

**Curriculum Vitae**

Notarization. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

*Sandra Gordon-Salant*

Signature

Date 7.12.2021

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**I. Personal Information**

**I.A. Name and Contact info:**

Gordon-Salant, Sandra (UID: 101268675)  
Department of Hearing and Speech Sciences  
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**I.B. Academic Appointments**

1975 Research Fellow, Office of Demographic Studies, Gallaudet College  
1977-80 Graduate Research and Teaching Assistant, Northwestern University  
1980 Lecturer, Program in Audiology, Northwestern University  
1981-1996 Assistant to Associate to Full Professor, HESP, UMCP  
1991 - 2000 Guest Scientific Investigator, Longitudinal Studies Branch,  
Gerontology Research Center, National Institute on Aging, NIH  
1992 – Faculty, Neuroscience and Cognitive Science (NACS) program, UMD  
2015 - Faculty, Language Science Center (LSC), UMD

**I.C. Administrative Appointments at UMD**

2002 - Director, Doctoral Program in Clinical Audiology, UMCP  
2014 - 2017 Director, Graduate Studies, HESP, UMCP

**I.D. Other Employment**

1979-80 Clinical Audiologist, Private Practice, Park Ridge, IL  
1978-79 Clinical Audiologist, Oak Park Hearing and Speech Center, Oak Park, IL  
1976-77 Clinical Audiologist, Gallaudet College, Washington, D.C.

**I.E. Education**

1974 B.S. (Speech Pathology) SUNY Albany, Albany, NY  
1976 M.A. (Audiology) Northwestern University, Evanston, IL  
1981 Ph.D. (Audiology) Northwestern University, Evanston, IL

I.G. Professional Certifications, Licenses, and Memberships

Certified by the American Speech-Language-Hearing Association (CCC-A), since 1977

Licensed by the Maryland State Board of Audiologists, since 1981

Fellow of the American Academy of Audiology, since 1991

Member of: American Speech-Language-Hearing Association (ASHA)  
Acoustical Society of America  
Association for Research in Otolaryngology  
American Auditory Society  
American Academy of Audiology

**II. Research, Scholarly, and Creative Activities**

II.A.2. Books edited.

Gordon-Salant, S., & Frisina, R. (Eds.) (2010). *The Aging Auditory System: Perceptual Characterization and Neural Bases of Presbycusis*. Springer Science + Business Media, LLC.

II.B.1. Chapters in books

1. Gordon-Salant, S. (1987). Basic hearing evaluation. In Mueller, H. G. & V. C. Geoffrey (Eds.), *Communication Disorders in Aging*, Gallaudet College Press.
2. Gordon-Salant, S. (1991). Audiological Assessment: Behavioral. In Ripich, D. (Ed.), *Handbook of Geriatric Communication Disorders*, Pro-Ed, p. 367-394.
3. Gordon-Salant, S. (1991). Special amplification considerations for elderly individuals. In Studebaker, G., Bess, F., & Beck, L. (Eds.), *The Vanderbilt Hearing Aid Report - II*, York Press, Inc., p. 245-259.
4. Brant, L.J., Metter, E.J., Gordon-Salant, S., Pearson, J.D., & Fozard, J.L. (1992). Modifiable factors affecting age-related hearing loss. In Bouma, H., & Graafmans, J.A.M. (Eds.). *Gerontechnology Series: Studies in Health Technology and Informatics*, 3, 265-270.
5. Fozard, J.L., Schieber, F., Gordon-Salant, S., & Weiffenbach, J. (1993). Sensory and perceptual considerations in designing environments for the elderly. *Life-span Design of Residential Environments for an Aging Population*. Washington, DC: American Association of Retired Persons.
6. Gordon-Salant, S. (1996). Hearing, In Birren, J.E. (Ed.), *Encyclopedia of Gerontology: Age, Aging, and the Aged*, San Diego: Academic Press, Inc., 643-653.
7. Fozard, J.L. & Gordon-Salant, S. (2001). Sensory and perceptual changes with aging. In Birren, J.E. & Schaie, K.W. (Eds.), *Handbook of the Psychology of Aging, Fifth Edition*, San Diego: Academic Press, Inc., 241 - 266.

8. Gordon-Salant, S. (2002). Hearing. In Ekerdt, D.J., Applebaum, R.A., Holden, K.C., Post, S.G., Rockwood, K., Schulz, R., Sprott, R.L., & Uhlenberg, P. (Eds.). *The Encyclopedia of Aging*, New York: Macmillan Reference USA.
  9. Fitzgibbons, P.J., & Gordon-Salant, S. (2010). Behavioral studies with aging humans – psychoacoustics. In Gordon-Salant, S., & Frisina, R. (Eds.). *The Aging Auditory System: Perceptual Characterization and Neural Bases of Presbycusis*. NY: Springer.
  10. Gordon-Salant, S., & Frisina, R. (2010). Introduction and overview. In Gordon-Salant, S., & Frisina, R. (Eds.). *The Aging Auditory System: Perceptual Characterization and Neural Bases of Presbycusis*. New York: Springer.
  11. Gordon-Salant, S. (2014). Aging, hearing loss and speech understanding: Stop shouting, I can't understand you. In Popper, A., & Fay, R.R. (Eds.). *Perspectives on Auditory Research*, New York: Springer, pp. 211-228.
  12. Gordon-Salant, S., Wingfield, A., & Shader, M. (2020). Age-related changes in speech understanding: Peripheral vs. cognitive influences. In Helfer, K., Bartlett, E., Popper, A., & Fay, R.R. (Eds.). *The Aging Auditory System, 2<sup>nd</sup> Edition*. New York: Springer. pp. 199-230.
- II.C.1. Refereed Journal Articles (\* indicates student author)
1. Gordon-Salant, S., & Wightman, F.L. (1983). Speech competition effects on synthetic stop-vowel perception by normal and hearing-impaired listeners. *Journal of the Acoustical Society of America*, 73, 1756-1765.
  2. Gordon-Salant, S. (1984). Effects of reducing low frequency amplification on consonant perception in quiet and noise. *Journal of Speech and Hearing Research*, 27, 483-493.
  3. Gordon-Salant, S. (1985). Phoneme feature perception in noise by normal-hearing and hearing-impaired listeners. *Journal of Speech and Hearing Research*, 28, 87-95.
  4. Gordon-Salant, S. (1985). Recognition of digitized CV syllables in multitalker babble. *Audiology*, 24, 241-253.
  5. Gordon-Salant, S. (1985). Some perceptual properties of consonants in multitalker babble backgrounds. *Perception and Psychophysics*, 38, 81-90.
  6. Gordon-Salant, S. (1986). Effects of aging on response criteria in speech recognition tasks. *Journal of Speech and Hearing Research*, 29, 155-162.

7. Gordon-Salant, S. (1986). Recognition of natural and time/intensity altered CVs by young and elderly subjects with normal hearing. *Journal of the Acoustical Society of America*, 80, 1599-1607.
8. Fitzgibbons, P. J. & Gordon-Salant, S. (1987). Temporal gap resolution in listeners with high frequency sensori-neural hearing loss. *Journal of the Acoustical Society of America*, 81, 133-137.
9. Gordon-Salant, S. (1987) Effects of acoustic modification on consonant perception by elderly hearing-impaired subjects. *Journal of the Acoustical Society of America*, 81, 1199-1202.
10. Fitzgibbons, P. J. & Gordon-Salant, S. (1987). Minimum stimulus levels for temporal gap resolution in listeners with sensorineural hearing loss. *Journal of the Acoustical Society of America*, 81, 1542-1545.
11. Gordon-Salant, S. (1987). Consonant recognition and consonant confusion patterns among elderly hearing-impaired subjects. *Ear and Hearing*, 8, 270-276.
12. Gordon-Salant, S. (1987). Age-related changes in speech-recognition performance as a function of test material and paradigm. *Ear and Hearing*, 8, 277-282.
13. Shipley-Brown, F.\*, Dingwall, W., Berlin, C., Yeni-Komshian, G., & Gordon-Salant, S. (1988). Hemispheric processing of affective and linguistic intonation contours in normal subjects. *Brain and Language*, 33, 16-26.
14. Gordon-Salant, S., Bialostozky, F., Lichtenstein, M., Stach, B., & Weinstein, B. (1991). Hearing impairment in aged people. *Audiology Today*, 3, 17 - 20.
15. Schieber, F., Fozard, J., Gordon-Salant, S., & Weiffenbach, J. (1991). Optimizing sensation and perception in older adults. *International Journal of Industrial Ergonomics*, 7, 133-162.
16. Gordon-Salant, S., & Sherlock, G.\* (1992). Performance of elderly hearing-impaired people with a multiband signal processing hearing aid. *Ear and Hearing*, 13, 255-262.
17. Humes, LE., Diefendorf, A., Hipskind, N., Barlow, N., Cokely, C., Garner, D., Stelmachowicz, P., Fowler, C., & Gordon-Salant, S. (1992). Alternatives to Au.D. degrees. *Audiology Today*, 4, 14-15.
18. Humes, L., Diefendorf, A., Stelmachowicz, P., Fowler, C., & Gordon-Salant, S. (1993). Graduate education in audiology: We agree with the diagnosis, but not the treatment. *American Journal of Audiology*, 2, 48 - 50.

19. Gordon-Salant, S., & Fitzgibbons, P. (1993). Temporal factors and speech recognition performance in young and elderly listeners. *Journal of Speech and Hearing Research*, *36*, 1276 - 1285.
20. Fitzgibbons, P., & Gordon-Salant, S. (1994). Age effects on measures of auditory temporal sensitivity. *Journal of Speech and Hearing Research*, *37*, 662-670.
21. Phillips, S.\*, Gordon-Salant, S., Fitzgibbons, P., & Yeni-Komshian, G. (1994) Auditory duration discrimination in young and elderly listeners with normal hearing. *Journal of the American Academy of Audiology*, *5*, 210-215.
22. Gordon-Salant, S., Lantz, J.\*, & Fitzgibbons, P. (1994). Age effects on measures of hearing handicap. *Ear and Hearing*, *15*, 262-265.
23. Pearson, J.D., Morrell, C., Gordon-Salant, S., Brant, L., & Fozard, J.L. (1995). Gender differences in a longitudinal study of age-associated hearing loss. *Journal of the Acoustical Society of America*, *97*, 1196-1205.
24. Hargus, S.E.\*, & Gordon-Salant, S. (1995). Accuracy of speech intelligibility index predictions for noise-masked young normal listeners and for elderly hearing impaired listeners. *Journal of Speech and Hearing Research*, *38*, 234-243.
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35. Phillips, S.\*, Gordon-Salant, S., Fitzgibbons, P., & Yeni-Komshian, G. (2000). Frequency and temporal resolution in elderly listeners with good and poor word recognition. *Journal of Speech, Language, and Hearing Research*, *43*, 217 - 228.
36. Gordon-Salant, S., & Fitzgibbons, P. (2001). Sources of age-related difficulty for time-compressed speech, *Journal of Speech, Language, and Hearing Research*, *44*, 709-719.
37. Fitzgibbons, P.J., & Gordon-Salant, S. (2001). Aging and temporal discrimination in auditory sequences. *Journal of the Acoustical Society of America*, *109*, 2955-2963.
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41. Gordon-Salant, S., & Leek, M. (2004). Hearing Loss. Acoustical Society of America (invited article published online at <http://www.acoustics.org>, May, 2004).

42. Gordon-Salant, S. (2006). Hearing loss and aging: New research findings and clinical implications." *Journal of Rehabilitation Research and Development*, 42, 9-23.
43. Gordon-Salant, S. Yeni-Komshian, G., Fitzgibbons, P., & Barrett, J. \* (2006). Age-related differences in identification and discrimination of temporal cues in speech segments, *Journal of the Acoustical Society of America*, 119, 2455-2466.
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47. Fitzgibbons, P., Gordon-Salant, S., & Barrett, J.\* (2007). Age-related differences in discrimination of an interval separating onsets of successive tone bursts as a function of interval duration. *Journal of the Acoustical Society of America*, 122, 458-466.
48. Gordon-Salant, S., Yeni-Komshian, G., & Fitzgibbons, P. (2008). The role of temporal cues in word identification by younger and older adults: Effects of sentence context. *Journal of the Acoustical Society of America*, 124, 3249-3260. DOI: 10.1121/1.2982409
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59. Gordon-Salant, S., Fitzgibbons, P., and Yeni-Komshian, G.H. (2011). Auditory temporal processing and aging: Implications for speech understanding of older people. *Audiology Research* 1, 9-15.
60. Veneman, C.\*, Gordon-Salant, S., Matthews, L.J., & Dubno, J. (2013). Age and measurement time-of-day effects on speech recognition in Noise. *Ear and Hearing*, 34, 289-299.
61. Humes, L.E., Dubno, J.R., Gordon-Salant, S., Lister, J., Cacace, T., Cruickshanks, K., Gates, G., Wilson, R., & Wingfield, A. (2012). Central presbycusis: A review and evaluation of the evidence. *Journal of the American Academy of Audiology* 23, 635-666. DOI: 10.3766/jaaa.23.8.5.
62. Gordon-Salant, S., Yeni-Komshian, G.H., Fitzgibbons, P.J., Cohen, J.I.\*, & Waldroup, C.\* (2013). Recognition of accented and unaccented speech in different maskers by younger and older listeners. *Journal of the Acoustical Society of America*, 134, 618-627. DOI: 10.1121/1.4807817



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90. Shader, M.J., Gordon-Salant, S., & Goupell, M.J. (2020). The impact of aging and electrode-to-neural interface on temporal processing ability in cochlear-implant users: amplitude modulation detection thresholds. *Trends in Hearing* 24, 1-14.  
<http://dx.doi.org/10.1177/2331216520936160>

