

CURRICULUM VITAE

Frederick (Erick) J. Gallun

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Research Investigator

**VA RR&D National Center for Rehabilitative
Auditory Research (NCRAR)
VA Portland Health Care System
3710 SW US Veterans Hospital Road
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Associate Professor

**Oregon Health & Science University
Dept. of Otolaryngology/Head & Neck Surgery
and Neuroscience Graduate Program
3181 SW Sam Jackson Park Road, PV01
Portland, Oregon 97239**

Education

2003-2006	Post-Doc in Communication Disorders, Boston University
2003	PhD in Psychology, University of California, Berkeley
1993	BA in Psychology, Reed College, Portland, OR

Current Funding

Principal Investigator

NIH-NIDCD, Translational R01	2016-2021 (approved)
NIH-NIDCD, R01	2012-2017
VA RR&D, Merit Review Award (Co-PI: Leek)	2011-2015

Site Principal Investigator

VA RR&D, Multisite Merit Review Award (Lead PI: Pratt)	2015-2018
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Co-Investigator

EU Marie Curie (PI: Kopco)	2016-2018
NSF (PI: Shinn-Cunningham)	2016-2018
NIH-NIDCD, R01 (PI: Molis)	2013-2018
VA RR&D, Merit Review Award (PI: Molis)	2013-2016

Consultant

NIH-NIDCD, R01 (PI: Kidd)	2014-2019
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Selected Completed Funding

Principal Investigator

VA RR&D, Career Development Award II	2007-2011
NIH-NIDCD, R03, Small Grant Award	2007-2011
NIH-NIDCD, F32, Individual Postdoctoral Fellowship	2004-2006

Co-Principal Investigator

VA RR&D, Merit Review Award (PI Konrad-Martin)	2010-2014
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Research Experience

Research Investigator	NCRAR, Portland, OR	2006-present
Neuroscience Graduate Program Faculty	OHSU, Portland, OR	2013-present
Associate Professor	OHSU, Portland, OR	2012-present
Assistant Professor	OHSU, Portland, OR	2006-2012
Research Associate/Postdoctoral Fellow	Boston University	2003-2006
Graduate Student Researcher	UC Berkeley	1995 – 2003

Teaching Experience

<i>Independent Study: Matlab and Signal Processing</i>	NCRAR	2009-present
<i>Psychoacoustical Approaches to Hearing</i>	NCRAR	2009, 2010, 2015
<i>Signal Detection Theory using Matlab</i>	NCRAR	2008

<i>Psychoacoustics</i>	Boston University	2006
<i>Introduction to Psychology</i>	UC Berkeley	1999
Graduate Student Instructor (4 classes)	UC Berkeley	1996-1999

Statistical Consultant

Mottron Lab, McGill University		2001–2003; 2006
Psychology Department, UC Berkeley		2000 –2002

Honors

2014 Elected Fellow of the Acoustical Society of America

Service to NCRAR, Dept. of Veterans Affairs, and US Government

2014-	<i>Member, VA Portland Health Care System R&D Committee</i>
2013-2015	<i>Member, NCRAR Executive Committee</i>
2011-2014	<i>Alternative Member, Portland VA Medical Center R&D Committee</i>
2009 -2012	<i>Consultant, United States Dept. of Justice</i>
2015	<i>Invited Participant and Presenter, “Veterans Affairs State of the Art Conference on Traumatic Brain Injury”, August 23-25, 2015, Washington, DC</i>
2015	<i>Invited Participant and Presenter, NIH/NIDCD “Workshop on Hidden Hearing Loss”, May4-5, 2015, Bethesda, MD</i>
2009	<i>Invited Presenter, “National VHA/DOD Conference: Sensory Impairment Issues in Traumatic Brain Injury”, December 8-10, 2009, Chicago, IL</i>
2009	<i>Program Chair for NCRAR 2009 Biennial Conference “The Ear-Brain System: Approaches to the Diagnosis and Treatment of Hearing Loss”</i>
2008	<i>Invited Participant, “Veterans Affairs Office of Research and Development State of the Art Conference: Approaches to Traumatic Brain Injury Screening, Treatment, Management, and Rehabilitation”, April 30-May 2, 2008, Arlington, VA.</i>
2012	<i>NCRAR Representative Scientist “Traumatic Brain Injury (TBI)-Related Sensory Injury: Central Blast Facility Coordination”, May 2-3, 2012, Albuquerque, NM.</i>
2007	<i>NCRAR Representative Scientist, “DOD Auditory Research Working Group Meeting”, August 20-21, 2007, Naval Submarine Research Laboratory, Groton, CT.</i>

Service to Professional Organizations

2013-	<i>Associate Editor, Journal of the Acoustical Society of America</i>
2007-2014	<i>Associate Editor, Proceedings of Meetings on Acoustics</i>
2002-	<i>Ad Hoc Reviewer</i>

- *Acta Acustica united with Acustica*
- *American Journal of Audiology*
- *BMC Neuroscience*
- *Child Development*
- *Ear & Hearing*
- *Frontiers in Neuroscience*
- *Frontiers in Neurology*
- *Hearing Research*
- *International Journal of Audiology*
- *International Journal of Otolaryngology*
- *Journal of the Acoustical Society of America (JASA)*
- *JASA: Express Letters*
- *Journal of the American Academy of Audiology*
- *Journal of the Association for Research in Otolaryngology*
- *Journal of Experimental Psychology: Human Perception and Performance*
- *Journal of Neurotrauma*
- *Journal of Speech, Language, and Hearing Research*
- *Neurologia i Neurochirurgia Polska*
- *Perception and Psychophysics*
- *Psychological Research*
- *Psychological Review*
- *Scientific Reports*

- 2013-2015 *Reviewer*, Hearing Health Foundation, Emerging Research Grants
 2009 *Reviewer*, American Speech Language and Hearing Association Grant Review
 2014- *Member*, Program Organizing Committee, Association for Research in Otolaryngology
 2014- *Chair*, Tutorials Committee, Acoustical Society of America
 2011-2014 *Member*, Tutorials Committee, Acoustical Society of America
 2010- *Member*, Standards Working Group on Spatial Audiometry, Acoustical Society of America
 2009-2012 *Elected Member*, Psychological & Physiological Acoustics Technical Committee, Acoustical Society of America
- 2015 *Co-Organizer*, Second Annual Workshop on Cognitive Neuroscience of Auditory and Cross-modal Perception, P.J. Šafárik University, Košice, Slovakia
 2014 *Organizer and Chair*, Special Session on Sensory Disorders After Military Brain Injury, 32nd Annual Symposium of the National Neurotrauma Society, San Francisco, CA
 2014 *Co-Organizer and Co-Chair*, Special Session on Psychoacoustics in Rooms, 167th Meeting of the Acoustical Society of America, Providence, RI
 2013 *Mentor*, ASHA Pathways Program; Melissa Papesh, AuD/PhD, Mentee
 2013 *Session Moderator*, 36th Annual Midwinter Meeting, ARO, Baltimore, MD
 2011 *Session Chair*, 161st Meeting of the Acoustical Society of America, Seattle, WA
 2009 *P&P representative*, Technical Program Organizing Committee, 157th Meeting of the Acoustical Society of America, Portland, OR
 2009 *Organizer and Co-Chair*, Special Session on Theory Construction, 157th Meeting of the Acoustical Society of America, Portland, OR
 2006 *Organizer and Chair*, ASA Special Session on Attention, 151st Meeting of the Acoustical Society of America, Providence, Rhode Island
- 2013- *Member*, National Neurotrauma Society
 2009- *Member*, Association for Psychological Science
 2007- *Member*, American Auditory Society
 1998- *Member*, Association for Research in Otolaryngology
 1996- *Member*, Acoustical Society of America

