

Colleen Garbe Le Prell**A. PERSONAL DATA**

Business address: Callier Center for Communication Disorders
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Citizenship: USA

B. EDUCATION

1995-1998 University of Michigan, Ann Arbor, Michigan; Ph.D. (Psychology)
1993-1995 University of Michigan, Ann Arbor, Michigan; M.A. (Psychology)
1989-1993 University of Minnesota, Morris, Minnesota; B.A., with Honors
(Psychology)

C. POSTDOCTORAL TRAINING

1998-2001 University of Michigan, Ann Arbor, Michigan (Department of Otolaryngology,
Kresge Hearing Research Institute)

D. PROFESSIONAL APPOINTMENTS

2021- Technical Advisory Board, Hearing Lab Technology/Lucid. Dallas, Texas
2020- (Inaugural) Chair, Department of Speech, Language and Hearing; University of
Texas at Dallas
2020 Area Head, Communication Science and Disorders; University of Texas at Dallas
2015- Adjunct Professor in Otolaryngology – Head and Neck Surgery, UTSouthwestern
Medical Center, Dallas, Texas
2015-2019 Program Head, Doctor of Audiology (AuD); University of Texas at Dallas
2015- Emilie and Phil Schepps Distinguished Professor of Hearing Science, University
of Texas at Dallas
2014-2015 Consultant to Gateway Therapeutics. St. Louis, MO. Key accomplishments
include developing successfully funded NIH Phase I SBIR (R43 DC009106, A
new two-drug combination therapy for noise-induced hearing loss)
2010-2013 Scientific Advisor, Hearing Health Sciences, Inc. Ann Arbor, Michigan
2009-2015 Affiliate Associate Professor, Department of Otolaryngology, College of Medicine,
University of Florida
2008-2015 Affiliate Associate Professor, Department of Rehabilitation Science, College of
Public Health and Health Professions, University of Florida
2007-2015 Director, The Hearing Research Center, University of Florida
2007-2015 Associate Professor, Department of Speech, Language, and Hearing Sciences
(formerly, Department of Communicative Disorders), College of Public Health
and Health Professions, University of Florida

- 2006-2010 Consultant to OtoMedicine, Inc. Ann Arbor, Michigan. Key accomplishments include developing successfully funded NIH SBIR proposals (Phase I: R43 DC008710; R43 DC009106; Phase II: R44 DC009106)
- 2001- 2007 Research Investigator, Kresge Hearing Research Institute, Department of Otolaryngology, University of Michigan

E. HONORS AND AWARDS

- 2022 Inducted into the Burnsville Senior High School Hall of Fame
- 2015- Appointed Emilie and Phil Schepps Distinguished Professor of Hearing Science, School of Behavioral and Brain Sciences, University of Texas at Dallas
- 2014: Awarded Tenure, University of Florida
- 2014: “Golden Lobe Award” from the National Hearing Conservation Association, in special recognition of organizing 2014 CAOHC/NHCA Webinar series: “Plugging the Holes in Hearing Conservation Programs: Promoting Prevention and Overcoming Obstacles”
- 2011: “Golden Lobe Award” from the National Hearing Conservation Association, in special recognition of organizing 2011 meeting with focus on “Innovation & Technology” in prevention of noise-induced hearing loss
- 2011: Best of 2011 – Hearing Healthcare Professionals, awarded by The Hearing review
- 2006: Award from the NOHR selected as “The Sand Family Fund Grant in Auditory Science”
- 1998: Marquis Dissertation Award, University of Michigan (awarded annually by the Department of Psychology, in recognition of the most outstanding dissertation)
- 1993: Scholar of the College, University of Minnesota, Morris
- 1992, 1993: Psi Chi, National Honor Society of Psychology
- 1990, 1991, 1992: Dean's List, University of Minnesota, Morris
- 1989: Freshman Academic Scholarship, University of Minnesota, Morris

F. GRANT and CONTRACT SUPPORT

Current:

- National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** 1R01DC020888-01, Consequences of chronic noise exposure in nonhuman primates, **Colleen G. Le Prell**, MPI. 01/01/23-12/31/2028; start date delayed due to national shortage of non-human primates for research. The overall goal of this project is to identify the functional, electrophysiological, and histopathological consequences of chronic occupation-like noise exposure in a primate model.
- American Academy of Audiology Foundation.** Music Quality Rating of Electronic and Custom Musician’s Hearing Protection Device, Faculty mentor. Principal Investigator:

