

MELINDA C. FREYALDENHOVEN, PH.D., CCC-A
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HONORS AND AWARDS

- 2006 “The Best of Audiology Literature 2005” by Brad A. Stach in *The Hearing Journal*: Manuscript named in “Most Thought Provoking.” **Freyaldenhoven MC**, Thelin JW, Plyler PN, Nabelek AK, & Burchfield SB. (2005). Effect of stimulant medication on the acceptance of background noise in individuals with attention deficit/hyperactivity disorder. *Journal of the American Academy of Audiology*. 16:677-685.
- 2006 Featured Presentation on cover of *Audiology Online eLearning Supplement* (1). **Freyaldenhoven M**, Plyler P. (May 2006). Acceptable Noise Level and Hearing Aid Use. Invited oral internet presentation for Audiology Online. (Knoxville, TN).
- 2005 “Is There a Link between Attention Deficit Disorder and Auditory Professing Disorder” by James Jerger in the *Journal of the American Academy of Audiology*: Featured manuscript. **Freyaldenhoven MC**, Thelin JW, Plyler PN, Nabelek AK, & Burchfield SB. (2005). Effect of stimulant medication on the acceptance of background noise in individuals with attention deficit/hyperactivity disorder. *Journal of the American Academy of Audiology*. 16:677-685.
- 2003 Honor Graduate, Department of Audiology and Speech Pathology, University of Tennessee
- 2001 Honor Graduate, Department of Speech-Language Pathology, University of Central Arkansas
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GRANTS/SUPPORTED RESEARCH

- 2006 American Speech, Language, and Hearing Association Student Travel Award for Research. “Effect of speech presentation level on acceptance of noise in hearing aid users.” \$500 awarded.
- 2005 National Institutes of Health, Ruth L. Kirschstein National Research Service Award. “Effect of venting and low-frequency gain compensation on performance in noise with directional hearing instruments.” Pre-doctoral Fellowship; Principal Investigator: **Melinda C. Freyaldenhoven**. Faculty Sponsors Anna K. Nabelek and Patrick N. Plyler \$56,246 awarded.
- 2005 EmTech Laboratories. “The effects of venting and low-frequency gain compensation on performance in noise with directional hearing instruments.” Principal Investigators Patrick N. Plyler and **Melinda C. Freyaldenhoven**: \$1,400 of equipment awarded.
- 2005 Starkey Laboratories. “The effects of venting and low-frequency gain compensation on performance in noise with directional hearing instruments.” Principal Investigators Patrick N. Plyler and **Melinda C. Freyaldenhoven**: \$1870 of equipment awarded.
- 2005 University of Tennessee Scholarly Activity and Research Incentive Fund (SARIF). “The effects of speech presentation level on the acceptance of noise in listeners with normal and impaired hearing.” Principal Investigators Patrick N. Plyler and **Melinda C. Freyaldenhoven**: \$2,000 awarded.
- 2003 National Institutes of Health, National Institute for Deafness and Other Communication Disorders R01 Supplement. “New Test for Predicting Hearing Aid Use Continuation.” Principal Investigators Anna K. Nabelek and **Melinda C. Freyaldenhoven**: \$23,500 awarded.
- 2001 National Institutes of Health, National Institute for Deafness and Other Communication Disorders R01 Supplement. “New Test for Predicting Hearing Aid Use.” Principal Investigators Anna K. Nabelek and **Melinda C. Freyaldenhoven**: \$46,061 awarded

RESEARCH

Publications

1. **Freyaldenhoven MC**, Smiley DF. (in press). Acceptance of background noise in children with normal hearing. Journal of Education Audiology.
2. Nabelek A, **Freyaldenhoven M**, Tampas J, Burchfield S, Muenchen R. (2006). Acceptable noise level as a predictor of hearing aid use. Journal of the American Academy of Audiology 17(9), 626-639.
3. **Freyaldenhoven M**, Smiley DF, Muenchen R, Konrad T. (2006). Acceptable noise level: reliability measures and comparison to background noise preference. Journal of the American Academy of Audiology 17(9), 640-648.
4. **Freyaldenhoven M**, Plyler P, Thelin J, Burchfield S. (2006). Acceptance of noise with monaural and binaural hearing aid use. Journal of the American Academy of Audiology 17(9), 659-666.
5. **Freyaldenhoven M**, Plyler P, Thelin J, Nabelek A, Burchfield S. (2006). The effects of venting and low frequency gain compensation on performance in noise with directional hearing instruments. Journal of the American Academy of Audiology 17(3), 168-178.
6. **Freyaldenhoven M**, Thelin J, Plyler P, Nabelek A, Burchfield S. (2005). Effect of stimulant medication on the acceptance of background noise in individuals with attention deficit/hyperactivity disorder. Journal of the American Academy of Audiology 16(9) 677-686.
7. **Freyaldenhoven M**, Nabelek A, Burchfield S, Thelin J. (2005). Acceptable noise level (ANL) as a measure of directional benefit. Journal of the American Academy of Audiology 16(4) 228-236.