Peer-Reviewed Publications

1. Gallun, F.J., Lewis, M.S., Folmer, R.L., Hutter, M., Papesh, M.A., Belding, H., Leek, M.R. (in press) "Chronic effects of exposure to high-intensity blasts: Results on tests of Central Auditory Processing" *Journal of Rehabilitation Research and Development*.
2. Reinhart, P.N., Souza, P.E., Srinivasan, N.K., Gallun, F.J. (in press) "Effects of reverberation and compression on consonant identification in individuals with hearing impairment" *Ear and Hearing*.
3. Hoover, E.C., Souza, P.E., Gallun, F.J. (2015) "Competing Views on Abnormal Auditory Results After Mild Traumatic Brain Injury" *SIG 6 Perspectives on Hearing and Hearing Disorders: Research and Diagnostics*. 19:12-21.
4. Souza, P., Wright, R., Blackburn, M., Tatman, R., Gallun, F. (2015). "Individual sensitivity to spectral and temporal cues in listeners with hearing impairment." *Journal of Speech Language and Hearing Research*. 58(2):520-34. PMID: 25629388.
5. Molis, M. R., Kampel, S. D., McMillan, G. P., Gallun, F. J., Dann, S. M., Konrad-Martin, D. (2015). "Effects of hearing and aging on sentence-level time-gated word recognition". *Journal of Speech Language and Hearing Research*. 58(2):481-96. PMID: 25815688.
6. Ellingson, R. M., Gallun, F. J., Bock, G. (2015). "Measurement with verification of stationary signals and noise in extremely quiet environments – measuring below the noise floor." *Journal of the Acoustical Society of America*. 137(3):1164-1179. PMID: 4379757
7. Gallun, F.J., McMillan, G.P., Molis, M.R., Kampel, S.D., Dann, S.M., Konrad-Martin, D. (2014) "Relating age and hearing loss to monaural, bilateral, and binaural temporal sensitivity" *Frontiers in Neuroscience*. 8:172. PMID: 4070059

8. Mehraei, G., Gallun, F.J., Leek, M., Bernstein, J.G.W. (2014) "Spectrotemporal modulation sensitivity for hearing-impaired listeners: Dependence on carrier center frequency and the relationship to speech intelligibility" *Journal of the Acoustical Society of America*.136(1):301-316. PMID: 4187385
9. Brennan, M., Gallun, F.J., Stecker, G.C., Souza, P.E. (2013) "Temporal resolution with a prescriptive fitting formula" *American Journal of Audiology*. 22: 216-225. PMID: 3806900
10. Gallun, F.J., Diedesch, A.C., Kampel, S.D., Jakien, K.M. (2013). "Independent impacts of age and hearing loss on spatial release in a complex auditory environment" *Frontiers in Neuroscience*. 7:252. PMID: 3870327
11. Sabin, A.T., Gallun, F.J., Souza, P.E. (2013) "Acoustical correlates of performance on a dynamic range compression discrimination task" *Journal of the Acoustical Society of America*.134(3): 2136-2147. PMID: 3765331
12. Pope, D.S., Gallun, F.J., Kampel, S. (2013) "Effect of hospital noise on patients' ability to hear, understand and recall speech" *Research in Nursing & Health*. 36, 228-241. PMID: 23606205
13. Bernstein, J.G.W., Mehraei, G., Shamma, S., Gallun, F.J., Theodoroff, S., Leek, M. (2013) "Spectrotemporal modulation sensitivity as a predictor of speech intelligibility for hearing-impaired listeners" *Journal of the American Academy of Audiology*. 24(4): 293-306. PMID: 3973426
14. McMillan, G.P., Hanson, T.E., Saunders, G., Gallun, F.J. (2013) "A two-component circular regression model for repeated measures auditory localization data" *Journal of the Royal Statistical Society, Series C (Applied Statistics)*. 64, 515-534. doi: 10.1111/rssc.12004
15. Molis, M.R., Diedesch, A.C., Gallun, F.J., Leek, M.R. (2013). "Vowel identification by amplitude and phase contrast" *Journal of the Association for Research in Otolaryngology*.14(1), 125-137. PMID: 3540275
16. Hoover, E., Souza, P.E., Gallun, F.J. (2012). "The consonant-weighted Envelope Difference Index (cEDI): a proposed technique for quantifying envelope distortion" *Journal of Speech, Language, and Hearing Research*. 55(6): 1802-6. PMID: 22411284.
17. Gallun, F.J., Diedesch, A.C., Kubli, L., Walden, T., Folmer, R.L., Lewis, M.S., McDermott, D.J., Fausti, S., Leek, M.R. (2012). "Performance on tests of central auditory processing by individuals exposed to high-intensity blasts" *Journal of Rehabilitation Research and Development*. 49(7), 1005-1024. PMID: 23341276
18. Gallun, F.J., Lewis, M.S., Folmer, R.L., Diedesch, A.C., Kubli, L.R., McDermott, D.J., Walden, T.C., Fausti, S.A., Lew, H.L., Leek, M.R. (2012). "Implications of blast exposure for central auditory function: A review" *Journal of Rehabilitation Research and Development*. 49(7), 1059-1074. PMID: 23341279
19. Billings, C., Papesh, M., Penman, T., Baltzell, L., Gallun, F.J. (2012) "Clinical use of aided cortical auditory evoked potentials as a measure of physiological detection or physiological discrimination" *International Journal of Otolaryngology*, Volume 12, Article ID 365752. PMID: 3472537
20. Gallun, F.J., Diedesch, A.C., Beasley, R. (2012). "Impacts of age on memory for auditory intensity" *Journal of the Acoustical Society of America*.132(2): 944-956. PMID: 22894216.
21. Souza, P.E., Hoover, E., Gallun, F.J. (2012). "Application of the Envelope Difference Index to spectrally-sparse speech" *Journal of Speech, Language, and Hearing Research*. 55(3): 824-837. PMID: 22232401.
22. Folmer, R.L., Billings, C.J., Diedesch-Rouse, A.C., Gallun, F.J., Lew, H.L. (2011) "Electrophysiological assessments of cognition and sensory processing in TBI: Applications for diagnosis, prognosis and rehabilitation" *International Journal of Psychophysiology*, 82(1), 4-15. PMID: 21419179.
23. Reavis K.M., McMillan G., Austin D., Gallun F., Fausti S.F., Gordon J.S., Helt W., Konrad-Martin, D. (2011) "Distortion-product otoacoustic emission test performance for ototoxicity monitoring" *Ear and Hearing*, 32(1), 61-74. PMID: 20625302.
24. Dille, M., Konrad-Martin, D., Gallun, F.J., Helt, W., Gordon, J., Reavis, K., Bratt, G., Fausti, S. (2010) "Tinnitus onset rates from chemotherapeutic agents and ototoxic antibiotics: Results of a large prospective study" *Journal of the American Academy of Audiology*. 21(6): 409-17. PMID: 20701838.
25. Lewis, M.S., Gallun, F.J., Gordon, J., Lilly, D.J., Crandell, C. (2010) "A pilot investigation regarding speech-recognition performance in noise for adults with hearing loss in the FM+HA listening condition" *Volta Review*. 110(1): 31-54.