- Conner Jansen (AuD/PhD student). 01/01/23-12/31/2023. \$10,000. The overall goal of this project is to identify attenuation acoustic features that influence ratings of music quality during hearing protection device use.
3. **American Academy of Audiology Foundation.** Use of In-Ear Dosimetry to Understand Musicians' Unique Sound Exposure (MUSE), Faculty mentor. Principal Investigator: Allison Woodford (AuD/PhD student). 01/01/22-12/31/2022. \$10,000. The overall goal of this project is to identify threshold and supra-threshold functional deficits in musicians with asymmetric auditory exposure.
 4. **Defense Medical Research and Development Program (DMRDP)/Joint Program Committee-8/Clinical and Rehabilitative Medicine Research Program (JPC-8/CRM RP) Hearing and Balance Research Award, W81XWH1820014 - “Functional Impairment in Service Members with Normal Audiometric Thresholds”, Colleen G. Le Prell, Co-Investigator; Principal Investigator: Doug Brungart. 05/01/2018-04/30/2021 (no-cost extension to June 2024 due to COVID-19): \$81,068 annual direct costs (average). The overall goal of this project is identify symptoms of noise injury in groups with diverse noise exposure.**

Completed:

1. **Department of Defense USAMRAA.** Pharmaceutical Interventions for Noise-Induced Hearing Loss—Acute Exposure Treatment (PINIHL-AET), W81XWH-19-C-0054, **Colleen G. Le Prell, Co-Investigator; Co-Principal Investigators: Craig Buchman and Jianxin Bao. 10/15/18-8/14/23. UTD contract approx. \$18,000 DC per year.**
2. **3M, Inc.** Audibility and Hazardous Noise Exposure: Worker Expressed Needs and the Impact of Hearing Protection, **Colleen G. Le Prell, Principal Investigator. 2/1/19-12/31/2021. \$27,455 total direct costs.**
3. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD) 1R01DC014088, Effect of inner hair cell loss and afferent damage on functional hearing, Colleen G. Le Prell, Co-Investigator. 12/07/16-11/20/2021 (in no-cost extension due to COVID-19): \$233,187 annual direct costs.**
4. **Q30, Inc.** Prevention of Temporary Threshold Shift Using Novel Collar Device, **Colleen G. Le Prell, Principal Investigator. 01/15/18-10/31/18. \$83,054 total direct costs.**
5. **Edison Pharmaceuticals, Inc., A Phase 2A Randomized, Placebo Controlled, Double Blind Study of the Protective Effects of EPI-743 (Vincerinone™) on Noise Induced Hearing Loss, Colleen G. Le Prell, Principal Investigator. 09/03/14-5/30/15: \$810,670 plus invoiced costs.**
6. **Sound Pharmaceuticals, Inc., Effects of Music-Player Use on Word-in-Noise Test Performance, Colleen G. Le Prell, Principal Investigator. 7/15/14-5/30/15: \$64,092 total costs.**
7. **MaxSound, Inc., Perceptual Rating of Sound Quality and Listening Levels After Dynamic Manipulation Using MAX-D, Colleen G. Le Prell, Principal Investigator. 7/15/14-3/31/15: \$59,884 total costs.**
8. **American Suppressor Association. Sound Level Attenuation Using Suppressors, Colleen G. Le Prell, Principal Investigator. 05/01/2014-2/28/2015: \$20,258 direct costs.**