91. Bieber, R.\*, & Gordon-Salant, S. Improving older adults' understanding of challenging speech: Auditory training, rapid adaptation and perceptual learning. *Hearing Research* (e-pub ahead of print) <https://doi.org/10.1016/j.heares.2020.108054>
92. Tinnemore, A.\*, Gordon-Salant, S., & Goupell, M. J. (2020). Audiovisual speech recognition with a cochlear implant and increased perceptual and cognitive demands. *Trends in Hearing* 24, 1-17. <http://dx.doi.org/10.1177/2331216520960601>
93. Shader, M.J., Gordon-Salant, S., & Goupell, M.J. (2020). The impact of aging and electrode-to-neural interface on temporal processing ability in cochlear-implant users: gap detection thresholds. *Trends in Hearing* 24, 1-13. <http://dx.doi.org/10.1177/2331216520956560>
94. Yancey, C.\*, Barrett, M.\*, Gordon-Salant, S., & Brungart, D. (2021). Binaural advantages in a real-world environment on speech intelligibility and response time. *Journal of the Acoustical Society of America – Express Letters* 1, 014406. <https://doi.org/10.1121/10.0003193>
95. Bieber, R.\*, Tinnemore, A., Yeni-Koshian, G., & Gordon-Salant, S. (2021). Younger and older adults show non-linear, stimulus-dependent performance during early stages of auditory training for non-native English. *Journal of the Acoustical Society of America* 149, 4348-4365. DOI: 10.1121/10.0005279
96. Barrett, M.\*, Gordon-Salant, S., Cohen, J.\*, & Brungart, D. The Cafeteria Study: Effects of Visual Cues, Hearing Protection, and Real-World Noise on Speech Recognition, *Journal of the Acoustical Society of America* (in revision).
97. Shader, M.J., Kwon, B., Gordon-Salant, S., & Goupell, M.J. Open-set phone recognition performance with varied temporal cues in younger and older cochlear-implant users. *Journal of Speech, Language, and Hearing Research* (in revision).
98. Cohen, J.I., Gordon-Salant, S., & Brungart, D.S. The benefits of listening to a familiar voice in a real-world environment on measures of speech understanding and working memory capacity. *Trends in Hearing* (in revision).
99. DeVries, L., Anderson, S., Goupell, M., Smith, E.W., & Gordon-Salant, S. Effects of age and hearing loss on perceptual and electrophysiological pulse rate discrimination *Journal of the Acoustical Society of America* (in review).
100. Gordon-Salant, S., Schwartz, M.S.\*, Oppler, K.\*, & Yeni-Komshian, G.H. Recognition of asynchronous auditory-visual speech: Effects of age, hearing sensitivity, and talker accent. *Frontiers in Psychology* (in preparation).

101. Bieber, R.\*, & Gordon-Salant, S. Semantic context and stimulus variability independently affect rapid adaptation to non-native English in young adults, *Journal of the Acoustical Society of America* (in review).

### II.C.3. Perspectives, Opinions, and Letters

1. Gordon-Salant, S. (2009). ANSI Standards: Alive and well in the graduate audiology classroom. *Acoustics Today*, January, 44-46.
2. Anderson, S., Gordon-Salant, S., & Dubno, J.R. (2018). Hearing and aging effects on speech understanding: Challenges and solutions. *Acoustics Today*, 14:4, 10-17.
3. Gordon-Salant, S. (2018). Ask an Acoustician. *Acoustics Today*, 14:4, 56-59.

### II.C.4. Other

1. ASHA Committee on Audiologic Evaluation (CAE; SGS Chair) - Working Group on Electroacoustic Characteristics (1987). Calibration of speech signals delivered via earphones. *Asha*, 29, 44-48.
2. ASHA CAE (SGS Chair) (1988). Guidelines for determining the threshold level for speech. *Asha*, 30, 85-89.
3. ASHA CAE (SGS Chair) - Working Group on Acoustic Immittance Measures (1988). Tympanometry. *Journal of Speech and Hearing Disorders*, 53, 354-377.
4. ASHA CAE (SGS Chair) - Working Group on Auditory Evoked Potential Measurements (1988). *Tutorial: The Short Latency Auditory Evoked Potentials*. Rockville: ASHA, p. 1-39.
5. ASHA CAE (SGS Chair). (1989). Report on telephone hearing screening. *Asha*, 30, 53.
6. ASHA CAE (SGS Chair) (1990). Guidelines for audiometric symbols. *Asha*, 32 (Supplement 2), 25-30.
7. ASHA CAE (SGS Chair) - Working Group on Acoustic Immittance Screening (1990). Guidelines for screening of hearing impairment and middle ear disorders. *Asha*, 32 (Supplement 2), 17-24.
8. ASHA CAE (SGS Chair) - Working Group on Auditory Evoked Potential Measurements (1990). Competencies in auditory evoked potential measurement and clinical application. *Asha*, 32 (Suppl. 2), 13-16.

9. ASHA CAE (SGS Chair)- Working Group on Sound Field Calibration (1991). Tutorial: Sound Field Testing. *Asha*, 33 (Supplement 3), 25-38.
10. ASHA CAE (SGS Chair). Bibliography on Acoustic Immittance Measures (1991). *Asha*, 33 (Suppl. 4), 1-44.

#### II.D. Published Conference Proceedings

1. Morrell, C.H., Pearson, J.D., Brant, L.J., & Gordon-Salant, S. (1995). Construction of hearing percentiles with non-constant variance from the linear mixed-effects model. *Proceedings of the Biometrics Section of the American Statistical Association*.
2. Brungart, D., Iyer, N., Thompson, E., Simpson, B., Gordon-Salant, S., Schurman, J.\*, Vogel, C.\*, Grant, K. (2013). Interactions between listening effort and masker type on the energetic and informational masking of speech stimuli. *Proceedings of the 21<sup>st</sup> International Congress on Acoustics*.

#### II.E. Conferences, Workshops, and Talks

##### II.E.1. Keynotes and other special presentations

1. Gordon-Salant, S. (2008). Age-related hearing loss: The Golden Ears? Keynote address at the Eastern Auditory Retreat (EAR) Conference. College Park, MD, June.
2. Gordon-Salant, S. (2010). Auditory temporal processing and aging: Implications for speech understanding of older people. Keynote Address. Adult Hearing Screening Conference 2010, Lake Como, Italy, June.
3. Gordon-Salant, S. (2017). Listener, talker, and environmental factors influencing speech perception in older adults. Keynote Address. Aging and Speech Communication Conference 2017, Tampa, November.
4. Gordon-Salant, S. (2017). Golden years, golden ears: The challenges of age-related hearing loss. Distinguished Scholar-Teacher presentation, University of Maryland, College Park, November.

##### II.E.2. Invited Talks

1. Gordon-Salant, S. (1983). Otitis media: identification, management, and implications. Silver Leaf seminars for parents and educators, McLean, VA.
2. Gordon-Salant, S. (1983). Speech recognition in the elderly, Paper, D.C. Speech and Hearing Association, Washington, DC.

3. Gordon-Salant, S. (1984). Hearing problems in the elderly, Adult Health and Development Program, University of Maryland.
4. Gordon-Salant, S. (1987). Recent developments in speech recognition problems of the elderly, Lecture, Hearing and Speech Conference, Johns Hopkins University, Otolaryngology - Head and Neck Surgery.
5. Gordon-Salant, S. (1988). Aging and auditory characteristics. Scientists at National Institutes of Health, Baltimore Longitudinal Study on Aging.
6. Gordon-Salant, S. (1989). Speech perception in aging: A review of the "problem." First Convention of the American Academy of Audiology, Kiawah Island, South Carolina.
7. Gordon-Salant, S. (1989). Improving speech intelligibility for the elderly using digital technology. American Speech-Language-Hearing Association Teleconference on Aging and Hearing: An Update.
8. Gordon-Salant, S. (1990). Special amplification considerations for elderly individuals. Vanderbilt University/Veterans Administration Conference on Amplification for the Hearing Impaired, Nashville, TN.
9. Gordon-Salant, S. (1990). Speech recognition in elderly individuals. Symposium on Presbycusis, sponsored by the Committee on Hearing, Bioacoustics and Biomechanics, National Research Council, National Academy of Sciences, Washington, D.C.
10. Gordon-Salant, S. (1992). Speech perception in the elderly. Department of Otolaryngology - Head and Neck Surgery, Johns Hopkins University Medical School, Baltimore, MD, April, 1992.
11. Downs, M.P., Gitles, T.C., Gordon-Salant, S., Grimes, A.M., & Hayes, D. (1993). Opportunities and Obstacles for Women in Audiology, American Academy of Audiology, Annual Convention, Phoenix.
12. Gordon-Salant, S. (1993). Age-related changes in hearing. Teleseminar on Normal Age Effects on Speech, Language, Cognition, and Hearing, American Speech-Language-Hearing Association.
13. Gordon-Salant, S. (1994). Age-related changes in auditory characteristics. Gerontology Research Center, National Institute on Aging, Baltimore, MD.
14. Gordon-Salant, S. (1995). Hearing loss and aging: Recent research findings and real world applications. Short Course at the New Jersey Speech-Language-Hearing Association, Brunswick.

15. Gordon-Salant, S. (with C. Brewer and P. McCarthy) (1996). Hearing and balance in the aging population: research findings and management strategies. Workshop at the Mid-winter Meeting of the American Academy of Audiology, Arlington.
16. Gordon-Salant, S. (1996). Longitudinal studies of hearing and aging. Presentation to the Board of Scientific Councilors, National Institute on Aging, National Institutes of Health.
17. Gordon-Salant, S. (1997) (with K. Cruickshanks, R. Frisina, and H. Hoffman). Perspectives of Hearing Loss in Aging. Special Session at the American Speech-Language-Hearing Association Annual Convention, Boston.
18. Feth, L., Caruso, A.J., Fabry, D.A., Fey, M.E., Gordon-Salant, S., Metz, D., Schwartz, R., & Secord, W. (1977). Publishing in ASHA Journals: A Partnership of Author and Editor. Special Session at the American Speech-Language-Hearing Association Annual Convention, Boston.
19. Gordon-Salant, S., & Fitzgibbons, P. (1998). Age-related effects on auditory temporal processing and speech perception. Seminar presented to Health Scientist Administrators at the National Institute on Aging, National Institutes of Health, Bethesda. (January).
20. Feth, L., Fabry, D., Fey, M., Gordon-Salant, S., Rice, M., Metz, D., Silliman, E., & Caruso, A.J. (1998). Successful publication from submission to acceptance. Seminar presented at the American Speech-Language-Hearing Association Annual Convention, San Antonio.
21. Gordon-Salant, S. (1999). Age-related deficits for understanding temporally distorted speech: research findings and rehabilitative implications. New Zealand Audiological Society Annual Meeting, Auckland, May.
22. Gordon-Salant, S. (1999). Evaluation of psychoacoustic temporal processing deficits in older people using profile analysis. New Zealand Audiological Society Annual Meeting, Auckland, May.
23. Gordon-Salant, S. (1999). Gender and age-related differences on self-perceived hearing disability. New Zealand Audiological Society Annual Meeting, Auckland, May.
24. Gordon-Salant, S. (1999). Evaluation of auditory temporal processing in older people using profile analysis. Invited Seminar, Department of Otolaryngology, University of Maryland Medical Center, Baltimore, December.
25. Gordon-Salant, S. (2000). Profile of auditory temporal processing in younger and older listeners. Neurosciences Colloquium, University of Maryland, College Park, March.



26. Gordon-Salant, S., & Fitzgibbons, P. (2000). Deficits of auditory temporal processing in younger and older adults. National Institute on Deafness and Other Communication Disorders, NIH, March.
27. Gordon-Salant, S. (2000). Auditory temporal processing abilities in younger and older listeners. American Speech-Language-Hearing Association, Washington, D.C., November.
28. Gordon-Salant, S. (2000). Sources of age-related deficits in speech recognition performance. City University of New York Graduate Center, December.
29. Gordon-Salant, S. & Fitzgibbons, P.J. (2001). Fast talking and slow listening: Recent Findings on Aging, American Academy of Audiology, San Diego, April.
30. Gordon-Salant, S. (2001). Hearing and Aging. Presentation at the International University of Health and Welfare, Tochigi, Japan, May.
31. Gordon-Salant, S. (2001). Communication Issues and Rehabilitation of the Elderly Adult. Presentation at Kitasato University, Tokyo, May.
32. Gordon-Salant, S. (2001). Status of Speech-Language Pathology and Audiology in the U.S. Presentation at the International University of Health and Welfare, Tochigi, Japan, May.
33. Gordon-Salant, S., Weinstein, B., & Newman, C. (2001). Audiologic Services to Older Adults: Successful Strategies and Outcomes, American Speech-Language-Hearing Association Teleseminar, September.
34. Gordon-Salant, S. (2001). Speech perception and auditory processing in human listeners with normal and impaired auditory systems. Joint Workshop, Comparative and Evolutionary Biology of Hearing at the University of Maryland, College Park and the National Institute on Deafness and Other Communication Disorders, November.
35. Gordon-Salant, S., & Fitzgibbons, P. (2002). Normal and disordered patterns of auditory temporal processing, National Institute on Deafness and Other Communication Disorders, NIH, May.
36. Gordon-Salant, S. (2003). Age-related hearing loss, Conference on Physical Disabilities Through the Life Span, National Institutes of Health, July.
37. Gordon-Salant, S., & Fitzgibbons, P. (2003). Auditory temporal processes, speech perception and aging. Fall Workshop, Doctoral Program in Clinical Audiology, University of Maryland, Sept.
38. Gordon-Salant, S., (2004). Aging and auditory temporal processing. American Auditory Society Annual Convention, Scottsdale, March.