26. Gallun, F.J. (2010). "Judgments of intensity for brief sequences" *Journal of the Acoustical Society of America*. 127: EL166-171. PMID:PMC2856176
27. Best, V., Gallun, F.J., Mason, C.M., Kidd, G., Jr., and Shinn-Cunningham, B.G. (2010) "The impact of noise and hearing loss on the processing of simultaneous sentences." *Ear and Hearing*, 31(2), 213-220. PMID: PMC2836417
28. Souza, P and Gallun, F.J. (2010). "Amplification and consonant modulation spectra." *Ear and Hearing*, 31(2), 268-276. PMID: PMC2859440
29. Myers, P.J., Wilmington, D.J., Gallun, F.J., Henry, J.A. (2009) "Hearing impairment and traumatic brain injury among soldiers: Special considerations for the audiologist." *Seminars in Hearing*. 30(1).
30. Dent, M., McClaine, E., Best, V., Ozmeral, E., Narayan, R., Gallun, F.J., Sen, K., and Shinn-Cunningham, B.G. (2009) "Spatial Unmasking of Birdsong in Zebra Finches (*Taeniopygia guttata*) and Budgerigars (*Melopsittacus undulatus*)" *Journal of Comparative Psychology*, 123(4), 357-367. PMID: PMC2784650
31. Fausti, S.A., Wilmington, D.J., Gallun, F.J., Myers, P.J., Henry, J.A. (2009) "Auditory Dysfunction Associated with Traumatic Brain Injury". *Journal of Rehabilitation Research and Development*. 46(6), 797-810. PMID: 20104403
32. Kidd, G. Jr., Richards, V., Mason, C.R., Gallun, F.J., and Huang, R. (2008) "Informational masking increases the costs of monitoring multiple channels" *Journal of the Acoustical Society of America*. 124(4), EL223-EL229. PMID: PMC2677339
33. Gallun, F.J. and Souza, P. (2008) "Exploring the role of the modulation spectrum in phoneme recognition" *Ear and Hearing*, 29(5), 800-813. PMID: PMC2663519
34. Gallun, F.J., Durlach, N.I., Colburn, H.S., Shinn-Cunningham, B., Best, V., Mason, C.R. and Kidd, G., Jr. (2008) "The extent to which a position-based explanation accounts for binaural release from informational masking" *Journal of the Acoustical Society of America*. 124, 439-449. PMID: PMC2587211
35. Gallun, F. J., Mason, C.R. and Kidd, G., Jr. (2007) "The ability to listen with independent ears" *J. Acoust. Soc. Am.* 122, 2814-2825. PMID: 18189571.
36. Durlach, N.I. and Gallun, F.J. (2007) "Theory construction in auditory perception: Need for development of teaching materials" *Journal of the Acoustical Society of America*. 122(2), 1014-1016. PMID: 17672649.
37. Gallun, F. J., Mason, C.R. and Kidd, G., Jr. (2007) "Task-dependent costs in processing two simultaneous auditory stimuli" *Perception and Psychophysics*. 69(5), 757-771. PMID: 17929698.
38. Best, V., Gallun, F. J., Carlile, S. and Shinn-Cunningham, B. G. (2007). "Binaural interference and auditory grouping," *Journal of the Acoustical Society of America*. 121(2), 1070-1076. PMID: 17348529.
39. Best, V., Gallun, F. J., Ihlefeld, A., and Shinn-Cunningham, B. G. (2006). "The influence of spatial separation on divided listening," *Journal of the Acoustical Society of America*. 120(3), 1506-1516. PMID: 17004472.
40. Plack, C. J, Gallun, F. J., Hafter, E. R., Raimond, A. (2006) "The detection of increments and decrements is not facilitated by abrupt onsets or offsets" *Journal of the Acoustical Society of America*. 119(6), 3950-3959. PMID: 16838538.
41. Gallun, F. J. and Hafter, E. R. (2006) "Amplitude modulation as a mechanism for increment detection" *Journal of the Acoustical Society of America*. 119(6), 3919-3930. PMID: 16838535.
42. Kidd, G., Jr., Arbogast, T. M., Mason, C. R. and Gallun, F. J. (2005) "The advantage of knowing where to listen" *Journal of the Acoustical Society of America*. 118(6), 3804-3816. PMID: 16419825.
43. Best, V., Ozmeral, E., Gallun, F.J., Sen, K. and Shinn-Cunningham, B.G. (2005) "Spatial unmasking of birdsong in human listeners: Energetic and informational factors" *Journal of the Acoustical Society of America*. 118(6), 3766-3773. PMID: 16419821.
44. Durlach, N.I., Mason, C. R., Gallun, F. J., Shinn-Cunningham, B., Colburn, H.S. and Kidd, G., Jr. (2005) "Informational masking for simultaneous nonspeech stimuli: Psychometric functions for fixed and randomly mixed maskers" *Journal of the Acoustical Society of America*. 118(4), 2482-2497. PMID: 16266169.

45. Gallun, F. J., Mason, C. R. and Kidd, G., Jr. (2005) “Binaural release from informational masking in a speech identification task,” *Journal of the Acoustical Society of America*. 118(3), 1614-1625. PMID: 16240821.
46. Kidd, G., Jr., Mason, C. R. and Gallun, F. J. (2005) “Combining energetic and informational masking for speech identification,” *Journal of the Acoustical Society of America*., 118(2), 982-992. PMID: 16158654.
47. Bonnel, A., Mottron, L., Peretz, I., Trudel, M., Gallun, E. and Bonnel, A.-M. (2003) “Enhanced pitch sensitivity in individuals with autism: a signal detection analysis” *Journal of Cognitive Neuroscience* 15(2). PMID: 12676060.
48. Gallun, E. and Reisberg, D. (1995) “The role of expectation in attending to interleaved melodies,” *Music Perception*. 13(4).

Book Chapters, Published Conference Proceedings, Guest Editorials, and Educational Materials

1. Best, V., Mason, C.R., Swaminathan, J., Kidd, Jr., G., Jakien, K., Kampel, S., Gallun, F.J., Buchholz, J., Glyde, H. (in press) “On the contribution of target audibility to performance in spatialized speech mixtures” Proceedings of the International Symposium on Hearing (edited)
2. Jakien, K.M., Gallun, F.J. (2015) “Evaluating Central Auditory Processing: The (Sound) Wave of the Future?” *Canadian Audiologist*. 2(2).
3. Papesh, M.A and Gallun, F.J. (2015) “Auditory impacts of blast exposure” *Pathways*, edited by F. Musiek. <http://hearinghealthmatters.org/pathways/2015/auditory-impacts-blast-exposure>
4. Hoover, E., Souza, P.E., Gallun, F.J. (2014). “Relationship between amplitude modulation in psychophysical tasks and speech in listeners with normal and impaired hearing” *Proceedings of Meetings on Acoustics*, Vol. 12, 050009.
5. Gallun, F.J., Diedesch, A.C. (2013) “Exploring the factors predictive of informational masking in a speech recognition task” Acoustical Society of America /Canadian Acoustical Association/ International Congress on Acoustics 2013, Montreal, CA, *Proceedings of Meetings on Acoustics*, Vol. 19, 060145.
6. Stecker, G.C., Gallun, F.J. (2012) “Binaural hearing, sound localization, and spatial hearing” in *Translational Perspectives in Auditory Neuroscience: Normal Aspects of Hearing*, edited by K. Tremblay and R. Burkhardt. Plural Publishing, Inc., San Diego.
7. Gallun, F.J., Saunders, G.H. (2010) “The ear-brain system: Approaches to the study and treatment of hearing loss” *Journal of the American Academy of Audiology*, 21(9): 564-66.
8. Wilmington, D.J., Lewis, M.S., Myers, P.J., Gallun, F.J., Fausti, S.A. (2009) “Hearing impairment among soldiers: Special considerations for amputees” in *Care of the Combat Amputee*, edited by P.F. Pasquina, and R.A. Cooper. Borden Institute, Walter Reed Army Medical Center, Washington, DC. 381-398.
9. Gallun, F.J., Diedesch, A., Engelking, E. (2009) “The impacts of age and absolute threshold on binaural lateralization” Acoustical Society of America, Portland, OR, *Proceedings of Meetings on Acoustics*, Vol. 6, 050005.
10. Kidd, G., Jr., Mason, C. R., Richards, V. M., Gallun, F.J., and Durlach, N.I. (2008). “Informational Masking,” in *Auditory Perception of Sound Sources*, edited by W. A. Yost, A. N. Popper, and R. R. Fay. Springer Science+Business Media, New York. 143-190.
11. Gallun, F.J. , Saunders, G.H. (2008) “How Does the Brain Help Us Hear?” Patient education brochure (PFEM #1067), National Center for Rehabilitative Auditory Research, Portland VA Medical Center.
12. Shinn-Cunningham, B.G., Best, V., Dent, M.L., Gallun, F.J., McClaine, E.M., Narayan, R., Ozmeral, E., Sen, K. (2006) “Behavioral and neural identification of birdsong under several masking conditions” in *Hearing – From Sensory Processing to Perception*, edited by B. Kollmeier, G. Klump, V. Hohmann, U. Langemann, M. Mauermann, S. Uppenkamp, J. Verhey. Springer Verlag, Berlin. 207-214.
13. Gallun, E., Hafter, E., Bonnel, A.-M. (2005) “Modeling the role of duration in intensity increment detection” in *Auditory Signal Processing: Physiology, Psychoacoustics, and Models*, edited by D. Pressnitzer, A. de Cheveigne, S. McAdams, L. Collet, L. Springer-Verlag, New York. 221-229.
14. Durlach, N., Colburn, S., Kidd, G., Mason, C., Shinn-Cunningham, B., Arbogast, T., Devore, S., Gallun, E., Zurek, P., Desloge, J. (2005) “Source Separation, Localization, and Comprehension in Humans, Machines, and Human-machine Systems” in *Speech Separation By Humans and Machines*, edited by P.