9. **Florida Trauma Rehab Center for Returning Military Personnel.** Prevention of Age-Related Hearing Loss (ARHL) and Noise-Accelerated ARHL Using a Dietary Antioxidant Treatment. **Colleen G. Le Prell**, Principal Investigator. 9/01/2011-5/1/2014: \$125,000 direct costs.
10. **Hearing Health Science, Inc.** Program Development: Field Studies with Musicians and Music Fans, **Colleen G. Le Prell**, Principal Investigator. 5/1/13-12/31/13: \$32,654 direct costs.
11. **Sound Pharmaceuticals, Inc.,** Otoprotection with SPI-1005, **Colleen G. Le Prell**, Principal Investigator. 11/01/11-12/31/13: \$464,418 direct costs.
12. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** U01 DC 008423, Micronutrient Intervention to Reduce Noise-Induced Hearing Loss, **Colleen G. Le Prell**, Co-Investigator. 12/01/2007-11/30/2011: \$478,068 annual direct costs. Principal Investigator on Subcontract to University of Florida, \$110,000 annual direct costs; in no-cost extension through 1/31/14.
13. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** R01 DC 008131, Physiological and Behavioral Assessment of Lateral Efferent Function, **Colleen G. Le Prell**, Co-Investigator. 07/01/2007-06/30/2012: \$250,000 annual direct costs. Principal Investigator on Subcontract to University of Florida, \$39,000 annual direct costs.
14. **Sound Pharmaceuticals, Inc.,** Otoprotection with SPI-1005, **Colleen G. Le Prell**, Principal Investigator. 06/15/11-10/14/11: \$42,302 total direct cost.
15. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** ARRA Supplement to U01 DC 008423, Micronutrient Intervention to Reduce Noise-Induced Hearing Loss, **Colleen G. Le Prell**, Co-Investigator/Principal Investigator on Subcontract to University of Florida, 9/17/2009-4/15/2011, \$115,129 direct costs.
16. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** R44 DC009106, Prevention of Temporary Hearing Loss with AuraQuell, **Colleen G. Le Prell**, Co-Investigator. 09/21/2009-08/31/2010: \$558,654 annual direct costs. Principal Investigator on Subcontract to University of Florida, \$136,151 annual direct costs.
17. **University of Florida Office of Research** Opportunity Award Program, A New Therapeutic for Prevention of Noise-Induced Hearing Loss, **Colleen G. Le Prell**, Principal Investigator. 07/01/2008-06/30/2010: \$89,653 total direct cost.
18. **OtoMedicine, Inc.,** Prevention of Noise-Induced Hearing Loss in Rodents, **Colleen G. Le Prell**, Principal Investigator. 06/18/08-05/02/09: \$10,646 total direct cost.
19. **National Organization for Hearing Research,** Age-Related Hearing Loss: Regulation by Calcitonin-Gene-Related-Peptide, **Colleen G. Le Prell**, Principal Investigator. 02/01/2006-1/31/2007: \$20,000 annual direct costs (no cost extension to 5/31/07).
20. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** R03 DC 007342, Functional Role of CGRP as an Efferent Neurotransmitter, **Colleen G. Le Prell**, Principal Investigator. 07/01/2005-06/30/2008: \$50,000 annual direct costs.

21. **American Hearing Research Foundation**, Efferent Modulation of Auditory Nerve Activity via Calcitonin-Gene-Related-Peptide, **Colleen G. Le Prell**, Principal Investigator. 2005: \$18,108 annual direct costs.
22. **National Institutes of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD)** National Research Service Award F32 DC 00367, Auditory System Excitotoxic Trauma: Efferent Protection, **Colleen G. Le Prell**, Principal Investigator. 1998-2001: \$31,000 annual direct costs.
23. **Undergraduate Research Opportunities Program (UROP)**, Effects of Chlordiazepoxide on Fear Responses Induced by Novel Odors, **Colleen M. Garbe**, Principal Investigator. 1993: \$1100.
24. **Undergraduate Research Opportunities Program (UROP)**, Effects of Novel Odors on Defensive Aggression and Exploratory Behavior, **Colleen M. Garbe**, Principal Investigator. 1992: \$1100.

Equipment Grants

1. **School of Behavioral and Brain Sciences Equipment Grants**. Evoked Potentials Unit for AuD Program Education, **Colleen G. Le Prell**, Co-Principal Investigator. 11/30/2021-12/17/2021. \$29,765 total direct costs.
2. **School of Behavioral and Brain Sciences Equipment Grants**. Etymotic Research Wideband Immittance System for Research and AuD Education, **Colleen G. Le Prell**, Co-Investigator. 11/30/2021-12/17/2021. \$23,859 total direct costs.

