

# **CURRICULUM VITAE**

**Debra J. Wilmington, Ph.D.**

## **Education**

Emory University, Atlanta, GA B.S. (Biology)	1983 – 1987
University of Texas Graduate School of Biomedical Science, Houston, TX Ph.D. (Biomedical Science)	1987 – 1992

## **Employment**

Investigator, National Center of Rehabilitative Auditory Research U.S. Department of Veterans Affairs Medical Center, Portland, OR	2005 – present
Assistant Professor, Department of Otolaryngology, Head and Neck Surgery, Oregon Health & Science University, Portland, OR	2007 - present
Clinical Research Associate, Facilitators of Applied Clinical Trials David Grant Medical Center, Travis Air Force Base, CA	1992 – 1994
Graduate Student Research Assistant III, Department of Otolaryngology University of Texas Medical School, Houston, TX	1987 - 1991
Neuroanatomy Teaching Assistant, Department of Neuroscience University of Texas Medical School, Houston, TX	1989

## **Current Grants**

Prevention of Cisplatin Ototoxicity with the Antioxidant Alpha Lipoic Acid. Principal Investigator, VA Rehabilitation, Research and Development Merit Award, Portland VA Medical Center, National Center for Rehabilitative Auditory Research.

A Portable Ototoxicity Monitoring Device (the OtoID). Principal Investigator, VA Rehabilitation, Research and Development Merit Award, Portland VA Medical Center, National Center for Rehabilitative Auditory Research.

Effects of Training on Central Auditory Function in Multiple Sclerosis. Co-Investigator under Dennis Bourdette, M.D., Principal Investigator. VA Rehabilitation, Research and Development Merit Award, Portland VA Medical Center, National Center for Rehabilitative Auditory Research.

## Publications

- Dille MF, Wilmington D, McMillan GP, Helt W, Fausti SA, Konrad-Martin, D. Development and validation of cisplatin dose-ototoxicity risk for adult cancer patients. *Ear and Hearing*.
- Wilmington DJ, Konrad-Martin DL, Helt WJ, Dille MF, Gordon JS, Fausti SA. Ototoxicity Monitoring: Program Approaches and Considerations. *Sem Hear*. 2011.
- Hutter MM, Folmer RL, Shannon JM, Lewis MS, Wilmington DJ, Lilly DJ, Casiana L, Billings CJ, Fitzpatrick MA, Bourdette DN, Fausti SA. Central auditory processing deficits in multiple sclerosis patients. *Intl J of MS Care*, 2010; 12 (Supplement 1): 38.
- Wilmington, D., Lewis, M.S., Myers, P., Gallun, E., & Fausti, S. (2010). Hearing Impairment Among Soldiers: Special Consideration for Amputees. In P. Pasquina (ed.) *Care of the Combat Amputee*. Bethesda: Borden Institute, Chapter 14:381-397.
- Fausti SA, Wilmington DJ, Gallun FJ, Myers PJ, Henry JA. (2009). Auditory and Vestibular Dysfunction Associated with Traumatic Brain Injury. *J Rehab Res Dev*. 46(6):797–810.
- Myers PJ, Wilmington DJ, Gallun FJ, Henry JA, Fausti SA. (2009). Hearing Impairment and Traumatic Brain Injury Among Soldiers: Special Considerations for the Audiologist. *Seminars in Hearing Journal*, 30(1):5-27, 2009.
- Lewis MS, Wilmington DJ, Hutter MM, Lily DJ, Bourdette DN, Fausti SA. (2008). Auditory function in individuals with multiple sclerosis. *MS Focus*, 10(1), 12-15.
- Reavis KM, Phillips DS, Fausti SA, Gordon JS, Helt WJ, Wilmington DJ, Bratt GW, Konrad-Martin D. (2008). Factors affecting sensitivity of distortion-product otoacoustic emissions to ototoxic hearing loss. *Ear and Hear*. 29(6):875-93.
- Lewis, M.S., Hutter, M., Fausti, S., Wilmington, D., Bourdette, D., Lilly, D. (2008). Assessment and management of auditory problems in individuals with multiple sclerosis. *NCRAR Newsletter*, 8(3), 1,3.
- Wilmington DJ, Konrad-Martin D, Gordon J, Helt W, Fausti SA. (2007). Ototoxicity: Diagnosis and Treatment. *NCRAR Newsletter*.
- Konrad-Martin, D., Wilmington, D.J., Gordon, J.S., Reavis, K.M. & Fausti, S.A. (2005). Audiological Management of Patients Receiving Aminoglycoside Antibiotics. *Volta Review*.105(3):229-250.
- Fausti, S.A., Wilmington, D.J., Helt, P.V., & Helt, W.J. (2005). Hearing Health and Care – The Need for Improved Hearing Loss Prevention and Hearing Conservation Practices. *J Rehab Res Dev*, 42(4).