Divenyi. Kluwer Academic, Boston, MA. 221-243.

15. Hafter, E.R., Bonnel, A.-M., Gallun, E., Cohen, E. (1998). "A role for memory in divided attention between two independent stimuli" in *Psychophysical and Physiological Advances in Hearing*, edited by A.R. Palmer, A. Rees, A.Q. Summerfield, R. Meddis, R. Whurr, London. 228-238.

Invited International Presentations

1. Gallun, F.J. (2015) "Learning from nature's experiments: What clinical research can mean for sensory scientists", *2nd Annual Workshop on Cognitive Neuroscience of Auditory and Cross-modal Perception*, P.J. Šafárik University, Košice, Slovakia
2. Gallun, F.J. (2015) "Auditory processing after mild traumatic brain injury: New findings and next steps", *2nd Annual Workshop on Cognitive Neuroscience of Auditory and Cross-modal Perception*, P.J. Šafárik University, Košice, Slovakia
3. Gallun, F.J. (2014) "Assessing the impacts of age, hearing loss, and brain injury on Central Auditory Function" *Canadian Academy of Audiology Annual Conference*, Whistler, BC, Canada
4. Gallun, F.J. (2014) "Characterizing attentional resources using the auditory dual-task", *Workshop on Cognitive Neuroscience of Auditory and Cross-modal Perception*, P.J. Šafárik University, Košice, Slovakia
5. Gallun, F.J. (2014) "Impacts of age and hearing loss on spatial release from masking", *Workshop on Cognitive Neuroscience of Auditory and Cross-modal Perception*, P.J. Šafárik University, Košice, Slovakia
6. Gallun, F.J. (2014) "Evidence for impacts of blast exposure on central auditory function" *Invited Seminar*, UCL Ear Institute, London, UK
7. Gallun, F.J., Diedesch, A.C. (2013) "Exploring the factors predictive of informational masking in a speech recognition task" *Acoustical Society of America/Canadian Acoustical Association/International Congress on Acoustics 2013*, Montreal, CA
8. Gallun, F.J. (2004) "Release from informational masking in a speech recognition task" *Montreal Speech Conference*, Montreal, CA

Invited Presentations At National Conferences and Workshops

1. Gallun, F.J. (2015) "Assessing binaural benefit in older listeners" *6th Aging and Speech Communication Research Conference*, Bloomington, Indiana.
1. Gallun, F. J. (2015). "Auditory processing abilities of Veterans exposed to high-intensity blasts" *2015 Traumatic Brain Injury Workshop*, Boston University, Boston, MA
2. Gallun, F. J. (2015). "Validating auditory complaints of blast-exposed Veterans" *VA State of the Art Workshop on Traumatic Brain Injury 2015*, Washington, DC
3. Gallun, F. J. (2015). "Auditory processing dysfunction associated with mild traumatic brain injury and blast exposure" *AudiologyNOW 2015*, San Antonio, TX
4. Gallun, F. J. (2015). "Current Research on Central Auditory Function at the NCRAR" *American Auditory Society*. Scottsdale, AZ.
5. Papesh, M.A., Gallun, F.J., Folmer, R., Hutter, M., Lewis, M.S., Belding, H., Leek, M.R. (2014) "Effects of blast exposure on auditory processing", *168th Meeting of the Acoustical Society of America*, Indianapolis, IN
6. Srinivasan, N.K., Gallun, F.J., Kampel, S.D., Jakien, K.M., Gordon, S., Stansell, M. "Release from masking in simulated reverberant environments" *168th Meeting of the Acoustical Society of America*, Indianapolis, IN
7. Gallun, F.J. (2014) "Assessing Central Auditory Function in Veterans Exposed to High-Intensity Blasts" *UCR-VA workshop: Auditory Processing in Veterans*, Riverside, CA
8. Gallun, F.J. (2014) "Central Auditory Processing following blast exposure in a Veteran population: Behavioral and electrophysiological evidence", *32nd Annual Symposium of the National Neurotrauma Society*, San Francisco, CA
9. Gallun, F.J. (2014) "Psychological and Physiological Acoustics: Investigating the auditory system and its responses to sound" *167th Meeting of the Acoustical Society of America*, Providence, RI
10. Gallun, F.J. (2014) "A tutorial on psychoacoustical approaches relevant to listening in rooms" *167th*

Meeting of the Acoustical Society of America, Providence, RI

11. Gallun, F.J., Hutter, M., Belding, H. (2014) “Long-term effects of blast exposure on central auditory processing”. *AudiologyNow! 2014*, Orlando, FL.
12. Gallun, F.J. (2014) “Evidence for impacts of blast exposure on central auditory function”. *CAPD Global Conference 2014*, Orlando, FL.
13. Gallun, F.J., Bonnel, A-M., Hafter, E.R. (2013) “Division of processing resources in auditory judgments”, *166th Meeting of the Acoustical Society of America*, San Francisco, CA
14. Gallun, F.J. (2013) “Peripheral and central auditory dysfunction: Impacts on the ability to communicate in complex auditory environments”, *2013 Fall Conference of the Oregon Academy of Audiology*, Lake Oswego, OR
15. Gallun, F.J., Diedesch, A.C. (2011) “Predicting performance in a multitalker environment” *Heuser Hearing Institute Symposium 2011 – Spatial Hearing and Hearing Loss*, Louisville, KY.
16. Gallun, F.J., Diedesch, A.C. (2010) “Evaluating central auditory processing after blast exposure” *2010 Spring Conference of the Oregon Academy of Audiology*, Lake Oswego, OR
17. Gallun, F.J., Diedesch, A.C. (2010) “Auditory processing and blast injury” NCRAR Seminar Series
18. Fausti, S., Saunders, G., Gallun, F.J. (2009) *National VHA/DOD Conference: Sensory Impairment Issues in Traumatic Brain Injury*, Chicago, IL
19. Gallun, F.J. (2009) “Relating blast exposure to central auditory dysfunction” *NCRAR 2009 Biennial Conference: The Ear-Brain System*, Portland, OR
20. Gallun, F.J., Fausti, S.A., Leek, M.R. (2008) “Auditory Processing Dysfunction Related to Traumatic Brain Injury in the Veteran Population” *8th Annual Meeting of the Association of VA Audiologists*, Charlotte, NC.
21. Gallun, F.J. (2007) “Hearing Loss and Informational Masking”, *Aging and Speech Conference*, Indiana University, Bloomington, IN
22. Gallun F.J., Leek M.L. (2007) “Effects of blast trauma on the auditory system” *DoD Tri-Service Hearing Conservation Working Group Meeting*, Portland, Oregon.
23. Gallun F.J., Fausti S.A., Leek M.L. (2007) “Current directions in research at the NCRAR” *DoD Auditory Research Working Group*, Groton, Connecticut.
24. Gallun, F.J. (2006) “Central auditory processing deficits and polytrauma” *Dartmouth Polytrauma Conference*, Dartmouth College, Hanover, NH