G. BIBLIOGRAPHY

Asterisk (*) indicates author is student working with Dr. Le Prell

Peer-Reviewed Publications

1. **Le Prell, C. G.** (in press). Preclinical prospects of investigational agents for hearing loss treatment, *Expert Opinion on Investigational Drugs*, manuscript accepted for publication; doi: 10.1080/13543784.2023.2253141.
2. Zaccardi, T. A.*, Portnuff, C. D. F., and **Le Prell, C. G.** (2023). Preliminary investigation of perceived sound quality for high-fidelity premolded hearing protection devices, *Medical Problems of Performing Artists*, 38(1):63-70, doi: 10.21091/mppa.2023.1008.
3. **Le Prell, C. G.**, Clavier, O., Bao, J. (2023). Noise-induced hearing disorders: Clinical and investigational tools. *Journal of the Acoustical Society of America*, 153(1), 711-722, doi:10.1121/10.0017002.
4. Grinn, S.K.*, and **Le Prell, C. G.** (2022). Evaluation of hidden hearing loss in normal hearing firearm users. *Frontiers in Neuroscience*, 16:1005148. doi:10.3389/fnins.2022.1005148.

5. **Le Prell, C. G.**, Brewer, C., and Campbell, K.C.M. (2022). The audiogram: Detection of pure-tone stimuli in ototoxicity monitoring and assessments of investigational medicines for the inner ear. *Journal of the Acoustical Society of America*, 151(1): 470-490, doi: 10.1121/10.0011739.
6. Sonstrom Malowski, K., Humbert Golligugh, L., Malyuk, H., and **Le Prell, C. G.** (2022) Auditory changes following firearm noise exposure, a review. *Journal of the Acoustical Society of America*, 151, 1768-1791, doi: 10.1121/10.0009675.
7. Zaccardi, T.*, Portnuff, C., and **Le Prell, C.G.** (2022). Verification of attenuation for premolded hearing protection devices designed for music, *Medical Problems of Performing Artists*, 37(2): 78-88; doi: 10.21091/mppa.2022.2013.
8. **Le Prell, C. G.** (2022). Prevention of noise-induced hearing loss using antioxidants and other drug agents: previous trial outcomes should inform future trial design. *Antioxidants and Redox Signaling*, 36(16-18): 1171-1201, doi: 10.1089/ars.2021.0166.
9. **Le Prell, C. G.** (2021). Investigational medicinal products for the inner ear: Review of clinical trial characteristics in ClinicalTrials.gov. *Journal of the American Academy of Audiology*, 32(10): 670-694, doi: 10.1055/s-0041-1735522.
10. **Le Prell, C.G.**, Hughes, L.F., Dolan, D. F., Bledsoe, S. C. Jr. (2021). Effects of calcitonin-gene-related-peptide (CGRP) on auditory nerve activity. *Frontiers in Cell and Developmental Biology – Molecular and Cellular Pathology*, 9:752963; doi: 10.3389/fcell.2021.752963
11. Grinn, S. *, and **Le Prell, C. G.** (2021). Modeling individual noise-induced hearing loss risk with proxy metrics of external ear amplification, *Journal of the Acoustical Society of America*, 149(6), 3975-3987; <https://doi.org/10.1121/10.0005061>
12. Devanney, S.C., Gibney, J.M., **Le Prell, C. G.**, Wronski, T. J., Aguirre, J. I., Mcdoom, I., Williams, A.A., Heldermon, C. D. (2021). The beta-glucuronidase intracisternal A particle insertion model results in similar overall MPSVII phenotype as the single base deletion model when on the same C57BL/6J mouse strain, *Molecular Genetics and Metabolism Reports*, 7:100727; doi: 10.1016/j.ymgmr.2021.100727
13. **Le Prell, C. G.**, Hackett, T.A., and Ramachandran, R. (2020). Noise-induced hearing loss and its prevention: Current issues in mammalian hearing, *Current Opinion in Physiology*, 18:32-36; doi: 10.1016/j.cophys.2020.07.004
14. **Le Prell, C. G.**, Hammill, T., and Murphy, W. J. (2019). Noise-induced hearing loss: Translating risk from animal models to real-world environments, *The Journal of the Acoustical Society of America*, 146(5): 3646-3651; doi: 10.1121/1.5133385
15. **Le Prell, C. G.**, Hammill, T., and Murphy, W. J. (2019). Noise-induced hearing loss: Integration of data from animal models and human clinical trials, *The Journal of the Acoustical Society of America*, 146(5): 4051-4074; doi: 10.1121/1.5132951
16. Spankovich, C. S. and **Le Prell, C. G.** (2019). Dietary nutrient intake and use of nutritional supplements: Impacts on hearing and hearing loss prevention studies, *The Journal of the Acoustical Society of America*, 146(5): 4033-4043; doi: 10.1121/1.5132707
17. Naert, G., Padelou, M. P., and **Le Prell, C. G.** (2019). Use of the guinea pig in otoprotection research: implications for translation of benefits to humans, *The Journal of the Acoustical Society of America*, 146(5): 3743-3769; doi: 10.1121/1.5132711

