride, Clinical Associate Professor
 2012 Yi Zhou, Assistant Professor
SHS Teaching Mentor, Postdocs
 2012 Ting Zhang
 2017 Hope Lancaster

University

Member, CHS Academic Standards and Grievance Committee 2019-present
Member, ASU Senate 2019-2021
Member, ASU Senator, Student Affairs Committee 2011-2013
Member, CHS Personnel Committee 2013-2017
Member, ASU Social & Behavioral Institutional Review Board 2008-2011

Journals- Editor of some kind

Editor - Journal of Speech-Language-Hearing Services in the Schools
Guest Associate Editor - American Journal of Audiology
Guest Associate Editor - Journal of Speech Language Hearing Research

Professional

Chair, VA RR&D3 Sensory Systems and Communication Review Panel 2016-2020
Organizer – Pediatric Hearing Science Researchers Meeting, ASU March 2018
Audiology Advisory Council for National American Speech Language Hearing Association
State Representative for Arizona chapter of the Speech Language Hearing Association
OSSEO 2020 Scientific Advisory Board Member
ASHA 2019 Convention Committee Members - Hearing and Vestibular - Assessment and Intervention: Pediatric

PROFESSIONAL RECOGNITION AND ACCOMPLISHMENTS

Fellowships, Scholarships, and Awards

Leadership Award, ASU College of Health Solutions, 2018

Innovation Award, ASU College of Health Solutions, 2016

ASU, Nominated, Dean's Distinguished Teaching Award, 2005-2006

Loan Repayment Program, National Institutes of Health, 2003-2006

Traineeship, Department of Communicative Disorders, U.S. Department of Education,
University of Wisconsin - Madison; 1994-1997

Awarded the 1997 Student Research Grant in Audiology by the American Speech-Language-Hearing Foundation. Funded by the Ventry and Freidrich Memorial Funds.

Awarded the 1997 Outstanding Graduate Student in Audiology by the Wisconsin Speech-Language-Hearing Association. Funded by the Kim Simon Memorial Foundation.

Certification

Certificate of Clinical Competence in Audiology (1992-present) – American Speech-Language-Hearing Association