Invited Seminar Presentations

1. Gallun, F. J. (2015). Assessing auditory processing abilities in blast-exposed Veterans. *AudiologyOnline*. <http://www.audiologyonline.com/audiology-ceus/course/assessing-effects-blast-exposure-and-26974>
2. Gallun, F. J. (2015). Central Auditory Dysfunction Associated with Blast Exposure. Walter Reed National Military Medical Center, Bethesda, MD.
3. Gallun, F. J. (2015). Evaluating Central Auditory Function in Veterans with a History of Blast Exposure. *Towson University Medical Audiology Research Symposium*. Towson, MD.
4. Gallun, F.J. (2014) “Diagnosing central auditory dysfunction in an adult population”, *UCI Center for Hearing Research Seminar Series*, Univ. California, Irvine, CA
5. Gallun, F.J. (2014) “Assessing the impacts of age and brain injury on central auditory processing”, *NCRAR Seminar Series*, VA Portland Health Care System, Portland, OR
6. Gallun, F.J. (2014) “Assessing Central Auditory Function in Veterans Exposed to High-Intensity Blasts”, Loma Linda VA, Loma Linda, CA
7. Molis, M.R. and Gallun, F.J. (2014) “Measuring and modeling spectral change sensitivity in listeners with impaired hearing” *Linguistics Dept. Colloquium*, Univ. Texas at Austin, Austin, TX.
8. Gallun, F.J. (2013) “Blast Exposure and central auditory processing”, Univ. of Massachusetts, Amherst, MA .

9. Gallun, F.J., Dieidesch, A.C. (2012) "Impacts of age, hearing loss, and traumatic brain injury on spatial and binaural hearing" *Boston University Hearing Science Seminar*, Boston, MA
10. Gallun, F.J. (2012) "Assessing central auditory function in a Veteran population" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA
11. Gallun, F.J. (2011) "Aging, Hearing Loss, and Perception of Speech in Multitalker Environments" Boston University, Boston, MA .
12. Gallun, F.J. (2009) "Relating amplitude modulation sensitivity to speech perception" Starkey Hearing Center, Berkeley, CA
13. Gallun, F.J. (2009) "Impacts of age and hearing loss on auditory discrimination" Smith-Kettlewell Institute, San Francisco, CA
14. Gallun, F.J. (2009) "Temporal and binaural processing in older and hearing impaired listeners" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA
15. Gallun, F.J. (2008) "The effect of hearing aid compression on the modulation characteristics of speech" Boystown National Research Hospital, Omaha, NE
16. Gallun, F.J. (2008) "Amplitude modulation sensitivity as a mechanism for speech perception". *Boston University Hearing Science Seminar*, Boston, MA
17. Gallun, F.J. (2007) "Communication in complex environments" *Speech Pathology and Hearing Science Colloquium*, University of Washington, Seattle, WA
18. Gallun, F.J. (2005) "Some non-peripheral aspects of auditory masking" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA
19. Gallun, F.J. (2003) "Modeling intensity comparisons with a modulation filter bank" *Boston University Hearing Science Seminar*, Boston, MA
20. Gallun, F.J. (2003) "The relation between increment thresholds and amplitude modulation" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA
21. Gallun, F.J. (2002) "Sensitivity to amplitude change" *Boston University Hearing Science Seminar*, Boston, MA
22. Gallun, F.J. (2001) "Detection of intensity change" Univ. Michigan, Ann Arbor, MI
23. Gallun, F.J. (2000), "Reflections on auditory attention" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA
24. Gallun, F.J. (1998), "Attending to dynamic stimuli" *Stanford Hearing Seminar*, Palo Alto, CA
25. Gallun, F.J. (1996), "Detections based on long term memory or short" *Hearing Science Seminar ("Ear Club")*, University of California, Berkeley, Berkeley, CA

Submitted Presentations with Published Abstracts

1. Gallun, F. J., (2015). "Learning from Nature's Experiments: How studying impaired systems can shed light on normal function". *Proceedings of the 20th Meeting of CSAIL*, Hood River, OR
2. Srinivasan, N. K., Gallun, F. J., Kappel, S. D., Jakien, K. M., Gordon, S., Stansell, M., (2015). "Relationships among age, hearing loss, and working memory on spatial release from masking". *Proceedings of the 20th Meeting of CSAIL*, Hood River, OR
3. Gallun, F. J., Folmer, R. L., Papesh, M. A., Lewis, M. S., Hutter, M., Belding, H., & Leek, M. R. (2015). "Behavioral and Electrophysiological Evidence of Central Auditory Processing Deficits in Blast-Exposed Veterans". *Association for Research in Otolaryngology*, Baltimore, MD.
4. Molis, M.R., Gallun, F.J. Srinivasan, N.K. (2014) "Perceptual versus cognitive speed in a time-compressed speech task" *168th Meeting of the Acoustical Society of America*, Indianapolis, IN
5. Molis, M.R., Gilbert, R., Gallun, F.J. (2014) "Establishing a clinical measure of spectral-ripple discrimination" *167th Meeting of the Acoustical Society of America*, Providence, RI
6. Hoover, E., Souza, P.E., Gallun, F.J. (2014) "Degraded temporal processing after traumatic brain injury" *167th Meeting of the Acoustical Society of America*, Providence, RI
7. Gordon, S., Ellingson, R., Browning, D., Janish, R., Gallun, F.J. (2014) "Future directions in psychoacoustic research facilities" *167th Meeting of the Acoustical Society of America*, Providence, RI

8. Srinivasan, N.K., Gallun, F.J., Reinhart, P.N., Souza, P.E. (2014) "Combined effects of amplitude compression and reverberation on speech modulations" *167th Meeting of the Acoustical Society of America*, Providence, RI
9. Papesh, M., Gallun, F.J., Folmer, R., Hutter, M., Grush, L., Lewis, M.S., Leek, M.R. (2014) "Central auditory processing following blast exposure", *Assoc. Res. Otolaryngol.* Abs.: PD518.
10. Leek, M., Gallun, F. J., Molis, M., & Belding, H. M. (2014). "Dynamic versus static spectral cues to identification of IRN-vocoded concurrent sentences". *Assoc. Res. Otolaryngol.* Abs.: PS092
11. Gallun, F.J., Kempel, S.D., Blankenship, S., Leek, M.R. (2013) "High frequency audibility and spatial release from informational masking" *Assoc. Res. Otolaryngol.* Abs.: 848.
12. Baltzell, L., Billings, C., Gallun, F.J. (2013) "Human cortical auditory evoked offset and onset response sensitivity to signals in noise" *Assoc. Res. Otolaryngol.* Abs.: 379.
13. Leek, M.R., Gallun, F.J., Molis, M.R, Belding, H.M. (2013) "Concurrent speech segregation based on the pitch strength of iterated rippled noise" *Assoc. Res. Otolaryngol.* Abs.: 604.
14. Gallun, F.J., Konrad-Martin, D.L., Molis, M.R., Dann, S., Kampe, S.D., Vachhani, J.J. (2012) "Relationships among aging and temporal sensitivity at multiple time scales" *Assoc. Res. Otolaryngol.* Abs.: 635.
15. Jacobs, P.G., Wan, E.A., Gallun, F.J., McDermott, D., Konrad-Martin, D. (2012) "Attention and the effect of active listening on the medial olivocochlear reflex" *Assoc. Res. Otolaryngol.* Abs.: 401.
16. Gallun, F.J., Diedesch, A.C. (2011) "Distinguishing the effects of central and peripheral auditory dysfunction" *Proceedings of the 17th Meeting of CSAIL.*
17. Hoover, E., Souza, P., Gallun, F. (2011) "Relationship between amplitude modulation in psychophysical tasks and speech in listeners with normal and impaired hearing" *J. Acoust. Soc. Am.*, 129: 2655.
18. Gallun, F.J., Diedesch, A. (2011) "Predicting spatial benefit in older listeners" *Assoc. Res. Otolaryngol.* Abs.: 1034.
19. Gallun, F.J., Souza, P.E., Hoover, E. (2010) "Evaluating hearing aid processing with an auditory model of modulation sensitivity." *J. Acoust. Soc. Am.*, 127: 1848.
20. Summers, V., Bernstein, J.G.W., Makashay, M., Mehraei, G., Melamed, S., Leek, M.R., Gallun, F.J., Molis, M. (2010) "Suprathreshold auditory processing and speech recognition in noise for hearing-impaired listeners." *J. Acoust. Soc. Am.*, 127: 1903.
21. Gallun, F.J., Diedesch, A., Beasley, R., Tsukuda, P. (2010) "Influences of aging on memory for intensity" *Assoc. Res. Otolaryngol.* Abs.: 883.
22. Rajaram, S., Kurkcy, N., Gallun, F.J., Best, V., Shinn-Cunningham, B.G. (2010) "How object formation can influence speech perception" *Assoc. Res. Otolaryngol.* Abs.: 873.
23. Gallun, F.J., Diedesch, A., Engelking, E. (2009) "Effects of aging and hearing loss on monaural and binaural auditory discrimination" *Proceedings of the 15th Meeting of CSAIL.*
24. Gallun, F.J., Diedesch, A., Engelking, E. (2009) "The impacts of age and absolute threshold on binaural lateralization" . " *J. Acoust. Soc. Am.*, 125: 2722.
25. Souza, P., Gallun, F.J., Hoover, E. (2009) "A comparison of modulation indices for describing amplitude-compressed speech." *J. Acoust. Soc. Am.*, 125: 2527.
26. Leek, M.R., Melamed, S., Molis, M.R., Gallun, F.J. (2009) "The perceptual tone-noise ratio of iterated rippled noise in listeners with hearing loss." *J. Acoust. Soc. Am.*, 125: 2634.
27. Gallun, F., Dille, M., Diedesch, A., Billings, C. (2009) "Human Auditory Memory for Intensity" *Assoc. Res. Otolaryngol.* Abs.: 215
28. Mehraei, G., Melamed, S., Gallun, F., Leek, M., Shamma, S., Bernstein, J. (2009) "Spectrotemporal Modulation Sensitivity in Hearing-impaired Listeners" *Assoc. Res. Otolaryngol.* Abs.: 683
29. Gallun, F.J. (2008) "Rapid processing of brief non-speech auditory stimuli" *Proceedings of the 14th Meeting of CSAIL.* Hood River, OR.