39. Gordon-Salant, S. (2004). Aging and the auditory system: functional consequences and rehabilitative strategies. University of Louisville, November.
40. Gordon-Salant, S. (2005). Aging and auditory perception: Functional Consequences and Rehabilitative Strategies. Acoustical Society of America Washington, D.C. Chapter, April.
41. Gordon-Salant, S. (2005). Speech perception and auditory temporal processing performance by older listeners: implications for real-world communication. NCRAR Conference, Portland, Sept.
42. Gordon-Salant, S. & Fitzgibbons, P. (2005). Auditory temporal processing and speech recognition performance in aging. Aging and Speech Communication: An International and Interdisciplinary Research Conference, Indiana University, October.
43. Gordon-Salant, S. (2005). Hearing and Aging. Presentation to Legacy College, University of Maryland, College Park, November.
44. Gordon-Salant, S. (2006). Auditory perceptual deficits of elderly listeners in the temporal domain: findings from speech perception and psychoacoustic investigations, Univ. Illinois, Sept.
45. Gordon-Salant, S. (2007). Identification of temporal cues in speech segments in sentence contexts by younger and older adults. Maryland Academy of Audiology, September.
46. Gordon-Salant, S., & Fitzgibbons, P. (2007). Aging and auditory temporal processing: implications for speech communication. Aging and Speech Communication Research Conference, Bloomington, IN, October.
47. Gordon-Salant, S. (2008). Auditory temporal processing deficits in older listeners and their implications for speech communication. Max Planck Institute for Human Development and Education, Berlin, July.
48. Gordon-Salant, S. (2008). Age-related hearing loss. Max Planck Institute for Demographic Research, Rostock, Germany, July.
49. Gordon-Salant, S. (2008). Auditory temporal processing deficits in older listeners and their implications for speech communication. Max Planck Institute for Demographic Research, Rostock, Germany, July.
50. Gordon-Salant, S. (2008). Auditory Temporal Processing Limitations in Older Adult Listeners: Implications for Everyday Speech Perception Tasks. ASHA Annual Convention, November.

51. Gordon-Salant, S. (2008). Hearing aids and closed captioning: Beneficial to older TV viewers? Ground Rounds Presentation, Vanderbilt University, December.
52. Gordon-Salant, S. (2009). Auditory temporal processing in older adults. Maryland Academy of Audiology, Columbia, MD, September.
53. Gordon-Salant, S., & Fitzgibbons, P. (2009). Aging and the effects of accent on perception of temporal acoustic cues. Aging and Speech Communication International Research Conference at Bloomington, IN, October.
54. Gordon-Salant, S., & Fitzgibbons, P. (2010). Influence of central processing factors on perception of auditory sequences. American Speech-Language-Hearing Association, Philadelphia.
55. Gordon-Salant, S., & Fitzgibbons, P. (2011). Speech processing and aging: Examples of decline and preservation. Association for Research in Otolaryngology, Baltimore.
56. Fitzgibbons, P., & Gordon-Salant, S. (2011). Sensitivity to temporal intervals in auditory sequences by aging humans. Association for Research in Otolaryngology, Baltimore.
57. Gordon-Salant, S., & Fitzgibbons, P. (2011). Temporal cues in speech perception: Effects of Aging. Aging and Speech Communication International Research Conference, Bloomington, IN
58. Gordon-Salant, S. (2012). Perception of accented English by older listeners with and without hearing loss. Maryland Academy of Audiology, Timonium (Sept).
59. Gordon-Salant, S. (2013). Perception of accented English by older listeners with and without hearing loss. Boys Town National Research Hospital, Omaha (July).
60. Gordon-Salant, S. (2015). Effects of listener age on the perception of Spanish-accented English, Winter Storm, Maryland Language Science Center, University of Maryland (January).
61. Gordon-Salant, S. (2015). Age-related hearing loss: Peripheral, central, and cognitive issues that impact speech understanding in real-world listening situations. Mid-South Conference on Communication Disorders, Memphis (February).
62. Gordon-Salant, S. (2015). Age-related hearing loss: Speech perception problems and speech technology needs. NSF Workshop on Speech Communication and Speech Technology, Arlington, VA (May).
63. Gordon-Salant, S. (2015). Effects of listener age and hearing sensitivity on perception of accented English. National Institute on Deafness and Other Comm. Disorders, Bethesda, MD (May).

64. Gordon-Salant, S., Yeni-Komshian, G., Fitzgibbons, P.J., Cohen, J.I.\*, Gassert, J.\*, Schurman, J.\*, & Brungart, D. (2015). Disentangling effects of age, hearing, and cognition on distorted, distracting, and demanding speech understanding tasks. *Cognitive Hearing Science for Communication 2015*, Linköping, Sweden (June).
65. Gordon-Salant, S. (2015). Effects of age and hearing ability on perception of Spanish-accented English. Tavin Gavin Erickson Lecture Series, Center for Research on Families, University of Massachusetts, Amherst, MA (November).
66. Gordon-Salant, S. (2016). Aging and the perception of accented English. National Center for Rehabilitative Auditory Research (NCRAR) (October).
67. Gordon-Salant, S. (2017). Factors influencing speech perception in older adults. *Speech Perception and Production Across the Lifespan – 2017 (SPPL2017)*. London (April).
68. Gordon-Salant, S. (2017). Perception of Spanish-accented English by younger and older listeners. University of Buffalo. Buffalo, NY (August).
69. Gordon-Salant, S. (2019). Listener, talker, and environmental factors influencing speech Perception in older adults. Kresge Hearing Research Institute, Univ. Michigan, Ann Arbor, (April).
70. Gordon-Salant, S. (2019). Factors influencing speech perception in older adults. Purdue U., Steer Lecture, West Lafayette, IN (October).
71. Gordon-Salant, S. (2019). Age-related decline in auditory and speech processing: peripheral, central, and cognitive influences. Center for Brain Health, Univ. Texas, Dallas (November).
72. Gordon-Salant, S., & Anderson, S. (2021). Of mice and (wo)men: Alterations in central auditory nervous system function across aging animal species. Association for Research in Otolaryngology, Midwinter Meeting, Virtual (March)

### II.E.3. Refereed Presentations

1. Gordon-Salant, S., & Wightman, F.L. (1980). Perception of rising and falling F2 transitions in speech stimuli. Acoustical Society of America, Spring Meeting.
2. Gordon-Salant, S., Wightman, F.L., & Kistler, D.J. (1980). Spectral and phonetic contributions of interfering speech on speech perception. American Speech-Language-Hearing Association, Annual Convention.
3. Gordon-Salant, S., & Wightman, F.L. (1981). Speech perception by hearing-impaired listeners: effects of speech maskers. Acoustical Society of America, Spring Meeting.

4. Gordon-Salant, S., & Wightman, F.L. (1981). Speech perception in noise and speech backgrounds by hearing-impaired listeners. American Speech-Language-Hearing Association, Annual Convention.
5. Gordon-Salant, S. (1982). Phonetic confusions in multiple speech backgrounds. American Speech-Language-Hearing Association, Annual Convention.
6. Gordon-Salant, S. (1983). Consonant perception in speech babble by normal and impaired listeners. American Speech-Language-Hearing Association, Annual Convention.
7. Gordon-Salant, S. (1984). Consonant perception in hearing-impaired listeners with low frequency amplification. American Speech-Language-Hearing Association, Annual Convention.
8. Gordon-Salant, S. (1985). Response criterion effects on speech recognition tasks by elderly listeners. American Speech-Language-Hearing Association, Annual Convention.
9. Gordon-Salant, S. (1986). Efficiency of digital speech enhancement for elderly listeners. American Speech-Language-Hearing Association, Annual Convention.
10. Gordon-Salant, S., Bell, T., Humes, L, Schum, D., & Bilger, R. (1989). New research trends in speech perception and aging. American Speech-Language-Hearing Association, Annual Convention.
11. Gordon-Salant, S., & Fozard, J.L. (1990). Protocol for a longitudinal study of hearing and aging. American Speech-Language-Hearing Association, Annual Convention.
12. Brant, L.J., Metter, E.J., Gordon-Salant, S., Pearson, J.D., & Fozard, J.L. (1991). Factors affecting age-related hearing loss. International Conference on Technology and Aging, Eindhoven, the Netherlands.
13. Sherlock, L.\* & Gordon-Salant, S. (1991). Signal processing effects on speech recognition ability in elderly listeners. American Speech-Language-Hearing Association, Annual Convention.
14. Gordon-Salant, S., & Fitzgibbons, P. (1992). Perception of temporally degraded speech by elderly listeners. American Speech-Language-Hearing Association, Annual Convention.
15. Gordon-Salant, S., & Fitzgibbons, P. (1993). Auditory temporal processing and speech recognition deficits in young and elderly listeners. Assoc. Res. Otolaryng, Midwinter Meeting.
16. Fitzgibbons, P., & Gordon-Salant, S. (1993). Auditory temporal processing and speech processing in elderly listeners with and without hearing loss. American Academy of Audiology, Annual Convention.

17. Phillips, S.\*, & Gordon-Salant, S. (1993). Auditory duration discrimination in normal-hearing young and elderly listeners. American Academy of Audiology, Annual Convention.
18. Brant, L.J., Pearson, J.D., Gordon-Salant, S., Metter, E.J., & Fozard, J.L. (1993). Risk factors for age-related hearing loss. World Congress of Gerontology.
19. Gordon-Salant, S., & Fitzgibbons, P. (1993). An equivalent S/N Ratio Index for Measures of Speech Recognition. American Speech-Language-Hearing Association Annual Convention.
20. Campbell, S., Dingwall, W.O., & Gordon-Salant, S. (1994). Hemispheric Processing of Affective and Linguistic Prosody in Children. Intl. Neuropsychological Society Annual Meeting.
21. Humes, L.E., & Gordon-Salant, S. (1994). Effects of Aging on Temporal Factors and Speech Recognition Performance. American Academy of Audiology, Annual Convention.
22. Hargus, S\*., & Gordon-Salant, S. (1994). Speech Intelligibility Index Predictions for Elderly and Noise-masked Young Listeners. American Speech-Language-Hearing Association, Annual Convention.
23. Fitzgibbons, P., & Gordon-Salant, S. (1995). Age effects on auditory duration discrimination with simple and complex stimulus patterns. Assoc. for Res. in Otolaryng, Midwinter Meeting.
24. Randolph, P.\*, & Gordon-Salant, S. (1995). Effect of noise bandwidth and speech enhancement techniques on speech perception. National Black Speech & Hearing Assoc., Annual Convention.
25. Pearson, J.D., Morrell, C.H., Brant, L.J., Metter, E.J., Fozard, J.L., & Gordon-Salant, S. (1995). Age-specific references for pure-tone hearing thresholds and longitudinal changes in thresholds in screened men and women. Gerontological Society of America, Annual Convention.
26. Brant, L.J., Pearson, J.D., Metter, E.J., Fozard, J.L., & Gordon-Salant, S. (1995). A study of risk factors and age-related hearing loss. Gerontological Society of America, Annual Convention.
27. Gordon-Salant, S., & Fitzgibbons, P. (1995). Effects of speech rate on recognition performance by elderly listeners. American Speech-Language-Hearing Association, Annual Convention.
28. Fitzgibbons, P., & Gordon-Salant, S. (1996). Age effects on temporal order discrimination and recall. American Academy of Audiology, Annual Convention.
29. Phillips, S.\*, Gordon-Salant, S., & Fitzgibbons, P. (1996). Frequency and temporal resolution in elderly listeners with good and poor speech recognition. Am. Acad. of Aud, Annual Convention.

30. Gordon-Salant, S. (1996). Auditory temporal processing deficits and speech perception problems in aging human listeners. Spring Workshop on Evolutionary Perspectives on Audition, University of Maryland.
31. Randolph, P.\*, & Gordon-Salant, S. (1996). Effects of speech enhancement techniques on speech perception in young and elderly listeners. Spring Workshop on Evolutionary Perspectives on Audition, University of Maryland.
32. Phillips, S.\*, Gordon-Salant, S., & Fitzgibbons, P. (1996). Frequency and temporal resolution in elderly listeners with good and poor word recognition. Spring Workshop on Evolutionary Perspectives on Audition, University of Maryland.
33. Gordon-Salant, S., & Fitzgibbons, P. (1998). Profile of speech and psychoacoustic temporal processing for older listeners. American Speech Language Hearing Association Convention.
34. Lantz, J.\*, Gordon-Salant, S., & Fitzgibbons, P. (2000). Processing of rapid acoustic signals by elderly listeners. Spring workshop, Comparative and Evolutionary Biology of Hearing Training Program, University of Maryland.
35. McCreight, L.\*, Gordon-Salant, S., & Brewer, C. (2000). Effects of diabetes mellitus on electrophysiologic measures of auditory function. Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C., November.
36. Gordon-Salant, S., Fitzgibbons, P., Roth, F., Friedman, T., Griffith, A., Madeo, A., & Morell, R. (2001). Ascertainment of families segregating hereditary auditory temporal processing deficits. Bioscience Research & Technology Review Day, University of Maryland, College Park, Nov.
37. Gordon-Salant, S., & Fitzgibbons, P. (2001). Perception of variable-rate speech by young and elderly listeners. American Speech-Language-Hearing Assoc., Washington, D.C., November.
38. Randolph, P.\*, & Gordon-Salant, S. (2002). Threshold determination using 40Hz Evoked Response Potentials (ERP). National Black Assoc. for Speech-Language & Hearing Assoc., Raleigh, NC, April.
39. Gordon-Salant, S., Tremblay, K., & Wingfield, A. (2005). Hearing and Cognitive Change in the Aging Adult: Toward an understanding of rehabilitation, Featured Session at the American Academy of Audiology, Washington, D.C., April.
40. Block, K.\*, Formby, C., Gordon-Salant, S., & Hawley, M. (2006). Processing of speech in complex listening environments by individuals with obscure auditory dysfunction. American Academy of Audiology, April.