18. Grinn, S.* and **Le Prell, C. G.** (2019). Predicting transfer function of the open ear using proxy tympanometric measures, *The Journal of the Acoustical Society of America*, 146(5): 3967-3977; doi: 10.1121/1.5132546
19. Gittleman, S.,* **Le Prell, C. G.** and Hammill, T. (2019). The use of octave band noise in otoprotection research: implications for translation of benefits to humans, *The Journal of the Acoustical Society of America*, 146(5): 3800-3810; doi: 10.1121/1.5133393
20. **Le Prell, C. G.** (2019). Otoprotectants - from research to clinical application, *Seminars in Hearing*, 40(2):162-176. doi: 10.1055/s-0039-1684045
21. Bramhall, N., Beach, E., Epp, B., **Le Prell, C. G.**, Lopez-Poveda, E. A., Plack, C., Schaette, R., Verhulst, S., and Canlon, B. (2019). The search for noise-induced synaptopathy in humans: Mission impossible? *Hearing Research*, 377:88-103. doi: 10.1016/j.heares.2019.02.016
22. **Le Prell, C. G.** (2019). Effects of noise exposure on auditory brainstem response and speech-in-noise tasks: A review of the literature, *International Journal of Audiology*, 58(sup1): S3-S32. doi: 10.1080/14992027.2018.1534010
23. **Le Prell, C. G.** Siburt, H., Lobarinas, E., Griffiths, S., and Spankovich, C. (2018). No reliable association between recreational noise exposure and threshold sensitivity, distortion product otoacoustic emission amplitude, or word-in-noise performance in a college-student population. *Ear and Hearing*, 39(6):1057-1074. doi: 10.1097/AUD.0000000000000575
24. Campbell, K.C.M. and **Le Prell, C.G.** (2018). Drug-induced ototoxicity: Diagnosis and monitoring. *Drug Safety*, 41(5):451-464. doi: 10.1007/s40264-017-0629-8
25. Spankovich, C., **Le Prell, C.G.**, Lobarinas, E., and Hood, L. (2017). Noise history and auditory function in young adults with type-I diabetes? *Ear and Hearing*, 38(6):724-735. doi: 10.1097/AUD.0000000000000457
26. Fulbright, A.* , **Le Prell, C.G.**, Griffiths, S., and Lobarinas, E. (2017). Effects of recreational noise on threshold and supra-threshold measures of auditory function, *Seminars in Hearing*, 38(4): 298-318. doi: 10.1055/s-0037-1606325
27. Grinn, S.K.* , Wiseman, K.B.* , Baker, J.A* , and **Le Prell, C. G.** (2017). Hidden hearing loss? No effect of common recreational noise exposure on cochlear nerve response amplitude in humans. *Frontiers in Neuroscience*, 11:465. doi: 10.3389/fnins.2017.00465
28. Kil, J., Lobarinas, E., Spankovich, C., Griffiths, S., Antonelli, P.J., Lynch, E.D., **Le Prell, C. G.** (2017). Safety and efficacy of Ebselen for the prevention of noise-induced hearing loss: A randomized double blind placebo-controlled phase 2 clinical trial, *The Lancet*, 390(10098):969-979. doi: 10.1016/S0140-6736(17)31791-9
29. Spankovich, C. Bishop, C. E., Johnson, M. F., Elkins, A. J., Lobarinas, E., and **Le Prell, C. G.** (2017). Associations between dietary quality, tinnitus, and hearing level: data from the National Health and Nutrition Examination Survey, 1999-2002. *International Journal of Audiology*, 56(10):716-722. doi: 10.1080/14992027.2017.1331049
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31. Lobarinas, E., Spankovich, C., and **Le Prell, C.G.** (2017). Evidence of “hidden hearing loss” following noise exposures that produce robust TTS and ABR wave-I amplitude reductions. *Hearing Research*, 349: 155-163. doi: 10.1016/j.heares.2016.12.009
32. **Le Prell, C.G.**, and Clavier, O. (2017). Effects of noise on speech recognition: Challenges for communication by service members. *Hearing Research*, 349: 76-89. doi: 10.1016/j.heares.2016.10.004
33. Park, Y.*, Guercio, D.*, Ledon, V.*, and **Le Prell, C.G.** (2017). Variation in music player listening level as a function of campus location. *Journal of the American Academy of Audiology*, 28(4):295-313. doi: 10.3766/jaaa.16011
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39. Spankovich, C., Lobarinas, E., Ding, D., Salvi, R., and **Le Prell, C. G.** (2015). Assessment of thermal treatment via irrigation of external ear to reduce cisplatin-induced hearing loss. *Hearing Research*, 332:55-60. doi: 10.1016/j.heares.2015.11.009
40. Lobarinas, E., Blair, C., Spankovich, C., **Le Prell, C.G.** (2015). Partial to complete suppression of unilateral noise-induced tinnitus in rats after cyclobenzaprime treatment. *Journal of the Association for Research in Otolaryngology*, 16(2):263-272. doi: 10.1007/s10162-014-0500-x
41. **Le Prell, C.G.**, Dolan, D.F., Hughes, L. F., Altschuler, R. A., Shore, S. E., and Bledsoe, S.C. Jr. (2014). Disruption of lateral olivocochlear neurons with a dopaminergic neurotoxin depresses spontaneous auditory nerve activity. *Neuroscience Letters*, 582:54-58. doi: 10.1016/j.neulet.2014.08.040
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44. Auchter, M.* and **Le Prell, C.G.** (2014). Hearing loss prevention education using Adopt-a-Band: changes in self-reported earplug use in two high school marching bands. *The American Journal of Audiology*, 23(2):211-26. doi: 10.1044/2014_AJA-14-0001
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54. **Le Prell, C. G.**, Yang, Q.*, and Harris, J. (2011). Modification of digital music files for use in human temporary threshold shift studies. *Journal of the Acoustical Society of America Express Letters*, 130(4), EL142-146. doi: 10.1121/1.3630017
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Edited Books