30. Gallun, F.J., Melamed, S., Molis, M., Leek, M.R., Summers, W.V, Makashay, M. (2008) "Towards the clinical applicability of temporal masking procedures" Assoc. Res. Otolaryngol. Abs.: 939.
31. Gallun, F.J. (2007) "On the limits of selective and divided auditory attention", Proceedings of the 13th Meeting of CSAIL. Hood River, OR.
32. Dent, M., McClaine, E., Shinn-Cunningham, B., Best, V., Ozmeral, E., Narayan, R., Gallun, F., and Sen, K.(2007) "Spatial Unmasking of Birdsong by Budgerigars and Zebra Finches" Assoc. Res. Otolaryngol. Abs.: 909.
33. Best, V., Stupin, L., Gallun, F., Carlile, S., Shinn-Cunningham, B.G. (2007) "Sequential Grouping Influences Binaural Interference" Assoc. Res. Otolaryngol. Abs.: 902.
34. Gallun, F.J., Durlach, N.I., Colburn, H.S., Shinn-Cunningham, B.G., Best, V., Ihlefeld, A., Mason, C.R., Kidd, G., Jr. (2007) "Binaural Release from Masking for a Tone in Noise and in Multitone Maskers" Assoc. Res. Otolaryngol. Abs.: 437.
35. Gallun, F. J., Mason, C. R., Kidd, G., Jr. (2006) "Informational masking: Effects of similarity and uncertainty for detection of a high-frequency amplitude-modulated tone" J. Acoust. Soc. Am., 119: 3236
36. Gallun, F.J. (2006) "Auditory attention: One term for several concepts?" J. Acoust. Soc. Am., 119: 3415
37. Dent, M., McClaine, E., Shinn-Cunningham, B., Best, V., Ozmeral, E., Gallun, F., Sen, K., Narayan, R. (2006) "An avian cocktail party: Masking and unmasking in birds" J. Acoust. Soc. Am., 120: 3152
38. Kidd, G. Jr., Richards, V., Mason, C. R., Gallun, F. J., Huang, R. (2006) " Simultaneous Two-Channel Signal Detection, Revisited" Assoc. Res. Otolaryngol. Abs.: 958.
39. Gallun, F. J., Mason, C. R., Kidd, G., Jr. (2006) "Contralateral Masking of Narrow Bands of Speech" Assoc. Res. Otolaryngol. Abs.: 558.
40. Best, V., Bengani, P., Gallun, F. J., Shinn-Cunningham, B.G. (2006) "The Cost of Dividing Auditory Attention Between Two Spatial Locations" Assoc. Res. Otolaryngol. Abs.: 403.
41. Kidd, G., Jr., Arbogast, T. M., Mason, C. R., Gallun, F. J. (2005) "The advantage of knowing where to listen" J. Acoust. Soc. Am., 117 (4)
42. Gallun, F. J., Mason, C. R., Kidd, G., Jr. (2005b) "Processing two sources simultaneously: Switching or sharing?" J. Acoust. Soc. Am., 117 (4)
43. Gallun, F. J., Mason, C. R., Kidd, G., Jr. (2005a) "Human perception of simultaneous dichotic speech streams" Assoc. Res. Otolaryngol.Abs.: 419.
44. Ozmeral, E., Best, V., Gallun, F.J., Sen, K., Shinn-Cunningham, B.G. (2005) "Identifying a bird in a chorus: How target and masker statistics influence spatial unmasking" Assoc. Res. Otolaryngol.Abs.: 957.
45. Gallun, F. J., Mason, C. R., Kidd, G., Jr. (2004) "Binaural release from informational masking: Results from a speech identification task" J. Acoust. Soc. Am., 115 (5),
46. Kidd, G., Mason, C.R., Gallun, F.J. (2004) "Nonadditivity of Energetic and Informational Masking II: Results from a Speech Identification Task" Assoc. Res. Otolaryngol.Abs.
47. Gallun, E., Hafter, E.R., Bonnel, A.-M. (2003) "The Role of the Envelope in the Detection of Intensity Increments," Assoc. Res. Otolaryngol. Abs.: 151
48. Gallun, E., Hafter, E.R., Bonnel, A.-M. (2002) "Sensitivity to changes in amplitude envelope," J. Acoust. Soc. Am., 111 (5)
49. Hafter, E.R., Gallun, E., Bonnel, A-M, Edwards, B., Viemeister, N. (2001) "Unsigned coding of stimulus change," J. Acoust. Soc. Am., 109 (5)
50. Gallun, E., Hafter, E., Bonnel, A.-M. (2001) " Divided attention to dichotic auditory stimuli." Assoc. Res. Otolaryngol. Abs.: 20960.
51. Bonnel, A-M., Hafter, E. R., Gallun, E. (2000) "The role of "trace" and "context" memories in shared attention," Int. J. Psych., 35 (3-4)

52. Hafter, E., Bonnel, A.M., Gallun, E. (1999) "Sharing attention and the kind of memory to which stimuli are compared." Proceedings of the 4th Meeting of CSAIL.
53. Hafter, E.R., Bonnel, A-M, Gallun, E. (1998) "Shared attention to simultaneous stimulation," J. Acoust. Soc. Am., 103 (5)
54. Gallun, E., Hafter, E., Bonnel, A.-M. (1998) "The role of memory in the dual-task: Evidence from a frequency/amplitude judgment", J. Acoust. Soc. Am. 103 (5)
55. Hafter, E., Bonnel, A.-M., Gallun, E., (1998) "Detection of change in an auditory stimulus: Psychophysical evidence for a central mechanism." Assoc. Res. Otolaryngol. Abs.: 804.
56. Hafter, E.R., Bonnel, A-M., Gallun, F. (1996) "Detection of change without regard to its valence," J. Acoust. Soc. Am., 98.
57. Gallun, E., Reisberg, D. (1995) "The role of expectation in attending to interleaved melodies." Proc. Soc. Music Perc. Cogn.