- Konrad-Martin, D., Gordon, J.S., Reavis, K.M., Wilmington, D.J., & Helt, W.J. (2005). Audiological Monitoring of Patients Receiving Ototoxic Drugs. *ASHA Special Interest Division 6, Hearing and Hearing Disorders: Research and Diagnostics* 2005; 9: 17-21.
- Wilmington, D., Gray, L. & Jahrsdoerfer, R. (1994). Binaural processing after corrected unilateral conductive hearing loss. *Hear Res*, 74:99-114.
- Gray, L., Wilmington, D., & Jahrsdoerfer, R. (1994). Absence of “Amblyocosis” after Atypical Binaural Experience (Abs.). *J Acoust Soc Am*, 95, 2917.
- Hall, J.W., III, Albeck, D., Jahrsdoerfer, R.A., & Gray, L. (1988). Air-vs. bone-conduction auditory brainstem response in aural atresia. *Am Speech-Lang-Hear Assoc.* 30, 174.

## **Presentations**

- Konrad-Martin D, McMillan G, Wilmington DJ, Dille M. Sensitive and Sensible Measures for Identifying Ototoxicity. JDVA Conference. San Diego, Feb, 2011.
- Lewis MS, Rooney W, Krisky C, Polarro J, Hutter M, Wilmington D, Casiana L, Fausti S, Folmer R, Mcmillan G, Lilly D, , Fitzpatrick M, Bourdette D. Anatomical correlates of dichotic listening in patients with Multiple Sclerosis. Poster presented at ICHON meeting, August 2010.
- Lewis, M.S., Rooney, W., Krisky, C., Pollaro, J., Hutter, M., Wilmington, D., Casiana, L., Fausti, S., Folmer, R., McMillan, G., Lilly, D., Fitzpatrick, M., & Bourdette, D. (2010, August). Anatomical correlates of temporal resolution in patients with multiple sclerosis. Poster presentation given at the International Hearing Aid Research Conference, Lake Tahoe, CA.
- Lewis MS, Hutter M, Casiana L, Shannon J, Wilmington D, Rooney W, Folmer R, Lilly D, Fausti S, Fitzpatrick M, Bourdette D. Behavioral CAP findings in patients with multiple sclerosis. Presented at AudiologyNOW!, San Diego, CA, April 2010.
- Lewis MS, Folmer R, Hutter M, Shannon J, Casiana L, Wilmington D, Lilly D, Fausti S, Fitzpatrick M, Bourdette D. Auditory training for individuals with multiple sclerosis. Poster presentation given at AudiologyNOW!, San Diego, CA, April 2010.
- Folmer R, Hutter M, Shannon J, Lewis MS, Wilmington D, Casiana L, Billings C, Fitzpatrick M, Fausti S, Bourdette D. Evoked potential measures of central auditory processing in patients with multiple sclerosis. Presented at AudiologyNOW!, San Diego, CA, April 2010.
- Hutter MM, Folmer RL, Shannon JM, Lewis MS, Wilmington DJ, Lilly DJ, Casiana L, Billings CJ, Fitzpatrick MA, Bourdette D, Fausti SA. Central Auditory Processing in Patients with Multiple Sclerosis. Presented at the Consortium for Multiple Sclerosis Centers meeting, San Antonio, TX, June 2010.

- Saunders GH, Fausti SF, Folmer RL, Gallun FJ, Henry JA, Myers PJ, Leek MR, Wilmington DJ. Ongoing Research at the National Center for Rehabilitative Auditory Research: VA-DoD Collaborations and other Studies. Presented at the JDVAC meeting, Orlando, FL, February, 2010.
- Lewis MS, Hutter M, Casiana L, Wilmington D, Lilly D, Bourdette D, Fitzpatrick M, Rooney W, Folmer R., Shannon J, Fausti SA: "*Can auditory training benefit individuals with multiple sclerosis?*" Poster presentation at the annual meeting of the Consortium of Multiple Sclerosis Centers, Atlanta, GA, May, 2009.
- Lewis MS, Hutter M., Wilmington D, Lilly D, Bourdette D, Fitzpatrick M, Fausti SA: "*Multiple sclerosis: Effects on subjective hearing problems and hearing handicap.*" Poster presentation at the annual meeting of the Consortium of Multiple Sclerosis Centers, Atlanta, GA. May, 2009.
- Folmer RL, Hutter MH, Shannon J, Lilly D, Casiana L, Lewis MS, Wilmington DJ, Fausti SA, Bourdette D. Electrophysiological Measures of Central Auditory Processing in Patients with Multiple Sclerosis. CMSC Meeting, May 2009.
- Fausti SA, Wilmington DJ, Gallun FJ, Lewis MS, Myers P. (2007). Hearing Impairment in Soldiers. Consensus Conference for the State of the Art in Care for Rehabilitation of the Combat Amputee, San Antonio, TX.
- Gordon J, Konrad-Martin D, Reavis K, Wilmington D., Bratt G, & Fausti S. (2007). Comparing audiometric threshold shift definitions for ototoxicity detection. Talk presented at the 2007 Convention of the American Speech-Language-Hearing Association in Boston, November 17, 2007.
- Konrad-Martin D, Reavis KM, Gordon JS, Helt WJ, Fausti SA. Relationship between ototoxic induced behavioral threshold changes and DPOAE changes. Podium presentation at the American Speech-Language and Hearing Association, November 17, 2007.
- Wilmington, D., Gary, L. & Jahrsdoerfer, R. (1990) Effects of abnormal early auditory experience on the development of binaural processing (Abs). Presented at the Association for Research in Otolaryngology meeting, St. Petersburg, FL.