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2. Miller, J., **Le Prell, C. G.**, Rybak, L., and Armstrong, D. (2015). *Free Radicals in ENT Pathology, Oxidative Stress in Applied Basic Research and Clinical Practice*. New York: Springer.
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Professional Position Papers

1. Santucci, M., Fligor, B., Malyuk, H., Portnuff, C., Wartinger, F., Chasin, M., Heche, M., Chesky, K., **Le Prell, C. G.**, and Tannenbaum, L. AAA Best Practices Guidelines for Musicians. Submitted to the American Academy of Audiology, June 2019; approved January 2020.
https://www.audiology.org/sites/default/files/publications/resources/Musicians%20Consensus%20Doc_Final_1.23.20.pdf
2. WHITE PAPER: The Role of Audiologists in the Provision of Pharmaceutical Agents for the Prevention or Treatment of Hearing Loss. Prepared by the Task Force on the Role of Audiologists in the Provision of Pharmaceutical Agents for the Prevention or Treatment of Hearing Loss. Accepted by the American Academy of Audiology, October 2019.
Task Force Membership: Bob DiSogra, Victoria Gonzalez, **Colleen Le Prell**, Rebecca Lewis, Dana Libman, Nancy McKenna, Riley DeBacker, Kelly Watts, Sam Atcherson, David Brown, Jill Preminger, Kathryn Werner (liaison to the board)
3. Fligor, B., **Le Prell, C. G.**, Wartinger, F., Portnuff, C., Berger, E., and Santucci, M. (2018). NHCA Position Statement: Recreational Music Exposure. National Hearing Conservation Association (NHCA) Task Force on Prevention of Music-Induced Hearing Disorders. Available at:
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Dissertation

Significance of frequency- and amplitude-based temporal cues in Japanese macaque coo vocalizations (UMI dissertation services: Ann Arbor, Michigan).