Submitted Presentations without Published Abstracts

2. Riggins A, Vachhani J, Theodoroff S, Ellinger R, Gallun F, Folmer RL. "Effects of Parkinson's Disease and Age on Auditory Processing." 6th Aging and Speech Communication Research Conference, Bloomington, Indiana, October 11-14, 2015.
3. Belding, H. M., Lewis, M. S., Hutter, M., Papesh, M. A., Folmer, R. L., Gallun, F. J., & Leek, M. R. (2015). "Using the SCAN-A to Identify CAP Deficits in Blast-Exposed Veterans". American Auditory Society, Scottsdale, AZ.
4. Jakien, K. M., Gallun, F. J., & Kampel, S. D. (2015). "Increased Sensation Level and Bandwidth on Spatial Release from Masking". American Auditory Society, Scottsdale, AZ.
5. Papesh, M. A., Gallun, F. J., Belding, H. M., Lewis, M. S., Folmer, R. L., & Leek, M. R. (2015). "Effects of High-intensity Blast Exposure on Speech Perception". American Auditory Society, Scottsdale, AZ.
6. Reinhart, P. N., Souza, P., Srinivasan, N. K., & Gallun, F. J. (2015). "Acoustic Modeling of Reverberant Speech Processed by Hearing Aids". American Auditory Society, Scottsdale, AZ.
7. Stansell, M. M., Papesh, M. A., Srinivasan, N. K., Kampel, S. D., Belding, H. M., Jakien, K. M., & Gallun, F. J. (2015). "The SSQ as a Predictor of Spatial Release from Masking". American Auditory Society, Scottsdale, AZ.
8. Srinivasan, N. K., Gallun, F.J. (2014) "Release from masking for small spatial separations", Boston University Binaural Symposium, Boston, MA .
9. Molis, M. R., Gallun, F. J., Dann, S. M., Kampel, S. D., Ghitza, O., & Konrad-Martin, D. (2014). "Relationship between temporal processing ability and performance on a time-compressed speech test in younger and older listeners". International Hearing Aid Conference, Lake Tahoe, CA.
10. Reinhart, P. N., Souza, P. E., Srinivasan, N. K., & Gallun, F. J. (2014). "The effects of WDRC and reverberation on syllable identification". International Hearing Aid Conference, Lake Tahoe, CA.
11. Srinivasan, N. K., Gallun, F. J., Kampel, S. D., Jakien, K. M., Gordon, S., & Stansell, M. (2014). "Release from masking for small spatial separations in older listeners". International Hearing Aid Conference, Lake Tahoe, CA.
12. Grush, L., Papesh, M., Folmer, R., Leek, M., Hutter, M., & Gallun, F. (2014). "Central Auditory Processing Deficits Associated with Blast Exposure: Electrophysiological Data". American Auditory Society Scottsdale, AZ.
13. Kampel, S. D., Gallun, F. J., Molis, M. R., Dann, S. M., Srinivasan, N. K., Gordon, S., Jakien, K. M., & Konrad-Martin, D. (2014). "Impacts of aging on the central auditory system ". American Auditory Society, Scottsdale, AZ.
14. Molis, M. R., Dann, S. M., Gallun, F. J., Kampel, S. D., & Konrad-Martin, D. (2014). "Effects of Aging and Hearing on a Time-Compressed Speech Test". American Auditory Society, Scottsdale, AZ.

15. Souza, P., Blackburn, M., Hoover, E., & Gallun, F. (2014). "Characterizing severe hearing loss". American Auditory Society, Scottsdale, AZ.
16. Srinivasan, N. K., Gallun, F. J., Kämpel, S. D., Gordon, S., & Jakien, K. M. (2014). "Spatial release from masking in reverberant environments for elderly listeners". American Auditory Society, Scottsdale, AZ.
17. Gallun, F.J. (2013) "Central auditory processing in blast-exposed Veterans: Behavioral and electrophysiological measures of sensitivity to binaural information", Boston University Binaural Symposium, Boston, MA .
18. Saunders, G., Gallun, F., Hutter, M., Lewis, M., Frederick, M., Arnold, M., Chisolm, T., Myers, P. and Leek, M. (2013) "Auditory Processing & Rehabilitation Following Blast Exposure & Mild Traumatic Brain Injury (mTBI)", American Speech Language and Hearing Association. Chicago, IL
19. Gallun, F.J., Pope, D.S., Kämpel, S.D. (2013) "Predicting speech intelligibility and recall of hospitalized patients exposed to hospital noise." Aging and Speech Communication Conference, Bloomington, IN
20. Dann, S.M., Gallun, F.J., McMillan, G.P., Kämpel, S.D., Molis, M.R., Konrad-Martin, D. (2013) "Comparison of unmasked and forward-masked CAP amplitudes provides evidence consistent with an age effect on low-spontaneous rate fibers in humans." Aging and Speech Communication Conference, Bloomington, IN
21. Kämpel, S.D., Molis, M.R., Gallun, F.J., Dann, S.M., McMillan, G.P., Konrad-Martin, D. (2013) "Effects of Hearing and Aging on Sentence-Level Time-Gated Word Recognition." Aging and Speech Communication Conference, Bloomington, IN
22. Grush, L., Papesh, M., Folmer, R., Leek, M., Hutter, M., Gallun, F. (2013) "Central auditory processing deficits associated with blast exposure: Electrophysiological responses" NCRAR Conference, Portland, OR
23. Hutter, M., Gallun, F.J., Leek, M.R., Lewis, M.S., Folmer, R.L., Belding, H.M., Hungerford, M., Papesh, M., Diedesch, A. (2013). "Central auditory processing deficits associated with blast exposure" American Academy of Audiology AudiologyNOW! Conference; 2013, April 2-6, Anaheim, CA.
24. Sabin, A., Nyatepe-Coo, F., Gallun, F.J., Souza, P.E. (2013) "Sensitivity to dynamic range compression in listeners with impaired hearing" American Auditory Society, Scottsdale, AZ.
25. Gallun, F.J., McMillan, G., Saunders, G. (2012) "A statistical modeling approach to characterizing sound localization on a horizontal plane" International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
26. Lewis, M.S., Gallun, F.J., Gordon, J., Shannon, J., Saunders, G. (2012) "Assessing the effect of different hearing-aid microphone polar patterns on speech intelligibility in noise" International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
27. Sabin, A.T., Souza, P., Gallun, F.J. (2012) "Sensitivity to dynamic range compression is predictable by distances between modulation spectra" International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
28. Bever, J., Diedesch, A.C., Lewis, M.S., Gallun, F.J. (2012) "Assessing benefit of pitch differences for hearing aid users in complex listening environments" American Academy of Audiology annual meeting AudiologyNOW!, Boston, MA.
29. Gallun, F.J., Hoover, E., Sabin, A., Souza, P. (2012) "Acoustical analyses of high-frequency modulation in vocoded speech" American Auditory Society, Scottsdale, AZ.
30. Bever, J., Diedesch, A.C., Lewis, M.S., Gallun, F.J. (2012) "Assessing binaural hearing aid perception and performance in complex listening environments" American Auditory Society, Scottsdale, AZ.
31. Kämpel, S., McMillan, G. P., Molis, M.R., Gallun, F.J., Dann, S., Ellingson, R., Vachhani, J., Konrad-Martin, D. (2012) "Developing a time-gated word test using Speech-Perception-in-Noise (SPIN) sentences" American Auditory Society, Scottsdale, AZ.

