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Educational Training:

Institution and Location	Degree	Year	Field of Study
University of Miami, Coral Gables, FL	B.A.	1981	Speech & Hearing Science
Purdue University, West Lafayette, IN	M.S.	1984	Audiology

Professional Experience:

1985 – 87 Instructor of Audiology, Department of Otolaryngology and Communicative Sciences/Clinical Section, Medical University of South Carolina, Charleston, SC
1987 – Present Instructor of Audiology/Research, Department of Otolaryngology – Head & Neck Surgery/Research Section, Medical University of South Carolina, Charleston, SC

Professional Memberships:

American Speech, Language and Hearing Association (ASHA)
American Academy of Audiology

Certification and Licensures:

South Carolina License for Audiology
American Speech, Language and Hearing Association Certificate (C.C.C./A)

Selected peer-reviewed publications

Matthews LJ, Lee FS, Mills JH, Schum DJ (1990). Audiometric and subjective assessment of hearing handicap. *Arch Otolaryngol Head Neck Surg* 116, 1325-1330.
Schum DJ, Matthews LJ, Lee FS (1991). Actual and predicted word recognition performance of elderly, hearing-impaired listeners. *J Speech Hear Res* 34, 636-642.
Schum DJ, Matthews LJ (1992). SPIN test performance of elderly, hearing-impaired listeners. *J Am Acad Audiol* 3, 303-307.
Dubno JR, Lee FS, Klein AJ, Matthews LJ, Lam CF (1995). Confidence limits for maximum word-recognition scores. *J Speech Hear Res* 38, 490-502.
Matthews LJ, Lee FS, Mills JH, Dubno JR (1997). Extended high-frequency thresholds in older subjects. *J Speech Hear Res* 40, 208-214.
Dubno JR, Lee FS, Matthews LJ, Mills, JH (1997). Age-related and gender-related changes in monaural speech recognition. *J Speech Hear Res* 40, 444-452.
Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY (1998). Gender-specific effects of medicinal drugs on hearing levels of older persons. *Otolaryngol Head Neck Surg* 118, 221-227.
Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY (1998). Analysis of blood chemistry and hearing levels in a sample of older persons. *Ear Hear* 19, 180-190.
Mills JH, Matthews LJ, Dubno JR, Schulte BA, Weber PC (1999). Gender-specific effects of drugs on hearing levels of older persons. In: Henderson D, Salvi RJ, Quaranta A, McFadden SL, Burkard RF, Eds. *Ototoxicity: Basic Science and Clinical Applications, the Annuals of the New York Academy of Sciences*, Vol 884, New York: New York Academy of Sciences, 381-388.
Lee FS, Matthews LJ, Dubno JR, Mills JH (2005). Longitudinal study of pure-tone thresholds in older persons. *Ear Hear*, 26, 1-11.

Selected Abstracts:

- Lee FS, Matthews LJ, Schum DJ, Mills JH (1989). Relationship between hearing impairment and the communication profiles of the elderly. *Abstr Assoc Res Otolaryngol* 12, 51.
- Schum DJ, Matthews LJ, Lee FS (1989). Predicted and actual word recognition performance for elderly hearing-impaired listeners. *Abstr Assoc Res Otolaryngol* 12, 50.
- Schum DJ, Matthews LJ (1990). SPIN test performance of elderly hearing-impaired listeners. *Abstr Assoc Res Otolaryngol* 13, 183.
- Matthews LJ, Lee FS (1990). Clinical studies in the hearing-impaired elderly. Meeting of the SC Speech and Hearing Association, Myrtle Beach, SC.
- Matthews LJ, Lee FS (1993). Hearing handicap in elderly subjects. Meeting of the SC Speech and Hearing Association, Hilton Head, SC.
- Matthews LJ, Lee FS (1993). High-frequency hearing thresholds in elderly adults. *Abstr Am Acad Audiol* 5, 96.
- Dubno JR, Mills JH, Ahlstrom JB, Matthews LJ (1995). Masking and aging II: Human behavioral and auditory brainstem response thresholds. *J Acoust Soc Am* 97, 3281.
- Mills JH, Matthews LJ, Schmiedt RA, Boettcher FA, Dubno JR, Ahlstrom JB (1995). Masking and aging III: Human and gerbil neural input/output functions. *J Acoust Soc Am* 97, 3281.
- Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY (1996). Analysis of blood chemistry and hearing levels in a sample of older persons. *Abstr Assoc Res Otolaryngol* 19, 39.
- Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY (1996). Gender-specific effects of prescription drugs on hearing levels of older person. *Abstr Assoc Res Otolaryngol* 19, 41.
- Mills JH, Dubno JR, Matthews LJ, Schulte BA, Ahlstrom JB, Boettcher FA, Gratton MA, He NJ, Lee FS, Poth EA, Schmiedt RA (1997). New Findings in Auditory Aging. *Abstr Am Acad Audiol* 9, 63.
- Lee FS, Matthews LJ, Dubno JR, Mills JH (2001). Longitudinal study of pure-tone thresholds in older human subjects. *Abstr Assoc Res Otolaryngol* 24, 79.
- Matthews LJ, Lee FS, Dubno JR, Mills JH (2001). Hearing Handicap for the Elderly (HHIE): *Abstr Assoc Res Otolaryngol* 24, 80.
- Matthews LJ, Mills JH, Dubno JR (2001). Transient-evoked otoacoustic emissions (TEOAE): Effects of hearing loss, age, gender and noise exposure history. *Abstr Assoc Res Otolaryngol* 24, 80.
- Mills JH, Dubno JR, Boettcher FA, Matthews LJ, Ahlstrom JB (2001). Deriving estimates of auditory sensitivity in quiet-aged domestic gerbils. *Abstr Assoc Res Otolaryngol* 24, 82.
- Mills JH, Poth EA, Matthews LJ, Dubno JR (2001). Auditory brainstem responses (ABR) in a large sample of older adults. *Abstr Assoc Res Otolaryngol* 24, 82.

Research Support

Ongoing

P50 DC00422-18 Mills (PI) 7/1/02-6/30/07

NIH/NIDCD

Experimental and Clinical Studies of Presbycusis (Project 1, Individual Differences in Age-Related Hearing Loss)

This subproject provides psychophysical and electrophysiological assessments of individual differences in the aging monaural and binaural auditory system. The Principal Investigator of the P50 grant is Dr. John Mills.

Role: Co-Investigator