Manuscripts in Preparation, Review, or Revision

1. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M. (under revision). The Effects of Speech Presentation Level on Acceptance of Noise in Listeners with Normal and Impaired Hearing. Journal of Speech, Language, and Hearing Research.
2. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M, Huck S. (in review). Effect of Speech Presentation Level on Acceptance of Noise in Full-time, Part-time, and Non-users of Hearing Aids. Journal of Speech, Language, and Hearing Research.

Presentations

1. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M, Huck S. (November, 2006). Effect of Speech Presentation Level on Acceptance of Noise in Listeners with Normal and Impaired Hearing. Poster presentation at the 60th Annual American Speech, Language, and Hearing Association Convention (Miami, FL).
2. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M, Huck S. (November, 2006). Effect of Speech Presentation Level on Acceptance of Noise in Full-time, Part-time, and Non-users of Hearing Aids. Poster presentation at the 60th Annual American Speech, Language, and Hearing Association Convention (Miami, FL).

3. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M, Huck S. (August, 2006). Effect of Speech Presentation Level on Acceptance of Noise in Listeners with Normal and Impaired Hearing. Poster presentation at the International Hearing Aid Research Conference (Lake Tahoe, CA).
4. **Freyaldenhoven M**, Plyler P, Thelin J, Hedrick M, Huck S. (August, 2006). Effect of Speech Presentation Level on Acceptance of Noise in Full-time, Part-time, and Non-users of Hearing Aids. Poster presentation at the International Hearing Aid Research Conference (Lake Tahoe, CA).
5. **Freyaldenhoven M**, Plyler P. (May 2006). Acceptable Noise Level and Hearing Aid Use. Invited oral internet presentation for Audiology Online. (Knoxville, TN).
6. **Freyaldenhoven M**, Plyler P, Thelin J, Burchfield S. (April, 2006). Acceptance of Noise with Monaural and Binaural Hearing Aid Use. Poster presentation at the 18th Annual American Academy of Audiology Convention (Minneapolis, MN).
7. **Freyaldenhoven M**, Fisher-Smiley D. (April, 2006). Acceptance of Noise in Children with Normal Hearing. Poster presentation at the 18th Annual American Academy of Audiology Convention (Minneapolis, MN).
8. Rigsby J, Kerwin J, **Freyaldenhoven M**, Burchfield S. (April, 2006). Influence of Speaker Location on the Acceptable Noise Level. Poster presentation at the 18th Annual American Academy of Audiology Convention (Minneapolis, MN).
9. **Freyaldenhoven M**, Thelin J, Plyler P, Nabelek A, Burchfield S. (April, 2005). Effect of Stimulant Medication on the Acceptance of Noise. Oral presentation at the 17th Annual American Academy of Audiology Convention (Washington, D.C.)
10. **Freyaldenhoven M**, Plyler P, Thelin J, Nabelek A, Burchfield S. (April, 2005). The Effects of Venting and Gain Compensation in Directional Aids. Poster presentation at the 17th Annual American Academy of Audiology Convention (Washington, D.C.)
11. Nabelek A, Burchfield S, Tampas J, **Freyaldenhoven M**. (November, 2004). Relationship between acceptance of background noise and hearing aid use. Invited oral presentation at the 11th Annual Sol Adler Memorial Conference. (Knoxville, TN).
12. Nabelek A, Burchfield S, Tampas J, **Freyaldenhoven M**. (August, 2004). Relationship between acceptance of background noise and hearing aid use. Invited oral presentation at the International Hearing Aid Research Conference. (Lake Tahoe, CA).
13. **Freyaldenhoven M**, Nabelek A, Burchfield S, Thelin J, Webster J. (April, 2004). Quantification of Directional Microphone Hearing Aid Benefit: Comparison of Acceptable Noise Level, Masked Speech Recognition Threshold, Ear Canal Signal-to-Noise Ratio and Abbreviated Profile of Hearing Aid Benefit. Poster presentation at the 16th Annual American Academy of Audiology Convention. (Salt Lake City, UT).
14. Nabelek A, Burchfield S, Tampas J, **Freyaldenhoven M**. (April, 2004). Background noise acceptance and hearing aid use. Poster presentation at the 16th Annual American Academy of Audiology Convention. (Salt Lake City, UT).

15. **Freyaldenhoven M**, Nabelek A, Burchfield S, Thelin J, Webster J. (May, 2003). Quantification of Directional Microphone Hearing Aid Benefit: Comparison of Acceptable Noise Level, Masked Speech Recognition Threshold, Ear Canal Signal-to-Noise Ratio and Abbreviated Profile of Hearing Aid Benefit. Poster presentation at the 145th Acoustical Society of American Convention. (Nashville, TN).
16. Nabelek A, Burchfield S, Webster J, **Freyaldenhoven M**. (May, 2003). Relationship between acceptance of background noise and hearing aid use. Poster presentation at the 145th Acoustical Society of American Convention. (Nashville, TN).
17. Nabelek A, Burchfield S, Webster J, **Freyaldenhoven M**. (August, 2002). A preliminary report about acceptance of background noise and hearing aid use. Poster presentation at the International Hearing Aid Research Conference (Lake Tahoe, CA).