32. Hoover, E., Souza, P., Gallun, F.J. (2011) "A role for modulation sensitivity in age related declines in speech understanding?" Aging and Speech Conference, Bloomington, IN.
33. Bever, J., Diedesch, A. C., Lewis, M. S., Gallun, F. J. (2011) "Assessing hearing aid benefit in complex listening environments." NCRAR 2011 Conference, Portland, OR.
34. Vachhani, J., Dann, S., Gallun, F.J., Ellingson, R., McMillan, G. P., Konrad-Martin, D. (2011). "Comparison of click- and chirp-evoked auditory brainstem responses." American Auditory Society, Scottsdale, AZ.
35. Diedesch, A.C., Gallun, F.J. (2011) "Perception versus performance of binaural hearing capabilities." American Auditory Society, Scottsdale, AZ.
36. Hoover, E., Souza, P.E., Gallun, F.J., (2011) "Modulation frequency discrimination and high-rate modulations in spectrally reduced speech" American Auditory Society, Scottsdale, AZ.
37. Liimata, N., Dille, M., Gallun, F.J., Diedesch, A.C. (2011) "The effects of age on the auditory attentional blink" American Auditory Society, Scottsdale, AZ.
38. Pope D., Gallun F.J. (2010) "Speech intelligibility and cognition: Are inpatients impaired by noise?" American Academy on Communication in Healthcare, Scottsdale, AZ.
39. Gallun, F.J., Leek, M.R., Diedesch, A.C., Henry, J.A., Saunders, G.H., Fausti, S.A., Folmer, R.L. (2010) "Understanding and addressing the effects of blast exposure on the auditory system. Ongoing studies at the National Center for Rehabilitative Auditory Research." VA RR&D 2010 Centers of Excellence Directors' and Administrative Officers' Meeting, Pittsburgh, PA.
40. Saunders G.H., Fausti S.A., Folmer R.L., Gallun F.J., Henry J.A., Myers P.J., Leek M.R., Wilmington D.J. (2010) "Ongoing Research at the National Center for Rehabilitative Auditory Research: VA-DoD Collaborations and Other Studies." Joint Defense/Veterans Audiology Conference Orlando, FL.
41. Souza, P.E., Hoover, E., Gallun, F.J., Brennan, M. (2010) "Assessing envelope distortion in clinically-fit hearing aids." International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
42. Brennan, M., Gallun, F.J, Souza, P.E. (2010) "Using psychoacoustic thresholds to improve hearing aid fittings." International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
43. Carlson, J., Diedesch, A., Beasley, R., Tsukuda, P., Gallun, F.J. (2010) "Modeling the role of aging in binaural interference" American Auditory Society, Scottsdale, AZ.
44. Dann, S., Schwartz, K., Ellingson, R., McMillan, G., Gallun, F.J., Jacobs, P., Konrad-Martin, D. (2010) "Simultaneous tests of temporal acuity and across-frequency temporal integration in older listeners" American Auditory Society, Scottsdale, AZ.
45. Brennan, M., Souza, P., Gallun, F.J. (2010) "Do aided psychoacoustic thresholds predict speech recognition?" American Auditory Society, Scottsdale, AZ.
46. Gallun, F.J., Diedesch, A., Beasley, R., Tsukuda, P. (2009) "Binaural and monaural temporal integration with older ears" Aging and Speech Conference, Bloomington, IN.
47. Carlson, J., Diedesch, A., Beasley, R., Tsukuda, P., Gallun, F.J. (2009) "Binaural processing in younger and older listeners" NCRAR 2009 Biennial Conference, Portland, OR.
48. Dille, M., Diedesch, A., Billings, C., Fitzer, J., Gallun, F.J. (2009) "Electrophysiological measurements during rapid sound processing." NCRAR 2009 Conference, Portland, OR.
49. Brennan, M., Gallun, F.J., Souza, P.E. (2009) "Do Aided Amplitude Modulation Detection Thresholds Predict Aided Speech Recognition?" NCRAR 2009 Conference, Portland, OR.
50. Souza, P., Hoover, E., Gallun, F. (2009) "Consonant feature transmission in spectrally reduced and amplitude-compressed speech" American Auditory Society, Scottsdale, AZ.
51. Reavis, K, McMillan, G, Austin, D, Gallun, F, Fausti, S, Gordon, J, Helt, W, Konrad-Martin, D. (2009) "Evaluation of Distortion-Product Otoacoustic Emission Test Performance for Ototoxicity Monitoring" American Auditory Society, Scottsdale, AZ.
52. Konrad-Martin, D., Jacobs, P., Gallun, F., McDermott, D., Dann, S., Owens, K. (2009) "Cochlear Gain and Compression Estimates Using SFOAEs in Older Adults" Am. Auditory Society, Scottsdale, AZ.

53. Fitzer, J, Dille, M., Diedesch, A., Billings, C., Gallun, F. (2009) “Electrophysiological measurements of the auditory attentional blink” American Auditory Society, Scottsdale, AZ.
54. Souza, P., Gallun, F.J. (2008) “Effect of amplification on consonant modulation spectra” International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
55. Best, V., Gallun, F.J., Mason, C.R., Kidd, G., Jr., Shinn-Cunningham, B.G. (2008) “Hearing loss and divided listening” International Hearing Aid Research Conference, Lake Tahoe, CA.
56. Molis, M., Diedesch, A., Leek, M., Gallun, F.J. (2008) “Modeling the contributions of harmonic amplitude and phase contrast to improvements in vowel recognition by hearing-impaired listeners” International Hearing Aid Research Conference, Lake Tahoe, CA.
57. Gallun, F.J., Souza, P. (2008) “A model of consonant confusions based on envelope modulation similarity” American Auditory Society, Scottsdale, AZ
58. Hoover, E., Gallun, F.J., Souza, P. (2008) “Evaluating Strobed Temporal Integration as a model of temporal processing using spectrally reduced speech.” American Auditory Society, Scottsdale, AZ
59. Bonnel, A.C., Mottron, L., Peretz, I., Bonnel, A.M, Trudel, M., Gallun, E. (2001). “Enhanced auditory sensitivity in individuals with autism: a signal detection analysis,” Société Québécoise de Recherche en Psychologie, Chicoutimi.
60. Bonnel, A.C., Mottron, L., Peretz, I., Bonnel, A.M, Trudel, M., Gallun, E. (2001). “Auditory perception in high-functioning individuals with autism: a signal detection analysis,” International Meeting for Autism Research, San Diego, California.

Guest Lectures in Graduate and Undergraduate Classes

- “Central Auditory Function” Portland State University, Portland, OR, November, 2014
 “Binaural Hearing” Portland State University, Portland, OR, November, 2013
 “The Auditory System” Reed College, Portland, OR, March, 2012
 “The Auditory System” Portland State University, Portland, OR, February, 2012
 “Traumatic Brain Injury and Auditory Dysfunction” Northwestern University, Evanston, IL. April, 2011.
 “Speech Acoustics: Perception and Production” Boston University, Boston, MA. November, 2004.
 “Auditory Perception” Wheaton College, Norton, MA. March, 2004 and March, 2005.

Mentoring

Year(s) mentored

Postdocs

Melissa Papesh, AuD/PhD	2013-
Andrew Sabin, PhD	2012-2013
Nirmal Srinivasan, PhD	2013-

PhD and MPH Students

Marc Brennan, PhD		2008-2012
Anna Diedesch, AuD	(PhD in progress)	2008-2011, 2014-
Rachel Gilbert, PhD		2013
Eric Hoover, PhD (pending)		2007-2014
Daniel McCloy, PhD		2013
Kelly Reavis, MS, MPH		2008-2010
Zachary Schwartz, BA	(PhD in progress)	2014-
Daniela Saderi, BA	(PhD in progress)	2014-

AuD Students/Fellows

Sara Sell, AuD	2012
Jessica Bever, AuD	2011
Michael Blackburn, AuD	2013-2015
Jamie Carlson, AuD	2009-2010

Julia Fitzer, AuD	2008-2009
Leslie Grush, AuD	2013
Ashley Hughes, AuD	2013-2014
Jay Vacchani, AuD	2011-2012

Undergraduates and PostBac Students

Robertson Beasley, BA	2009-2010
Rachel Ellinger	2014-
Kasey Jakien, BA	2012-2013
Will Lasner, BA	2011
Mathew Marble, BA (PhD in progress)	2007-2008
Julianne Meyers, BA	2013
Jacob Nelken , BA	2012-2013
Rob Schwartz, BA	2011