41. Block, K.\*, Gordon-Salant, S., Hawley, M., & Formby, C. (2006). Processing of speech in complex listening environments by individuals with obscure auditory dysfunction. Acoustical Society of America, May.
42. Gordon-Salant, S., Yeni-Komshian, G., Fitzgibbons, P., & Barrett, J.\* (2007). Age effects on identification of temporal cues in speech segments. American Auditory Society, March.
43. McAlister, E.\*, Gordon-Salant, S., & Fitzgerald, T. (2007). DPOAE suppression using ipsilateral forward maskers of varying bandwidth. American Auditory Society, March.
44. Schwartz, K.C.\*, Chatterjee, M., & Gordon-Salant, S. (2007). Effects of aging on the recognition of spectrally degraded speech. Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.
45. Gordon-Salant, S., & Callahan, J.\* (2008). Benefits of hearing aids and closed captioning for television viewing. American Auditory Society, March.
46. Lunetta, S.\*, Gordon-Salant, S., & Fitzgerald (2010). The effect of presentation rate on DPOAEs for adult listeners. Audiology Research Conference (ARC), Am. Acad of Aud, San Diego, April.
47. Veneman, S.\*, Gordon-Salant, S., Matthews, L.J., & Dubno, J.R., (2010). Age and measurement time-of-day effects on speech understanding in noise. Audiology Research Conference (ARC) 2010, American Academy of Audiology, San Diego, April.
48. King, K.\*, Gordon-Salant, S., Zalewski, C., Yanjanin, N., Porter, F., & Brewer, C. (2011). Lysosomal storage disease and the auditory system: A comparative examination of human and mouse hearing in Niemann-Pick Disease, Type C (NPC). ARO, Baltimore, Feb.
49. Gordon-Salant, S., Fitzgibbons, P., Yeni-Komshian, G., Cohen, J.\*, Waldroup, C.\*, & Pickett, E.\* (2012). Recognition of unaccented and accented speech in different noise backgrounds. American Auditory Society, Scottsdale, March.
50. Schader, M.J.\*, Nguyen, N., Anderson, S., Gordon-Salant, S., & Goupell, M.J. (2014). Acute effect of stimulation rate on speech recognition scores in young, middle-age, and older adult cochlear-implant users. 13<sup>th</sup> Internat. Conference on Cochlear Implants, Munich, Germany, June.
51. Brungart, D., Vogel, C.\*, & Gordon-Salant, S. (2015). Effects of working memory and masker type on the intelligibility and comprehension of self-adjusted time-compressed speech. Aging and Speech Communication Research Conference, Indianapolis, IN, Oct.
52. Shader, M. J.\*, Gordon-Salant, S., and Goupell, M. J. Age-related auditory temporal processing deficits in cochlear-implant users, 18<sup>th</sup> Conference on Implantable Auditory Prostheses, Lake Tahoe, CA, July 2017.



53. Fodor, C.\*, Cohen, J.C.\*, Songer, J., Brungart, D., & Gordon-Salant, S. (2017). The cafeteria study: Evaluating speech communication deficits in real-world environments. Aging and Speech Communication Conference 2017, Tampa, Nov.
54. Bieber, R.\*, & Gordon-Salant, S. (2018). Difficulties in perceiving accented English of older listeners and training strategies to improve performance. American Speech-Language-Hearing Association, Boston, Nov, 2018.
55. Hoover, E., Anderson, S.B., Goupell, M., & Gordon-Salant, S. (2019). Graduate programs at the University of Maryland. Acoustical Society of America, Louisville.
56. Cohen, J., Brungart, D., & Gordon-Salant, S. (2019). Effects of aging and cognitive effort on talker familiarity benefit in a complex listening environment. Aging and Speech Communication Conference, Tampa, November.

#### II.E.6 Refereed Posters

1. Randolph, P.\*, & Gordon-Salant, S. (1997). Effects of noise bandwidth, frequency selectivity, and audibility on speech recognition of elderly listeners. Association for Research in Otolaryngology (ARO), St. Petersburg Beach.
2. Randolph, P.\*, & Gordon-Salant, S. (1997). Speech enhancement techniques for young and elderly listeners. NIDCD-VA Hearing Aid Conference, Bethesda.
3. Fitzgibbons, P., & Gordon-Salant, S. (1998). Auditory temporal order perception in younger and older adults. ARO, St. Petersburg Beach.
4. Fitzgibbons, P., & Gordon-Salant, S. (2000). Discrimination of tonal sequence tempo by young and elderly listeners. ARO, St. Petersburg Beach.
5. Fitzgibbons, P., & Gordon-Salant, S. (2002). Discrimination of temporal intervals in complex tone sequences by young and elderly listeners. ARO, St. Petersburg Beach, January.
6. Gordon-Salant, S., & Fitzgibbons, P. (2003). Effects of stimulus and noise rate variability on speech perception by young and elderly listeners. ARO, Midwinter Meeting, Daytona Beach, February.
7. Gordon-Salant, S., Fitzgibbons, P., Roth, F., Friedman, T., Madeo, A., & Morell, R. (2003). Auditory temporal processing deficits among individuals with a family history of specific language impairment. ARO, Midwinter Meeting, Daytona Beach, February.

8. Gordon-Salant, S., Fitzgibbons, P., & Friedman, S.\* (2004). Effects of age and hearing on recognition of time-expanded speech. ARO, Midwinter Meeting, Daytona Beach, February.
9. Fitzgibbons, P., Gordon-Salant, S., & Friedman, S.\* (2005). Aging and temporal order recognition. ARO, Midwinter Meeting, New Orleans, February.
10. Smith, E., Gordon-Salant, S., McAlister, E.\*, & Dooling, R. (2005). OpenDP: A DPOAE System with specifiable stimulus parameters. ARO, Midwinter Meeting, New Orleans, February.
11. Gordon-Salant, S., Yeni-Komshian, G., Fitzgibbons, P., & Barrett, J.\* (2006). Age-related differences in identification and discrimination of temporal cues in speech segments. ARO, Midwinter Meeting, Baltimore, February.
12. Fitzgibbons, P., Gordon-Salant, S. & Barrett, J.\* (2007). Discrimination of temporal intervals by young and elderly listeners. Association for Research in Otolaryngology, February.
13. Fitzgibbons, P.J., Gordon-Salant, S., Hwang, H.\*, & James, K. \*(2009). Temporal discrimination in accented tone sequences by young and elderly listeners. ARO Midwinter Meeting, February.
14. Friedman, S.\*, & Gordon-Salant, S. (2009). Recognition of rapid speech by blind and sighted older adults. American Auditory Society, March.
15. Barrett, J.\*, Gordon-Salant, S., & Walden, T. (2009). Developing an evidence-based referral protocol for early diagnosis of vestibular schwannomas. American Academy of Audiology, April.
16. Fitzgibbons, P., & Gordon-Salant, S. (2010). Discrimination of repetitive intervals by younger and older listeners. Acoustical Society of America Spring Meeting, Baltimore, April.
17. Seward, K.J.\*, & Gordon-Salant, S. (2011). The effects of incongruent context on speech perception. American Auditory Society, Scottsdale, March. (Note: K.J. Seward received a Mentored Student Award from the AAS and NIDCD for this research presentation).
18. Gordon-Salant, S., Ferruggiaro, A.\*, Cohen, J.\*, & Rainsford, J.\* (2011). Effect of visual distracters on auditory-visual speech perception in noise. Am. Auditory Society, Scottsdale, March.
19. Cohen, J.\*, & Gordon-Salant, S. (2011). The effect of age and type of visual distracter on AV speech perception. Aging and Speech Communication International Research Conference, Bloomington, IN, Oct.

20. Fitzgibbons, P., & Gordon-Salant, S. (2013). Age effects in discrimination of temporal cues within and between interval groupings of accented tone sequences. Association for Research in Otolaryngology, Baltimore, February.
21. Goupell, M.J., Stakovskaya, O.\*, Griffith, K.\*, Thakkar, T., & Gordon-Salant, S. (2013). Comparing enhancement of signal detection in normal-hearing, hearing-impaired and cochlear-implant listeners: Effects of stimulus level and spectral spacing. Association for Research in Otolaryngology, Baltimore, February.
22. Pickett, E.\*, Gordon-Salant, S., & Yeni-Komshian, G.H. (2013). The effect of accent on the perception of lexical stress in younger and older listeners. Aging and Speech Communication International Conference, Bloomington, IN, October.
23. Zion, D.\*, Espy-Wilson, C., & Gordon-Salant, S. (2013). Recognition of natural-rate, time-compressed, and natural fast-rate sentences by younger and older listeners. Aging and Speech Communication International Conference, Bloomington, IN, October.
24. Schurman, J.\*, Gordon-Salant, S., Brungart, D., & Grant, K. (2013). Effects of masker type, sentence context, and listener age on performance in one-back listening tasks. Aging and Speech Communication International Conference, Bloomington, IN, October.
25. Shader, M. J.\*, Nguyen, N., Hertzano, R., Eisenman, D. J., Anderson, S., Gordon-Salant, S., and Goupell, M. J. (2014). Acute effect of stimulation rate on speech recognition in young, middle-age, and older cochlear-implant users. East Coast Cochlear-Implant Conf, College Park, MD, January.
26. Gordon-Salant, S., Yeni-Komshian, G.H., Fitzgibbons, P.J., & Cohen, J.I.\* (2014). Effects of talker accent and age on recognition of multisyllabic words. American Auditory Society, Scottsdale.
27. Cole, S.S.\*, & Gordon-Salant, S. (2014). Effect of cognitive ability on speech recognition in elderly normal-hearing listeners. American Auditory Society, Scottsdale. (Note: S. Cole received a Mentored Student Award from the AAS and NIDCD for this research presentation).
28. Barrett, M.\*, Costantino, K. \*, Cohen, J., Gordon-Salant, S., & Brungart, D. (2015). The Cafeteria Study: Effects of visual cues, hearing protection, and real-world noise on speech recognition. ARO, Midwinter Meeting, Baltimore.
29. Fitzgibbons, P., & Gordon-Salant, S. (2015). Age effects in discrimination of temporal intervals within accented sequences differing in sequence rate and type of accent. ARO, Midwinter Meeting, Baltimore.
- 30.

31. Shader, M.\*, Nguyen, N., Hertzano, R., Eisenman, D., Anderson, S., Gordon-Salant, S., & Goupell, M. (2015). Do lower stimulation rates improve speech understanding in typically low-performing groups of cochlear-implant users? ARO, Midwinter Meeting, Baltimore.
32. Gaskins, C.\*, Shader, M.\*, Gordon-Salant, S., Anderson, S., & Goupell, M. (2015). Age-related differences in consonant perception in real and simulated cochlear-implant users. ARO, Midwinter Meeting, Baltimore.
33. Pressaco, A.\*, Simon, J.Z., Gordon-Salant, S., & Anderson, S. (2015). Interacting effects of aging and context on neural temporal processing. American Auditory Society Meeting, Scottsdale.
34. Cohen, J., Brungart, D., Gordon-Salant, S., Barrett, M.\*, & Costantino, K.\* (2015). Real-world communication strategies with amplification. American Auditory Society Meeting, Scottsdale.
35. Willison, H.\*, Freund, M.\*, & Gordon-Salant, S. (2015). Audio-visual asynchronous speech recognition by older and younger listeners. American Auditory Society Meeting, Scottsdale.
36. Goupell, M.J., Gaskins, C.R\*, Shader, M.J.\*, Presacco, A.\*, Anderson, S., & Gordon-Salant, S. Gap detection in cochlear-implant users reveals age-related central temporal processing deficits. 17<sup>th</sup> Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. July 2015.
37. Freund, M.\*, Willison, H.\* & Gordon-Salant, S. (2015). Recognition of sentences in video recordings altered in auditory and visual onset time by younger and older people. Aging and Speech Communication Research Conference, Indianapolis, IN, Oct.
37. Gaskins, C.\*, Goupell, M.J., Gordon-Salant, S., Anderson, S., & Shader, M.\* (2015). Age-related temporal processing deficits in word segments in cochlear-implant users. Aging and Speech Communication Research Conference, Indianapolis, IN, Oct.
38. Shader, M.J.\*, Nguyen, N., Hertzano, R., Eisenman, D.J., Anderson, S., Gordon-Salant, S., & Goupell, M.J. (2015). The effect of stimulation rate on speech recognition in older cochlear-implant users. Aging and Speech Communication Research Conference, Indianapolis, IN, Oct.
39. Goupell, M.J., Evans, L.\*, & Gordon-Salant, S. (2015). Effect of aging on time-compressed sentence perception in cochlear-implant listeners. Aging and Speech Communication Research Conference, Indianapolis, IN, Oct.
40. Anderson, S.A., Gordon-Salant, S., Gaskins, C.\*, & Goupell, M.J. (2016). Neural correlates of age-related changes in auditory temporal processing. Am. Audit. Soc., Scottsdale, Mar.

