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EDUCATION

1973-77 B.S. in Animal Sciences National Taiwan University, Taipei, Taiwan
1977-79 M.S. in Animal Breeding National Taiwan University, Taipei, Taiwan
1982-87 Ph.D. in Biostatistics and Medical University of South Carolina,
Systems Sciences Charleston, SC

EXPERIENCE

1993-present Assistant Professor
Department of Otolaryngology and Communicative Sciences,
Medical University of South Carolina.
1987-93 Instructor
Department of Otolaryngology and Communicative Sciences,
Medical University of South Carolina.
1987 Research associate: Database Management for the Dept. of OB/GYN, MUSC.
Instructor: Multivariate Methods in Biology and Medicine.
1986 Research assistant: Development of Shrimp Landings Models.
1986 Teaching assistant: Introduction of Biomedical Computing.
Research: Biomedical Instrumentation for Cephalometric Study.
1985 Statistical consultant: Diabetes Study.
1984 Statistical consultant: Study of Vaginal Physiology of Postmenopausal Women.
1981-82 Research assistant: Pig Research Institute in Taiwan.
1979-81 Military teaching officer in Mathematics.

AWARDS AND HONORS

1995 Editor's Award: Journal of Speech and Hearing Research
1987 Honor of Academic All-American Collegiate
1986 Mu Sigma Rho, National Statistical Honor Society
1981 PRIT Research Grant, Pig Research Institute in Taiwan
1978 Handle Scholarship, National Taiwan University
1977, 78 Graduate School Student of the Year Award, National Taiwan University
1974, 75, 76 Student of the Year Award, National Taiwan University

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Association for Research in Otolaryngology
ICSA (International Chinese Statistical Association)
Mu Sigma Rho (National Statistical Honor Society)
IEEE (Institute of Electrical and Electronics Engineers)
Chinese-American Academic and Professional Association

INVITED LECTURES

3/8/90 American Speech-Language-Hearing Association Convention, Myrtle Beach, SC
"Clinical Studies in the Hearing Impaired Elderly"
2/27/93 American Speech-Language-Hearing Association Convention, Hilton Head, SC
"Hearing Handicap in Elderly Subjects"

PUBLICATIONS

Lee FS The study of economic traits in swine [M.S. Thesis]. Taipei, Taiwan: National Taiwan University, 1979. 96 p.

Lee FS A unified approach for shape analysis of the skull using principal dilations and regression [Ph.D. Dissertation]. Charleston, South Carolina: Medical University of South Carolina, 1987. 101 p.

Lee FS, Lam CF, Chiang YC Algebraic determination of principal dilations of shape change with application to cephalometric studies. Proceedings of the Thirteenth Annual Northeast Bioengineering Conference. Philadelphia: Institute of Electrical and Electronics

Engineers, 1987:116-9.

Tsai CC, Semmens JP, Semmens EC, Lam CF, Lee FS Vaginal physiology in postmenopausal women: PH value, transvaginal electropotential difference and blood flow estimate. *Southern Medical Journal* 1987;80:987-90.

Lee FS, Matthews LJ, Mills JH, Schum DJ Relationship between hearing impairment and the communication profiles of the elderly. Twelfth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 1989. p. 51.

Lam CF, Whitaker JD, Lee FS Model for white shrimp landings for the central coast of South Carolina. *North American Journal of Fisheries Management* 1989;9:12-22.

Smith DI, Lee FS, Mills JH Middle latency response: frequency and intensity effects. *Hearing Research* 1989;42: 293-303.

Matthews LJ, Lee FS, Mills JH, Schum DJ Audiometric and subjective assessment of hearing handicap. *Archive of Otolaryngology Head Neck Surgery* 1990;116:1325-30.

Lee FS, Lam CF, Spicer SS, Schulte BA, Adams JC A probability model for assessing autoimmune hearing loss in human subjects. Fourteenth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 1991. p. 52.

Tarnowski B, Schmiedt RA, Hellstrom LI, Lee FS, Adams JC Age-related changes in cochleas of Mongolian gerbils. *Hearing Research*, 1991; 54:123-34.

Schum DJ, Matthews LJ, Lee FS Actual and predicted word-recognition performance of elderly, hearing-impaired listeners. *Journal of Speech and Hearing Research* 1991;34:636-42.

Dubno JR, Lee FS, Matthews LJ, Lam CF, Klein AJ Confidence limits for maximum word-recognition scores. *Journal of Speech and Hearing Research*, 1995; 38:490-502.

Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY Analysis of blood chemistry and hearing levels in a sample of older persons. Nineteenth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 1996. p. 39.

Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY Gender-specific effects of prescription drugs on hearing levels of older persons. Nineteenth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 1996. p. 41.

Mills JH, Lee FS, Dubno JR, Boettcher FA Interactions between age-related and noise-induced hearing loss. In: Axelsson A, Borchgrevink HM, Hamernik RP, Hellstrom PA, Henderson D, Salvi RJ, eds. *Scientific Basis of Noise-Induced Hearing Loss*. New York: Thieme, 1996:193-213.

Gratton MA, Lee FS, Schmiedt RA Correlation of hearing loss with cochlear pathology in aged gerbils. Twentieth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 1997. p. 104.

Matthews LJ, Lee FS, Mills JH, Dubno JR Extended high-frequency thresholds in older adults. *Journal of Speech Language and Hearing Research*, 1997; 40:208-214.

Dubno JR, Lee FS, Matthews LJ, Mills JH Age-related and gender-related changes in monaural speech recognition. *Journal of Speech Language and Hearing Research*, 1997; 40:444-452.

Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY Gender-specific effects of medicinal drugs on hearing levels of older persons. *Otolaryngology - Head and Neck Surgery*, 1998; 118:221-227.

Lee FS, Matthews LJ, Mills JH, Dubno JR, Adkins WY Analysis of blood chemistry and hearing levels in a sample of older persons. *Ear and Hearing*, 1998; 19:180-190.

Mills JH, Matthews LJ, Lee FS, Dubno JR, Schulte BA, Weber PC (1999). Gender-specific effects of drugs on hearing levels of older persons. In *Ototoxicity*, Henderson D, Salvi RJ, Quaranta A, McFadden SL, Burkard RF (eds).

Lee FS, Matthews LJ, Dubno JR, Mills JH Longitudinal study of pure-tone thresholds in older subjects. Twenty-fourth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 2001. p. 79.

Matthews LJ, Lee FS, Dubno JR, Mills JH Hearing Handicap Inventory for the Elderly (HHIE): Relationship to audiometric measures of hearing in a large sample of older persons. Twenty-fourth Midwinter Research Meeting of Association for Research in Otolaryngology. St. Petersburg, FL. 2001. p. 80.

Meetze K, Gillespie MB, Lee FS Obstructive sleep apnea: A comparison of African-American and Caucasian Subjects. *Laryngoscope*, 2002; 112:1271-1274.

Gillespie MB, Brodsky MB, Day TA, Lee FS, Martin-Harris B (2004). Swallowing-related quality of life after head and neck cancer treatment. *Laryngoscope* 114, 1362-1367.

Taylor, MJ, Song YC, Chen ZZ, Lee FS, Brockbank KG (2004). Interactive determinants for optimized stabilization of autologous vascular grafts during surgery. *Cell Preservation Technology*, In print.

Lee FS, Matthews LJ, Dubno JR, Mills JH (2004). Longitudinal study of pure-tone thresholds in older persons. *Ear Hear*, In print.