41. Barrett, M.\*, & Gordon-Salant, S. (2016). Effects of audio-visual distractions in older and younger listeners. American Auditory Society, Scottsdale, AZ, Mar.
42. Bieber, R.\*, & Gordon-Salant, S. (2016). Adaptation to foreign-accented speech: Influence of aging and hearing loss. American Auditory Society, Scottsdale, AZ, Mar.
43. Shader, M.\*, Gordon-Salant, S., & Goupell, M.J. (2016). Older listeners process envelope modulations less effectively than younger listeners for understanding of cochlear-implant simulated speech. American Auditory Society, Scottsdale, AZ, Mar.
44. Schurman, J.\*, Brungart, D., Vogel, J.\*, & Gordon-Salant, S. (2016). Effects of working memory and amplification on self-adjusted time-compressed speech. American Auditory Society, Scottsdale, AZ, Mar.
45. Fitzgibbons, P., & Gordon-Salant, S. (2017). Age effects in discrimination for leading and trailing components of 2-tone stimulus sequences. ARO, Baltimore, Feb.
46. Fodor, C.\*, Abrams, M.\*, Cohen, J.\*, Brungart, D., & Gordon-Salant, S. (2017). Direct and indirect methods of measuring visual contribution in real-world listening environments. ARO, Baltimore, Feb.
47. Abrams, M.\*, Fodor, C.\*, Cohen, J.\*, Brungart, D., & Gordon-Salant, S. (2017). The Cafeteria Study: Performance of native, non-native and bilingual speakers of English on speech recognition tasks in a real-world environment. ARO, Baltimore, Feb.
48. Gaskins, C.\*, Walter, E., Gordon-Salant, S., Anderson, S., & Goupell, M. (2017). Temporal processing as a function of pulse rate and age: Behavior and electrophysiology. ARO, Balt, Feb.
49. Shader, M.\*, Gordon-Salant, S., & Goupell, M. (2017). Effect of age on gap detection thresholds in older cochlear implant users. ARO, Baltimore, Feb.
50. Gordon-Salant, S., Yeni-Komshian, G., Fitzgibbons, P.J., Bieber, R.\*, Jara, D.\*, & Freund, M.\* (2017). Linguistic experience and age affect recognition of Spanish-accented English. American Auditory Society, Scottsdale, March.
51. Schurman, J.\*, Brungart, D., Vogel, C.\*, Coleman, S.\*, & Gordon-Salant, S. (2017). Simultaneous Evaluation of Rate, Context, and Signal-to-noise Ratio on Speech Perception. American Auditory Society, Scottsdale, March.
52. Shader, M. J.\*, Gordon-Salant, S., and Goupell, M. J. (2017). Age and peripheral neural survival impacts temporal processing ability in cochlear-implant users at fast stimulation rates, 16<sup>th</sup> Eastern Auditory Retreat, Washington, D.C., June 2017.

53. Shader, M. J.\*, Gordon-Salant, S., and Goupell, M. J. (2017). Age-related auditory temporal processing deficits in cochlear-implant users, 18<sup>th</sup> Conference on Implantable Auditory Prostheses, Lake Tahoe, CA, July 2017.
54. Shader, M.\*, Gordon-Salant, S., & Goupell, M. (2017). The effects of age on temporal amplitude modulation processing ability in cochlear implant users. Aging and Speech Communication Conference 2017, Tampa, November.
55. Gaskins, C.\*, Walter, E., Gordon-Salant, S., Anderson, S.A., & Goupell, M. (2017). Behavioral and electrophysiological representation of temporal processing as a function of rate and age. Aging and Speech Communication Conference 2017, Tampa, November.
56. Roque, L.\*, Gaskins, C.\*, Gordon-Salant, S., Goupell, M., & Anderson, S.A. (2017). Age effects of neural representation of temporal envelope and fine structure speech cues. Aging and Speech Communication Conference 2017, Tampa, November.
57. Anderson, S., Kronzek, E.\*, Chisholm, J.\*, Gordon-Salant, S., & Goupell, M.J. (2017). Training effects on perception and neural representation of temporal speech cues. Aging and Speech Communication Conference 2017, Tampa, November.
58. Freund, M.\*, Oppler, K.\*, Schapira, A.\*, & Gordon-Salant, S. (2018). Recognition of Asynchronous Audiovisual Accented Sentences by Older Listeners. American Auditory Society, Scottsdale, March.
60. Tinnemore, A.\*, Mahoney, G.\*, Goupell, M., & Gordon-Salant, S. (2018). Visual Distraction: Age and Cochlear Implants. American Auditory Society, Scottsdale, March.
61. Kronzek, E.\*, Chisholm, J.\*, Gordon-Salant, S., Goupell, M., & Anderson, S. (2018). Training Effects on Perception and Neural Representation of Temporal Cues. American Auditory Society, Scottsdale, March.
62. Tinnemore, A.\*, Evans, L.\*, Gordon-Salant, S., & Goupell, M. (2018). Processing speed and age predict recognition of spectro-temporally degraded speech. Acoust. Soc. Am., Indianapolis, June.
63. Miller, J., Watson, C., Leek, M.M., Wark, D., Souza, P., Gordon-Salant, S., Ahlstrom, J., & Dubno, J. (2018). Aided sentence perception as related to the identification of syllable constituents and the use of context. International Hearing Aid Research Conference (IHCON), Lake Tahoe, August.

64. Shader, M. J.\*, Kwon, B. J., Gordon-Salant, S., and Goupell, M. J. (2019). Phoneme recognition with varying stimulation rate and temporal envelope smearing in younger and older cochlear-implant users,” Mid-Atlantic Seminar on Hearing, College Park, MD, February 2019.
65. Fitzgibbons, P., Bieber, R.\*, & Gordon-Salant, S. (2019). Effects of age and native language experience on discrimination of rhythmic tonal sequences. ARO, Baltimore, February.
66. Oppler, K.\*, Freund, M.\*, & Gordon-Salant (2019). Detection and recognition of asynchronous auditory-visual sentences by younger and older listeners. ARO, Baltimore, February.
67. Anderson, S., Goupell, M., Schapira, A.\*, Robinson, R.\*, Hernandez, R.\*, & Gordon-Salant (2019). Blocked training, but not randomized training, leads to improvement in temporal rate discrimination and increased energy in auditory steady-state responses. ARO, Baltimore, Feb.
68. Yancey, C.\*, Barrett, M.\*, Brungart, D.S., & Gordon-Salant, S. (2019). Speech understanding in real-world environments: Comparison of monaural and binaural listening. ARO, Baltimore, Feb.
69. Schurman, J.\*, Brungart, D.S., & Gordon-Salant, S. (2019). Effects of listener age, masker type, and cognitive function on discourse comprehension and intelligibility performance. ARO, Baltimore, Feb.
70. Anderson, S., Presacco, A., DeVries, L., Smith, E.W., Schapira, A.\*, Robinson, R.\*, Hernandez, R.\*, Goupell, M., & Gordon-Salant, S. (2019). Experimental auditory training for older listeners using rate discrimination: Effects on perceptual and neural measures. ARO, Baltimore, Feb.
71. Tinnemore, A.\*, Goupell, M., & Gordon-Salant, S. (2019). The effect of visual distraction on the speech understanding of listeners with cochlear implants. ARO, Baltimore, February.
72. Schurman, J.\*, Brungart, D., & Gordon-Salant, S. (2019). Effects of listener age, masker type and cognitive function on discourse comprehension and intelligibility performance. ARO, Baltimore, February.
73. Miller, J.D., Watson, C.S., Leek, M.R., Wark, D.J., Souza, P., Gordon-Salant, S., Ahlstrom, J.B., & Dubno, J.R. (2019). Sentence perception in noise by hearing-aid users: Relations with syllable-constituent perception and the use of context. Acoustical Society of America, Louisville, May.
74. Shader, M.J.\*, Gordon-Salant, S., Kwon, B., & Goupell, M.J. (2019). The effect of age on cochlear-implant users’ recognition of consonant contrasts that vary in discrete temporal cues at different stimulation rates and different envelope modulation rates. Conference on Implantable Auditory Prostheses, Lake Tahoe, July.

75. Tinnemore, A.R.\*, Gordon-Salant, S., & Goupell, M.J. (2019). Visual Distraction Diminishes Speech Understanding in Cochlear-Implant Listeners. Conference on Implantable Auditory Prostheses, Lake Tahoe, July.
76. DeVries, L.A., Schapira, S., Anderson, S., Goupell, M.U., Smith, E., & Gordon-Salant, S. (2019). Assessing the time course of perceptual learning with pulse rate discrimination training in younger and older adults. Aging and Speech Communication Conference, Tampa, November.
77. Brow, K., DeVries, L., & Gordon-Salant, S. (2019). Does working memory influence self-reported difficulties in noise for older listeners? Aging and Speech Communication Conference, Tampa, November.
78. Tinnemore, A., Bieber, R., & Gordon-Salant, S. (2019). Benefits of a time-expansion training protocol for recognition of non-native speech by older listeners. Aging and Speech Communication Conference, Tampa, November.
79. Waddington, E., Jaekel, B., Tinnemore, A., Gordon-Salant, S., & Goupell, M. (2019). Recognition of accented speech by cochlear-implant listeners: Benefit of audiovisual cues. Aging and Speech Communication Conference, Tampa, November.
80. Xie, Z., Anderson, S., Gordon-Salant, S., & Goupell, M. (2019). Processing temporal cues for word identification in adult cochlear-implant users: Effects of aging and context. Aging and Speech Communication Conference, Tampa, November.
81. Goupell, M.J., Shader, M.J., Anderson, S., & Gordon-Salant, S. (2019). Peripheral versus central age-related temporal processing deficits: Insights from cochlear-implant users. Aging and Speech Communication Conference, Tampa, November.
82. Anderson, S.A., DeVries, L.A., Goupell, M.U., Smith, E., & Gordon-Salant, S. (2019). Temporal Rate Discrimination Training Effects on Perception and Neural Encoding in Younger and Older Listeners. Aging and Speech Communication Conference, Tampa, November.
83. Xie, Z. Xie, Z., Anderson, S., Gordon-Salant, S., Goupell, M. (2020). , "Age-related temporal processing deficits for word segments in adult cochlear-implant users: Perceptual and electrophysiological evidence," Association for Research in Otolaryngology 43rd MidWinter Meeting, ARO, San Jose, CA, United States. (2020).
84. Cohen, J.I., Brungart, D.S., & Gordon-Salant, S. (2020). Effect of aging on the segregation of familiar voices. American Auditory Society, Scottsdale, March.



85. Grant, K.W., Phatak, S.A., Kreidler, J., Rosenberg, R., & Gordon-Salant, S. (2020). Hearing and communication deficits in service members with normal audiograms. American Auditory Society, Scottsdale, March.
86. Bieber, R., & Gordon-Salant, S. (2020). Rapid adaptation to non-native speech: Effects of aging, hearing loss, and stimulus variability. Acoustical Society of America, Virtual Meeting, December.
87. Cohen, J.I., Gordon-Salant, S., & Brungart, D.S. (2020). TeamViewer software can facilitate remote data collection for studies designed for in-lab testing. Acoustical Society of America, Virtual Meeting, December.
88. Bieber, R., Tinnemore, A., & Gordon-Salant, S. (2020). Insights into rapid adaptation to Spanish-accented English words in younger and older adults. Acoustical Society of America, Virtual Meeting, December.
89. Anderson, S., DeVries, L.A., Smith, E., Goupell, M.J., & Gordon-Salant, S. (2021). Rate discrimination training may partially restore age-related temporal processing deficits. Association for Research in Otolaryngology, Midwinter Meeting, February.
90. Cohen, J., Brungart, D.S., & Gordon-Salant, S. (2021). Aging and cognition modulate talker familiarity benefit in noise. American Auditory Society, Virtual Meeting, March.
91. Schurman, J., Brungart, D.S., & Gordon-Salant, S. (2021). Effects of rate, age, hearing loss, and cognition on discourse comprehension. American Auditory Society, Virtual Meeting, March.

#### II.F. Monographs, Reports, and Extension Publications.

1. Gordon-Salant, S. (1982). Assessing speech recognition in noise by hearing-impaired listeners: a review of clinical and research findings. *Working Papers in Biocommunication*, Vol. III, College Park, MD: University of Maryland.
2. Gordon-Salant, S. (1986). Effects of consonant-vowel ratio and consonant duration enhancements on syllable recognition by young and elderly listeners with normal hearing. *Working Papers in Biocommunication*, Vol. VII, College Park, MD: U. of Maryland.
3. Cohen, M.A.\*, Tano, A.K.\*, Gordon-Salant, S., Espy-Wilson, C. (2012). Time modification techniques to improve speech intelligibility for older hearing aid users. MERIT BIEN 2012 Final Report: University of Maryland.

#### II.J. Sponsored Research and Programs – Administered by the Office of Research Administration

II.J.1. Grants

1. American Sp-Lang-Hearing Foundation/Psi Iota Xi Postdoctoral Research Award, 1982-83.
2. National Institute on Aging, NIH, Small Grant Award (PI: S. Gordon-Salant), 1984-85, \$15,000.
3. National Institute on Aging, NIH, "Auditory temporal processes, speech perception and aging". (PI: S. Gordon-Salant, Award Period: 3/15/91 - 3/14/96; Total costs for grant period: \$798,042.)
4. National Institute on Aging, NIH, Minority Research Suppl. to "Auditory temporal processes, speech perception and aging" (PI: S. Gordon-Salant, Awarded: 11/1/92 - 2/28/94; Total costs: \$53,314).
5. NIH, Training Grant on comparative hearing and evolution of hearing (PI: A. Popper; S. Gordon-Salant - core faculty, Award Period: 7/1/94 - 6/30/99; Total costs: \$405,000).
6. National Institutes of Health, Grant for Research Conferences co-sponsored with the American Speech-Language-Hearing Association (PI: Fred Spahr; S. Gordon-Salant is a member of the program committee, Award Period: 11/94 - 11/97).
7. National Institute on Aging, NIH, "Auditory temporal processes, speech perception and aging" (PI: S. Gordon-Salant, Award Period: 12/1/96 - 11/30/01; Total costs: \$1,152,235).
8. National Institute on Deafness and Other Communication Disorders, NIH, Ascertainment of families segregating hereditary auditory temporal processing deficits. (Prof. Serv. Contract; PI: S. Gordon-Salant, Total costs: \$25,297; award period: 1/1/98 - 6/30/01).
9. National Institutes of Health, Training Grant on comparative hearing and evolution of hearing, Core Faculty Member, (PI: A. Popper, Award Period: 7/1/99 -6/30/04; Total costs: \$500,000).
10. National Institute on Deafness and Other Communication Disorders, NIH, Ascertainment of families segregating hereditary auditory temporal processing deficits. (Professional Services Contract; PI: S. Gordon-Salant, Award period: 2/1/01 – 12/31/05; Total costs: \$25,000).
11. National Institute on Deafness and Other Communication Disorders, P-30 Core Center Grant (P30 DC04664), Participating Member (PI: R. Dooling, 2002 - 2007, \$1,800,00).
12. National Institute on Aging, NIH, Auditory temporal processes, speech perception and aging (PI: S. Gordon-Salant, 2002 - 2007, Total costs: \$1,571,387, funded as a MERIT award).
13. MBRS (NIGMS), "University of the District of Columbia Biomedical Research Program," G.Eng (PI), Subproject: "The effect of amplification, audibility, and frequency resolution on speech recognition" Randolph, P. (Sub-project PI), Awarded: 2001 – 2005, role: Consultant.

14. NIH, Training Grant on comparative hearing and evolution of hearing (T32- DC00046), Core Faculty Member, (PI: A. Popper, Award Period: 7/1/04 -6/30/14; Total Annual costs: \$500,000).
15. National Institute on Deafness and Other Communication Disorders, P-30 Core Center Grant, Participating Member (PI: R. Dooling, 2007 - 2013, \$1,800,00).
16. National Institute on Aging, NIH, Auditory temporal processes, speech perception and aging (PI: S. Gordon-Salant, 2007 - 2012, Total costs: \$1,571,387, MERIT award).
17. National Institute on Aging, NIH, Auditory temporal processes, speech perception and aging, Supplement to Promote Diversity in Health-Related Research (PI: S. Gordon-Salant, Grad Student: Sarah A. Friedman, Award period: 9/1/06 – 8/31/08, total costs: \$92,966).
18. National Institute on Deafness and Other Communication Disorders, Multi-site study of the efficacy of speech perception training for hearing-aid users (Subcontract PI: S. Gordon-Salant; PI: C. Watson, Award Period for Subcontract: 7/1/13 – 6/30/16, total subcontract costs: \$240,020).
19. National Institute on Aging, NIH, Auditory temporal processes, speech perception and aging, Merit Supplement to Promote Diversity in Health-Related Research (PI: S. Gordon-Salant, Student: Jonathan Mishoe, Award Period: 6/1/2010 – 8/15/2010, total costs: \$5,000)
20. National Institute on Aging, NIH, Auditory temporal processes, speech perception and aging (PI: S. Gordon-Salant, 2012-2013, Bridge funding, July, 2012 – June, 2013; Total costs \$107,224).
21. National Institute on Aging, NIH, R01: Auditory temporal processes, speech perception and aging (PI: S. Gordon-Salant). Funded, July 1, 2013 – June 30, 2019; Total costs: \$1.67 million.
22. National Institutes of Health, T32: (Training Grant on Comparative and Evolutionary Biology of Hearing,”(co-PI’s: S. Gordon-Salant & C. Carr), Award Period: 7/1/15 -6/30/20; Total costs: \$1,719,675.
23. National Institutes of Health. R01: “Temporal processing and speech understanding in older cochlear implantees” (PI: M. Goupell; Co-Investigator: S. Gordon-Salant), Award Period: 9/1/2016-8/31/2021; Total costs: \$1,843,572.00. (funded)
24. National Institutes of Health, NIDCD. R03: “Understanding and indexing the neural bases of listening effort.” (PI: S. Kuchinsky; SGS role on project: Collaborator), Award Period: 7/1/2016 – 6/30/2021 (funded).
25. National Institutes of Health, NIA. P01: “Neuroplasticity in auditory aging.” (PI: S. Gordon-Salant); Award Period: 9/15/2017 – 5/31/2022. Total costs: \$8,222,000 (funded).

26. National Institutes of Health, NIDCD, T32: Training Grant, “Comparative and Evolutionary Biology of Hearing” (Gordon-Salant & Carr, co-PIs; Award Period: 7/1/2020 – 6/30/2021. Bridge funding. Total costs: \$140,000 (awarded).
28. National Institutes of Health, NIA: Diversity Supplement to P01AG055365, “Neuroplasticity in auditory aging.” (PI: S. Gordon-Salant); Award Period: 9/15/2020 – 5/31/2022. Total costs: \$135,675 (funded).
27. National Institutes of Health, NIDCD, T32: Training Grant, “Comparative and Evolutionary Biology of Hearing” (Gordon-Salant & Carr, co-PIs; Award Period: 7/1/2021 – 6/30/2026. Total costs: 2,366,975 (funded).
28. National Institutes of Health, NIDCD, K01: “Neural Signatures of Enhanced Central Auditory Gain in Hyperacusis” (PI: K., Mass Eye and Ear Infirmary/ SGS Role: Co-mentor), 7/1/2021 – 6/30/2024. (Funded).

#### II.J.2. Contracts

1. Creare, Inc. (subcontract to Walter Reed National Military Medical Center). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2012-2013, funded). Total costs awarded: \$62,742.
2. Creare, Inc. (subcontract to WRNMMC). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2013 – 2014). Total costs awarded: \$67,600.
3. Creare, Inc. (subcontract to WRNMMC). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2014 – 2015). Total costs awarded: \$67,600.
4. Creare, Inc. (subcontract to WRNMMC). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2015 – 2016). Total costs awarded: \$67,600.
5. Creare, Inc. (subcontract to WRNMMC). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2016 – 2017). Total costs awarded: \$58,451.
6. Creare, Inc. (subcontract to WRNMMC). Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2017-2018). Total costs: \$86,115.
7. Henry Jackson Foundation, Inc. (subcontract to WRNMMC). Functional impairment in service members with normal auditory thresholds (PI of Subcontract: S. Gordon-Salant). Total costs for year 1: \$57,738; total costs for 3 years: \$179,235. (funded)

8. Creare, Inc. (subcontract to WRNMMC). Mobile Applications for Aural Rehabilitation – Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2018-2019). Total costs awarded: \$94,827
9. Creare, Inc. (subcontract to WRNMMC). Mobile Applications for Aural Rehabilitation – Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2019-2020). Total costs awarded: \$103,768.
10. Creare, Inc. (subcontract to WRNMMC). Mobile Applications for Aural Rehabilitation – Functional Hearing Evaluation for Military Occupational Specialties (PI of Subcontract: S. Gordon-Salant, 2020-2021). Total costs awarded: \$103,768.

#### II.J.3. Other (UMD awards)

1. Biomedical Research Support Award, University of Maryland, 1981-83.
2. General Research Board Award, University of Maryland, 1985, 1988.
3. Scholarship Incentive Award, Division of Behavioral and Social Sciences, University of Maryland, 1985, 1986, 1988, 1990.
4. ADVANCE Seed Grant, University of Maryland, “Speech processing algorithms for elderly Listeners with hearing loss. (role: co-PI with Carol Espy-Wilson; 5/2012-4/2013; Total costs: \$20,000).
5. Tier II Grant, Neuroplasticity and Auditory Aging, University of Maryland (PI: S. Gordon-Salant, 6/15/15 – 6/14/16); Total costs: \$75,000
6. Tier IV Grant, Neuroplasticity and Auditory Aging, University of Maryland (PI: S. Gordon-Salant, 1/15/18 – 5/22/22): total costs requested awarded: \$270,666.
7. Teaching Innovation Grant, University of Maryland (co-PIs: S. Gordon-Salant, S. Anderson, E. Hoover), summer, 2020).

#### II.P. Research Fellowships, Prizes, and Awards.

1. Fellow, American Speech-Language-Hearing Association (1989).
2. James F. Jerger Award for Outstanding Career in Research, American Academy of Audiology (2009).
3. Fellow, Acoustical Society of America (2011).
4. Recognized as an outstanding researcher in the College of Behavioral and Social Sciences, University of Maryland (2013).
5. Recipient of the 2013 Kawana Award for lifetime achievement in publications from the American Speech-Language-Hearing Association (November, 2013).
6. Honors, American Speech-Language-Hearing Association (2017).

### III. Teaching, Extension, Mentoring, and Advising

#### III.A. Courses taught in the last five years

i. Undergraduate

*HESP 311 (Anatomy, Physiology, & Pathology of the Auditory System)*

Spring, 2012, enrollment: 46

Spring, 2013, enrollment: 45

Spring, 2015, enrollment: 35

Spring, 2017, enrollment: 40

Spring, 2019, enrollment: 51

*HESP 386 (Field Study Experience in Hearing and Speech Sciences)*

Spring, 2010, enrollment: 1

*HESP 499 (Independent Study: Topics in Hearing and Speech Sciences)*

Spring, 2015, enrollment: 2

Fall, 2015, enrollment: 1

Spring, 2016, enrollment: 2

Fall, 2017, enrollment: 1

Spring, 2018, enrollment: 1

Fall, 2018, enrollment: 2

ii. Graduate

*HESP 606 (Basic Hearing Measurements)*

Fall, 2016, enrollment: 6

Fall, 2017, enrollment: 7

Fall, 2018, enrollment: 8

Fall, 2019, enrollment: 11

Fall, 2020, enrollment: 9

*HESP 636 (Geriatric Audiology)*

Spring, 2012, enrollment: 10

Spring, 2014, enrollment: 15

Spring, 2016, enrollment: 12

Spring, 2018, enrollment: 13

Spring, 2020, enrollment: 14

*HESP 708 (Independent Study)*

Summer, 2014, enrollment: 2

Fall, 2014, enrollment: 2

Spring, 2016, enrollment: 1

*HESP 849 (Capstone Research I)*

Fall, 2016, enrollment: 5  
Fall, 2017, enrollment: 4  
Fall, 2018, enrollment: 3  
Fall, 2019, enrollment: 2  
Fall, 2020, enrollment: 1

*HESP 859 (Capstone Research II)*

Spring, 2016, enrollment: 4  
Spring, 2017, enrollment: 5  
Spring, 2018, enrollment: 4  
Fall, 2018, enrollment: 1  
Spring, 2019, enrollment: 3  
Spring, 2020, enrollment: 2  
Spring, 2021, enrollment: 1

*HESP 889, HESP 898, and NACS 898 (Candidacy Research)*

Spring, 2016, enrollment: 1  
Fall, 2016, enrollment: 3  
Spring, 2017, enrollment: 2  
Fall, 2017, enrollment: 2  
Spring, 2018, enrollment: 2  
Fall, 2018, enrollment: 2  
Spring, 2019, enrollment: 1  
Fall, 2019, enrollment: 3  
Spring, 2020, enrollment: 2  
Fall, 2020, enrollment: 2

*HESP 899 and NACS 899 (Dissertation Research)*

Spring, 2016: enrollment: 2  
Fall, 2016, enrollment: 2  
Spring, 2017, enrollment: 2  
Summer, 2017, enrollment: 1  
Fall, 2018, enrollment: 1  
Spring, 2019, enrollment: 1  
Fall, 2019, enrollment: 2  
Spring, 2020, enrollment: 3  
Fall, 2020, enrollment: 3

III.B.1. Major Programs Established

Established the Doctoral Program in Clinical Audiology (CAUD) in 2002.

III.B.4. Software, Applications, Online Education, etc.

Developed extensive websites on CANVAS (2013-2014): HESP 311, HESP 606, and HESP 636

III.B.6. Course or Curriculum Development

Developed and taught HESP 636, Geriatric Audiology (2006 – present)

Revised the CAUD curriculum substantially (2014)

III.B.8. Other

Developed Education Partnership Agreement for graduate student training, with Walter Reed National Military Medical Center (2015)

III.C. Advising: Research or Clinical

III.C.1. Undergraduate:

Research Assistants Mentored with a non-credit option: Maryland Center for Undergraduate Research, or other sponsors

Spring 2015 (2)

Fall 2015 (1)

Spring 2016 (2)

Spring 2017 (1)

Summer 2017 (1)

Fall 2018 (2)

Spring 2019 (1)

Undergraduate Summer Research Supervision (undergraduates)

Kia Griffith: BSOS Summer Research Initiative Program, 2012 (co-mentor)

Maya Freund: BSOS Summer Scholar, 2014

Casey Gaskins: BSOS Summer Research Initiative Program, 2014 (co-mentor)

III.C.2. Master's: M.A. Thesis Primary Advisor

LaGuinn Parsons Sherlock, *“Performance of elderly hearing-impaired people with a multiband signal processing hearing aid”* August, 1991

Sarah Hargus, *“Accuracy of speech intelligibility index predictions for noise-masked young normal listeners and for elderly hearing impaired listeners”* December, 1993

Leslie McCreight, *“Effects of diabetes mellitus on electrophysiologic measures of auditory function”* December, 1999

III.C.3. Doctoral Dissertation Primary Advisor (Ph.D.)

Patricia Thompson, *“Effects of noise bandwidth, frequency resolution, temporal resolution, and speech enhancement techniques on speech perception in the elderly”* May, 1996



Susan Phillips, “*Frequency and temporal resolution in elderly listeners with good and poor word recognition*,” August, 1996

Ting Zhang (Co-chair), “*The benefits of acoustic input to combined electric and contralateral acoustic hearing*,” August, 2008

Kelly King (Co-chair) “*Characterizing the Auditory Phenotype of Niemann-Pick, Type C Disease: A Comparative Examination of Humans and Mice*,” May, 2011

Will Bologna (co-mentor with Judy Dubno, Med. U. of South Carolina). “*Age Effects on Perceptual Organization of Speech in Realistic Environments*,” May, 2017

Jessica Wess (co-mentor with Josh Bernstein, Walter Reed) “*The role of frequency, timing and level distortion on binaural processing simulations of cochlear implant users with single-sided deafness*,” August, 2017.

Maureen Shader (co-mentor with Matt Goupell) “*Auditory temporal processing ability in cochlear-implant users: the effects of age and peripheral neural survival*,” August, 2019

Julie Cohen (co-mentor with Douglas Brungart) “*Effects of talker familiarity and speech understanding and cognitive effort in complex listening environments*,” November, 2020

Jaclyn Schurman (co-mentor with Douglas Brungart) “*Effect of age, hearing loss, and cognition on discourse comprehension and speech intelligibility performance*,” December, 2020

Rebecca Bieber (co-mentor with Samira Anderson – current) “*Influence of supportive context and stimulus variability on rapid adaptation to non-native speech*,” (July, 2021)

Anna Tinnemore (co-mentor with Matt Goupell – current)

Mary Barrett (co-mentor with Douglas Brungart – current)

#### Doctoral Dissertation Primary Advisor (Au.D.)

Kim Laws Block, “*Processing of speech in complex listening environments by individuals with obscure auditory dysfunction*,” May, 2006

Alyson Segar, “*Personality type and self-perception of hearing aid benefit*,” August, 2006

Michele Spencer, “*Reliability and Test Environment of the SCAN-A With Children Ages 12-18*,” August, 2007

Erin McAlister, “*Investigation of frequency characteristics of DPOAEs using suppressors of varying bandwidth and center frequency presented in a forward masking paradigm,*” August, 2007

Julia Callahan, “*The benefits of closed captioning for elderly hearing aid users,*” August, 2007

Christine Gmitter, “*Age-related effects on the Threshold Equalizing Noise (TEN) Test,*” May, 2008

Barbara Libbin, “*Temporary changes in auditory function among college marching band members,*” May, 2008

Justine Cannavo, “*Predicting the loudness discomfort level from the acoustic reflex threshold and growth function,*” August, 2008

Jessica Barrett, “*Developing an evidence-based referral protocol for early diagnosis of vestibular schwannomas,*” August, 2008

#### Doctoral Capstone Research Project Primary Advisor (Au.D.)

<i>Name</i>	<i>Graduation Date</i>
Sarah Friedman	May, 2009
Christina Parker Bridges	May, 2009
Nicole Craver	May, 2009
Sienna Burke	May, 2010
Helen Hwang	May, 2010
Stacy Lunetta	May 2010
Kerri Dankos Klinseis	May, 2010
Carrie Veneman	May, 2010
Anne Ferruggiaro	August, 2010
Allison Hearn	May, 2011
Keena James	May, 2011
Janet Morton	August, 2011
Julia Rainsford	May, 2012
Julie Cohen	May, 2012
Hallie Plevinsky (co-advisor)	May, 2012
Danielle Zion (co-advisor)	August, 2012
Will Bologna (co-advisor)	August, 2012
Travis Conrad (co-advisor)	May, 2013
Christina Do (co-advisor)	May, 2013
Viral Tejani (co-advisor)	May, 2013
Christopher Waldroup	August, 2013

Erin Pickett	May, 2014
Stacey Samuels Cole	May, 2014
Juliette Gassert	August, 2014
Natalie Lapreziosa	December, 2014
Hannah Willison	May, 2015
Jaclyn Schurman	May, 2015
Chelsea Vogel	May, 2016
Kerrienne Costantino	May, 2016
Sadie Coleman	August, 2016
Mary Barrett	May, 2017
Rebecca Bieber	May, 2017
Amber Frazier (co-mentor)	May, 2018
Gavin Mahoney	May, 2018
Mikayla Abrams	May, 2018
Sarah Shin (co-mentor)	May, 2018
David Jara	December, 2018
Maya Freund	May, 2019
Calli Fodor	May, 2019
Eve Kronzek (co-mentor)	May, 2019
Jen Chisholm (co-mentor)	May, 2019
Kelsey Oppler	May, 2020
Ronella Rosenberg	May, 2020
Jessica Kreidler	May, 2020
Alyson Schapira	May, 2021
Calli Yancey	current

<i>Name (Department)</i>	<i>Graduation Date</i>
Jaclyn Gartner (HESP)	December, 2003
Celia Basich-Zeren (HESP)	July, 2004
Efrat Schorr (EDHD)	May, 2005
Colleen Karnas (MUSC)	May, 2005
Amanda Lauer (PSYC)	May, 2006
Adele Carter (MUSC)	December, 2006
Caroline Roberts (HESP)	August, 2007
Sally Mahmood (HESP)	May, 2008
Arvin Gopal (MUSC)	May, 2008
Krista Heinlen (HESP)	August 2008
Krystal Strazik (HESP)	May, 2009
Kelly Hoffard (HESP)	May, 2009
Jian Yu (HESP)	May, 2009
Kara Schwartz (HESP)	May, 2010

Beth Vernaleo (NACS)	May, 2010
Fabiola Peredo (HESP)	May, 2011
Lale Evsen (NACS)	December, 2011
Sandra Blumentrath (PSYC)	June, 2011
Matthew Winn (HESP)	December, 2011
Alessandro Presacco (NACS)	August, 2016
Tao Jiang (NACS)	December, 2016
Venkata N. Puvvada (ENGR)	September, 2017
Binghan Xue (BIOL)	<i>current</i>

## III.D. Mentorship

## III.D.1. Junior Faculty

Fan-Gang Zeng	Matt Goupell
Michelle Hicks	Yasmeen Faroqi-Shah
Monita Chatterjee	Nicole Li
Tracy Fitzgerald	Samira Anderson
	Yi Ting Huang

## III.E. Advising: Other Than Research Direction

## ii. Graduate – Academic Advising for Doctor of Audiology (Au.D.) Students

Fall, 2016 – Spring, 2017	(9)
Fall, 2017 – Spring, 2018	(8)
Fall, 2018 – Spring, 2019	(13)
Fall, 2019 – Spring, 2020	(10)
Fall, 2020 – Spring, 2021	(9)

## III.G. Contribution to Learning Outcomes Assessment

Developed original and revised LOAs for Doctoral Program in Clinical Audiology  
 Chair the Committee to conduct LOAs for CAUD students annually  
 Prepare and submit LOA reports to BSOS Dean's Office and Graduate School

## III.I. Teaching Awards and Other Special Recognition

Faculty Award for Instructional Improvement, University of Maryland, 1982-83  
 BSOS Teaching Excellence Award, awarded, 1992-1993.  
 Faculty Award for Instructional Improvement, University of Maryland, 1998-99  
 Faculty Mentor Award; Philip Merrill Presidential Scholars Program, University of Maryland, 2009  
 Teaching Excellence Award, College of Behavioral and Social Sciences, 2012-2013.  
 Distinguished Scholar-Teacher Award, University of Maryland, 2017-2018.

#### IV. Service and Outreach

##### IV.A. Editorships, Editorial Boards, and Reviewing Activities

###### IV.A.1. Editorships

1. Editorial Associate, *Journal of the American Academy of Audiology*, (1989 - 1998).
2. Associate Editor (Hearing Section), *Journal Speech and Hearing Research* (1992-1995).
3. Guest Editor, Special Issue on Hearing and Aging, *Journal of the American Academy of Audiology*, 7, June, 1996.
4. Editor, *Journal of Speech and Hearing Research*, Hearing Section, (1996 - 1998).
5. Past Editor, *Journal of Speech, Language, and Hearing Research*, Hearing Section, (1999-2001)
6. Associate Editor, *The MIT Encyclopedia of Communication Disorders* (2003). Editor: Ray D. Kent; Publisher: The MIT Press, Cambridge, MA
7. Guest Editor, *Journal of Speech, Language, and Hearing Research*, Fall, 2011.
8. Associate Editor, *Journal of the Acoustical Society of America – Express Letters* (2011 –2014.)

###### IV.A.2. Reviewing Activities for Journals and Presses

1. *Ear and Hearing*, (Reviewer: 1984, 1985, 1988; Editorial Consultant: 1989 - present).
2. *Journal of the Acoustical Society of America*, (Reviewer: 1986 - present).
3. *Journal of Speech and Hearing Research* (Editorial Consultant: 1987 - 1992).
4. *Journal of Speech, Language, and Hearing Research* (Reviewer: 1999 - present).
5. *International Journal of Audiology* (Reviewer: 2002 – present).
6. *Hearing Research* (Reviewer: 2003 – present).
7. Reviewer also for *Journal of Gerontology*, *American Journal of Audiology*, *Psychology and Aging*, *Journal of Experimental Psychology*, *IEEE Transactions in Speech and Audio*, *Hearing Research*, *Journal of Rehabilitation Research and Development*, *Attention, Perception, and Psychophysics*.

###### IV.A.4 Reviewing Activities for Agencies and Foundations

1. National Science Foundation (Reviewer: 1986, 1987, 1991, 1994).
2. American Speech-Language-Hearing Foundation Psi Iota Xi postdoctoral research awards (Panel Reviewer: 1990, 1992).
3. National Institutes of Health - National Institute on Aging (Member, Site Visit Team, Program Project Grant from the National Technical Institute for the Deaf, June 4-5, 1990).
4. Department of Health and Human Services, Allied Health Special Project Grants (Technical Reviewer, 1992).
5. National Institutes of Health, Human Development and Aging Study Section (Special Reviewer, October, 1992).
6. National Institute on Deafness and Other Communication Disorders, NIH (Member, Special Review Committee June, 1992).

7. National Institutes of Health - National Institute on Deafness and Other Communication Disorders (Member, Site Visit Team, Iowa Cochlear Implant Program Center Grant, Jan, 1995).
8. National Institute on Deafness and Other Communication Disorders, NIH (Member, Communication Disorders Review Committee, June, 1995 - June, 1999).
9. National Institute on Deafness and Other Communication Disorders, NIH (Member, Special Emphasis Panel, December, 1996).
10. National Institute on Deafness and Other Communication Disorders, NIH (Chair, Special Emphasis Panel, September, 2001).
11. Hearing Science Study Section (IFCN-6), Division of Research Grants, National Institutes of Health, March, 2003.
12. Cognition and Perception Study Section (formerly BBBP-4), Division of Research Grants, National Institutes of Health, February, 2004.
13. Small Business Innovative Research Grants (SBIR), Division of Research Grants, National Institutes of Health, July, 2004.
14. Veterans Administration Research Grants, review June 16, 2005.
15. National Institute on Deafness and Other Communication Disorders, NIH, Special Emphasis Panel, T35 Short-term institutional training grant applications for pre-doctoral training in hearing/auditory research, (October 3, 2006).
16. National Institutes of Health, Special Emphasis Panel, Dev-2 Study Section, Biology of Development and Aging, SBIR and STTR grant applications (December 6-8, 2006).
17. National Institute on Deafness and Other Communication Disorders, NIH, Special Emphasis Panel, Loan Repayment Program Review (May 7-8, 2007).
18. National Institute on Deafness and Other Communication Disorders, NIH, Special Emphasis Panel, T35 Short-term institutional training grants for pre-doctoral training in hearing auditory research (September 20, 2007).
19. National Eye Institute, NIH, Special Emphasis Panel, Vision Study Section (R01 and R21 applications) (June 4, 2008).
20. National Institutes of Health, Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 ETTN-H, Improving Interventions for Communication Disorders (NIDCD). (June 9, 2009).
21. National Institutes of Health, Scientific Review Group ZRG1 IFCN-A 58 R, Challenge Grants Panel 8 (June 5, 2009).
22. National Institutes of Health, Scientific Review Group, RC4, Recovery Act Limited Competition: Director's Opportunity for Research in Five Thematic Areas (May, 2010).
23. National Institutes of Health, Scientific Review Group, Fogarty International Research Collaboration in Behavioral and Social Sciences, R03 (March, 2011).
24. National Institutes of Health, Scientific Review Group, Scientific Review Group: ZDC1 SRB-R-34, Loan Repayment Review Meeting (April, 2011).
25. National Institute on Deafness and Other Communication Disorders, NIH, Special Emphasis Panel, T35 and T32 training grants in Communication Sciences and Disorders (Oct 25, 2011).
26. National Institutes of Health, Scientific Review Group ZRG1 IFCN-M (51) R PAR-10-112: Hearing Health Care Outcomes (May 24, 2012).

27. National Institutes of Health, Center for Scientific Review, AUD (Auditory) Study Section, regular member, 2012 – 2016.
28. National Institutes of Health, NDCD, Advisory Council, regular member, 2017 – 2021.
29. National Institutes of Health, NDCD, Sub-committee in Diversity and Inclusion, 2020-2021.
30. Reviewer, National Academies of Sciences, Engineering, and Medicine, Report on Evaluating Hearing Loss for Individuals with Cochlear Implants, 2020-2021.

#### IV.B. Committees, Professional & Campus Service

##### IV.B.1. Campus Service – Department (emphasis on last five years)

1. Human Relations Committee 1989 - present
2. Admissions Committee 2004 – 2012; 2013 - 2017
3. Departmental Merit Review 1996 - 2012 (Co-Chair)
4. Faculty Liaison to IRB 2005 - present
5. HESP Strategic Plan Committee 2008
6. Member, Periodic Review Committee,  
Yasmeen Shah, Assistant Professor 2008
7. Chair, Initial Review Committee,  
Monita Chatterjee, Assistant Professor 2008
8. Chair, Initial Review Committee,  
Yasmeen Shah, Assistant Professor 2010
9. Chair, Search Committee, Audiology Faculty Member 2010-2011
10. Member, Search Committee, HESP Faculty Member 2010-2011
11. Chair, Search Committee, Audiology Faculty Member 2011 – 2012
12. Member, Search Committee, HESP Faculty Member 2011-2012
13. Chair, APT Review Committee, Emerita Status for  
Froma Roth 2011
14. Chair, Initial Review Committee,  
Rochelle Newman, Associate Professor 2012-2013
15. Member, Search Committee, Chair for Dept. HESP 2012-2013; 2013-2014
16. Member, Appointment and Promotion Review  
Committee for non tenure-track Clinical Faculty  
(M. McCabe, V. Sisskin, C. Worthington) 2013-2014
17. Chair, AUD Committee 2002 – present
18. Chair, Search Committee, Assist. Prof. in Audiology 2014 – 2015
19. Chair, Pre-tenure Review Committee,  
Dr. Matthew Goupell, Assistant Professor 2014
20. Member, Pre-tenure Review Committee,  
Dr. Yi-Ting Huang 2015
21. Chair, APT Review Committee,  
Matthew Goupell, Assistant Professor 2015
22. Member, Dept. Review Committee, Jan Edwards,  
Professor 2015-2016

- |  |           |
|--|-----------|
| 23. Member, Search Committee,<br>Director of Audiologic Services, HESP             | 2015-2016 |
| 24. Chair, APT Review Committee, Emerita Status for<br>Margaret McCabe             | 2016      |
| 25. Chair, APT Review Committee,<br>Dr. Samira Anderson, Assistant Professor       | 2017      |
| 26. Member, APT Review Committee,<br>Dr. Jared Novick                              | 2018      |
| 27. Member, periodic Review Committee,<br>Dr. Yasmeen Faroqi-Shah                  | 2019      |
| 28. Chair, Promotion Review Committee,<br>Dr. Matthew Goupell, Associate Professor | 2020      |

## IV.B.2.College

- |   |                            |
|---|----------------------------|
| 1. Provost's Advisory Committee on the<br>Dept. of Hearing and Speech Sciences    | Fall, 1983                 |
| 2. Departmental Representative to BSOS<br>Equity Review Committee                 | 1987                       |
| 3. Lefrak Hall Security Committee   | 1987 - 1991                |
| 4. Academic Council   | 1987 - 1989                |
| 5. Executive Committee  | 1987 - 1989                |
| 6. Scholarship Incentive Review Committee   | 1988, 1989                 |
| 7. Committee on Undergraduate Requirements  | 1989 - 1990                |
| 8. Salary Equity Review Committee   | 1989                       |
| 9. Faculty Advisory Committee on Cost Containment                                 | 1990                       |
| 10. Computer Lab Faculty Advisory Committee                                       | 1992 - 1998                |
| 11. Academic Planning Committee   | 1992 - 1997                |
| 12. Committee for Teaching Excellence   | 1994                       |
| 13. Psychology Review Committee   | 1995 - 1997                |
| 14. Promotion and Tenure Committee  | 1996 – 1998 (Chair: 97-98) |
| 15. Advisory Committee on Information Technology                                  | 1997 – 1998                |
| 16. Review Committee, Office of Academic and<br>Computing Services (OACS)         | 1997 - 1998                |
| 17. Review Committee, Chair of Dept. of Psychology                                | 2000 – 2001                |
| 18. Review Committee, Chair of the Dept. of Hearing<br>and Speech Sciences (HESP) | 2006                       |
| 19. Appointment, Promotion and Tenure Committee                                   | 2010-2012 (Chair: 11-12)   |
| 20. ADVANCE Professor for BSOS  | 2012-2013                  |
| 21. BSOS Distinguished Dissertation Award Review<br>Committee                     | 2014-2015                  |
| 22. Council of Directors of Graduate Studies                                      | 2014- 2017                 |



## IV.B.3.University

- |     |   |                      |
|-----|---|----------------------|
| 1.  | IRB for Human Subjects Research   | 1982 - 1985          |
| 2.  | Faculty Senate, Alternate   | 1987 – 1990          |
| 3.  | Committee of V.P.of Academic Affairs and<br>Dean of BSOS re: the Future of the<br>Hearing and Speech Sciences Dept.     | 1991                 |
| 4.  | Member, Graduate School Research<br>Policy Committee  | 1998 - 1999          |
| 5.  | Graduate Council Research Committee<br>Instructional Improvement Grant Review<br>Team (Office of Undergraduate Studies) | 1998 - 1999          |
| 6.  | Search Committee, Dean of Life Sciences   | 1999 – 2000          |
| 7.  | Campus Appeals Committee, Promotion and<br>Tenure decisions (Advisory to Provost)                                       | 2000 – 2001          |
| 8.  | Search Committee, Dean of the College of<br>Behavioral and Social Sciences  | 2002-2003            |
| 9.  | Appointment, Promotion, and Tenure Committee  | 2005 – 2008          |
| 10. | Inquiry Committee for Research Integrity,<br>Provost’s Office (Chair)   | 2007                 |
| 11. | Director, Admissions Committee, Neuroscience<br>and Cognitive Science (NACS) Program                                    | 2007-2010            |
| 12. | Executive Committee, NACS   | 2007-2010; 2013-2015 |
| 13. | General Research Board (GRB)  | 2008-2009            |
| 14. | Research and Scholarship Awards Committee   | 2009-2013            |
| 15. | Search Committee, Dean of the College of<br>Behavioral and Social Sciences  | 2009                 |
| 16. | Academic Planning Advisory Committee (APAC)   | 2009 - 2011          |
| 17. | Member, University Research Council   | 2012 – 2014          |
| 18. | UMD-ADVANCE Committee to review service<br>Commitments of tenure-track faculty  | 2013-2014            |
| 19. | Conference Organizer, Joint Workshop of UMD<br>and NIDCD (held at NIDCD)  | 2014 (fall)          |
| 20. | Campus Appeals Committee, Promotion and<br>Tenure decisions (Advisory to Provost)                                       | 2015 – 2016          |
| 21. | Conference Organizer, Joint Workshop at UMD<br>And NIDCD (held at UMD)  | 2016 (fall)          |
| 22. | Distinguished Scholar-Teacher Selection<br>Committee  | 2017-2018            |
| 23. | UMD Task force for re-opening human subjects<br>Research on campus  | 2020                 |

## IV.B.4. Special Administrative Assignments (HESP Dept)

- |    |   |              |
|----|---|--------------|
| 1. | Co-coordinator of Graduate Student Orientation  | 1983-present |
| 2. | Leader of the initiative to seek approval for the<br>Doctoral Program in Clinical Audiology   | 2001 – 2002  |
| 3. | Leader of Campus Initiative to develop an MOU<br>with Walter Reed National Military Medical Ctr<br>for research training of doctoral students | 2013-2015    |

## IV.B.5. Other

- |    |  |              |
|----|--|--------------|
| 1. | Participant in Leadership Education and<br>Administrative Development (LEAD) Program,<br>University of Maryland, College Park, | Fall, 2004   |
| 2. | Participant in LEAD II Program, UMCP   | Spring, 2005 |

## IV.B.6. Inter-institutional and Regional

1. Developed the "Education Partnership Agreement" with Walter Reed National Military Medical Center, 2013-2016 (approved 2016).

## IV.B.7. Offices and Committee Memberships - Professional

1. Member, Operations Task Force, American Speech-Language-Hearing Association Convention, Washington, DC, 1985.
2. Member, American Speech-Language-Hearing Association Committee on Audiologic Evaluation, 1985-86.
3. Advisor, U.S. Congress Office of Technology Assessment, Background Paper: "Hearing Impairment and Elderly People," 1986.
4. Member, American Speech-Language-Hearing Association Committee on Audiologic Standards, 1987 - 1991.
5. Member, American Speech-Language-Hearing Association Task Force on the National Institutes of Health (appointed by the Executive Board), 1988 - 1994.
6. Member, Advisory Board, American Academy of Audiology (appointed by Executive Board), 1989-1990.
7. Member, Board of Representatives, American Academy of Audiology (appointed by Executive Board), 1991 -1993.
8. Member, Coordinating Committee, Research and Technology Division, American Speech-Language-Hearing Association, 1991 - 1994.
9. Member, Convention Program Committee, American Speech-Language-Hearing Association, 1991 - 1992, 1994 - 1995, 2000 - 2001.
10. Member, Student Research Forum, Convention Program Committee, American Academy of Audiology, 1998 - 2001.
11. Member, Research Committee, American Academy of Audiology, 1998-2002.
12. Member, Research Committee, American Academy of Audiology, 2004 – 2005.

13. Member, Program Planning Committee, NCRAR Conference, 2004-2005.
14. Member, Program Planning Committee, Aging and Speech Communication Research Conference, 2004-2005; 2006 – 2007; 2008 – 2009, 2010-2011, 2012-2013, 2014-2015.
15. Member, Patient Advocacy Committee, Association for Research in Otolaryngology, 2006 - 2009.
16. Member, Program Planning Committee, Audiology Research Conference, American Academy of Audiology, 2008 – 2010.
17. Voting Member (Alternate) on American Standards Association Auditory Standards Committees, representing the American Academy of Audiology, 2009 – 2013.
18. Member, Technical Program Organizing Committee, Acoustical Soc. of America, 2009- 2010.
19. Member, Task Force on Central Auditory Processing in Elderly Adults, American Academy of Audiology, 2009 – 2012.
20. Consultant, AARP Hearing Care Awareness and Education Advisory Board, 2010 – 2014.
21. External Advisory Committee, NIDCD-funded K23 Award, Frank Lin, M.D., Ph.D. (Johns Hopkins University), 2010 - present
22. Reviewer, American Speech-Language-Hearing Association, Research Travel Awards, 2011.
23. Reviewer, American Academy of Audiology Foundation, Empowering People Scholarship Awards, 2014.
24. Invited participant, NSF Workshop on Speech Technology Needs, May, 2015.
25. Member, Committee to review New Investigators Research Grants, ASHA, August, 2017.
26. Invited participant, ASHA Pathways to Success, mentor to Bruna Mussoi, June, 2018.

#### IV.B.8. Leadership Roles in Meetings and Conferences

1. Chair, American Speech-Language-Hearing Association Committee on Audiologic Evaluation, 1986-1991.
2. Chair, Task Force on Hearing Loss and the Elderly, American Academy of Audiology (appointed by Executive Committee), 1990-1991.
3. Co-Chair, Student Research Forum, Convention Program Committee, American Academy of Audiology, 1992-1993.
4. Secretary/Treasurer, Board of Directors, American Academy of Audiology Foundation for the Advancement of Audiology and Hearing Science, 2003 – 2005.
5. Chair, Finance Committee, American Academy of Audiology Foundation Board, 2003–05.

#### IV.B.9. Other Non-University Committees, Memberships, Panels, etc.

1. Member, Committee on Disability Determination for Individuals with Hearing Impairments, Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education, National Research Council, National Acad. of Sci., 2002 - 2004.
2. Member, Committee on Medical Evaluation of Veterans for Disability Compensation, Institute of Medicine, The National Academies, 2006 – 2007.
3. External Review Committee, Frank Lin, M.D., Ph.D., Johns Hopkins University, NIDCD K23 award.

4. External Review Committee, State University of New York, State Education Department, Review of Proposed M.S. Degree Program in Audiology Sciences at the University of Buffalo, 2017.
5. External Review Committee, Department of Speech and Hearing Sciences, University of Illinois, 2021.

#### IV.B.10.Other

1. Invited Participant, Workshop on Sensory Impairments and Aging - United States and Italy. Sponsored by the U.S. National Institute on Aging (NIH), the U.S. National Center for Health Statistics (NIH) and the Italian Research Council. December 3-4, 1990.
2. Invited Participant, Workshop on Research Initiative on IP-Based Relay Technologies. Sponsored by the Federal Communications Commission (FCC) and the National Institute on Aging (NIA) of the NIH. February 18, 2014.

#### IV.C. External Service and Consulting

##### IV.C.2. International Activities

1. Medical Research Council, UK, guest reviewer (March, 2009)
2. Israel Science Foundation, guest reviewer (March, 2010; March, 2014).
3. External Examiner, Dissertation of Meital Avivi, University of Toronto (December, 2014)
4. External Reviewer, Freiburg Institute for Advanced Studies, Germany (November, 2015)
5. External Reviewer, Medical Research Council –UK, guest reviewer (March, 2021)
6. Medical Research Council, UK, guest reviewer (Spring, 2021)

##### IV.C.5.Consultancies

1. Qualified and testified as an expert witness, Court of Claims of New York, July 16, 2003.
2. New Jersey Commission on Higher Education, review of Montclair State University petition for Audiology Doctoral Program, June 20-22, 2005.
3. Qualified and testified as an expert witness, Federal District Court, January 3, 2012.
4. Autifony Therapeutics, Inc. 2013 - 2014.
5. Congressional Research Service, Library of Congress, consulted on wearable hearing aids to inform congressional policy, May, 2019.

#### IV.E. Media Contributions

1. Interviewed regarding telephone hearing screening procedures. Published in L.A. Times, May 1, 1990.
2. Interviewed on WGTS public radio station, "Generations Together," on Hearing and the Baltimore Longitudinal Study on Aging, February 22, 1995.
3. Interviewed for "Men's Health Magazine" on noise-induced hearing loss (May, 1998 issue).
4. Interviewed for "Advance" Magazine on age-related hearing loss (Spring, 1999 issue).
5. Invited participant, "Impact of Au.D. Programs on the Training of Researchers in Audiology," National Institute on Deafness and Other Communication Disorders, April 2001.
6. Interviewed for "Reader's Digest" on age-related hearing loss (June, 2002 issue).

7. Featured in ASHA promotional film for careers in Hearing and Speech Sciences (2002)
8. Provided data and background research for “Scream Cuisine,” article appeared in the Washington Post (written by Stefanie Weiss), April, 2003.
9. Interviewed for *Advance Magazine*, May, 2009.
10. Interviewed for National Public Radio by Patti Neighmond, April, 2011.
11. Interviewed for *Community Magazine* article: “Are loud parties destroying our hearing?” Dec, 2012
12. Interviewed for *Neurology Today* article: “Hearing loss linked with cognitive decline” March, 2013
13. Interviewed for ASHA Podcast entitled, “Untreated Hearing Loss – Identify the Signs” July, 2013
14. Interviewed for *Hearing Health Magazine*, article on improving speech intelligibility for the hard of hearing, January, 2018 (Published Spring, 2018).
15. Interviewed for *Brain and Life Magazine*, article on hearing and brain health, August, 2018.

#### IV.F. Community and Other Service.

1. Member, Noise Control Advisory Board, Montgomery County 1998 – 2006