Patents Awarded

1. Miller, J.M., Green, G.E., and **Le Prell, C.G.** US RE46,372 E, Method for treating hearing loss. Issued April 25, 2017. Re-issue of US 9,144,565, Method for treating hearing loss. Issued September 9, 2015.
2. Miller, J.M., **Le Prell, C.G.**, Schacht, J., and Prieskorn, D.M. US 8,927,528, Composition for treating hearing loss. Issued January 6, 2015.
3. Harris, J., **Le Prell, C.G.**, and Yang, Q. US 8,804,975, Digital sound-leveling device and method to reduce the risk of noise-induced hearing loss. Issued August 12, 2014.
4. Miller, J.M., **Le Prell, C.G.**, Schacht, J., and Prieskorn, D.M. US 8,338,398, Composition and method for treating hearing loss. Issued December 25, 2012.
5. Miller, J.M., **Le Prell, C.G.**, and Yamashita, D. US 8,053,424, Composition and method of treating hearing loss. Issued November 8, 2011.
6. Miller, J.M., **Le Prell, C.G.**, Schacht, J., and Prieskorn, D.M. US 7,951,845, Composition and method of treating hearing loss. Issued May 31, 2011.
7. Miller, J.M., **Le Prell, C.G.**, and Yamashita, D. US 7,786,100 B2, Composition and method of treating hearing loss. Issued August 31, 2010.

Non-Peer-Reviewed Publications

1. Sonstrom Malowski, K., Malyuk, H., and **Le Prell, C.G.** (2023). Summary paper – Auditory changes following firearm noise exposure, a review. *Canadian Audiology*, 9(5); <https://canadianaudiologist.ca/issue/volume-9-issue-5-2022/auditory-changes-following-firearm-noise-exposure/>
2. **Le Prell, C.G.** (2022). Acquired hearing loss: Are prevention or reversal realistic goals? *Acoustics Today*, 18(4):13-21.
3. **Le Prell, C.G.** (2022). Pharmacology for the audiology practitioner. *Audiology Today*, 34(6):20-27.
4. **Le Prell, C.G.** (2018). In search of hidden hearing loss. *NHCA Spectrum*, 35(1):12-21.
5. **Le Prell, C.G.** (2018). Hidden versus not-so-hidden hearing loss. *Canadian Audiology*, 5(2); <http://canadianaudiologist.ca/hidden-versus-not-so-hidden-hearing-loss/>
6. Spankovich, C. and **Le Prell, C.G.** (2017). “Normal” hearing and perceived hearing complaints. *Audiology Today*, 29(6): 34-44.
7. **Le Prell, C.G.** (2017). Sound level suppressors for the reduction of firearm noise: Implications for hearing conservation. *Canadian Audiology*, 4(5); <http://canadianaudiologist.ca/issue/volume-4-issue-5-2017/firearm-suppressors-feature/>
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8. Murphy, W.J., and **Le Prell, C.G.** (2017). Making sound waves: selected papers from the 2016 annual conference of the National Hearing Conservation Association. *International Journal of Audiology*, 56: S1-S3. doi: 10.1080/14992027.2016.1271145
9. **Le Prell, C. G.** (2016). Potential contributions of recreational noise to daily noise dose. *CAOHC Update*, 28(1):1,3.

10. **Le Prell, C.G.** and Grantham, M.A. (2016). Celebrating hearing loss prevention. *International Journal of Audiology*, 55: S1-S2.
11. Lobarinas, E. and **Le Prell, C.G.** (2014). Impulse noise produced by weapons: Implications for hearing conservation. *NHCA Spectrum*, 31(1):1,6-8.
12. **Le Prell, C. G.** (2012). Dietary supplements for protection of the inner ear. Proceedings of the AES 47th International Conference: Music-Induced Hearing Disorders: New Technologies for Measurement and Protection. Chicago, Illinois, U.S.A., June 20-22.
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14. Morata, T. C. and **Le Prell, C.G.** (2012). Foreword: Innovation and Technology. *International Journal of Audiology*, 51: S1-S2. DOI: 10.3109/14992027.2011.637080
15. **Le Prell, C. G.** (2011). Noise-induced hearing loss: The potential for otoprotection. *Perspectives on Hearing and Hearing Disorders: Research and Diagnostics*, 15:25-33.
16. Miller, J. M., Yamashita, D., Minami, S., Yamasoba, T., and **Le Prell, C. G.** (2006). Mechanisms and prevention of noise-induced hearing loss. *Journal of Otology (Japan)*, 16, 139-153.
17. **Garbe, C.M.** and Kemble, E.D. (1993). Effects of novel odor exposure on maternal aggression in mice. *Bulletin of the Psychonomic Society*, 31(6), 571-573.
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Abstracts

1. **Le Prell, C. G.** (2024). Standardization of threshold and supra-threshold measures in clinical trials assessing investigational inner ear medicines. Accepted for presentation at the 2024 Midwinter Meeting of the Association for Research in Otolaryngology.
2. Duren, A.*, Jansen, C.,* and **Le Prell, C. G.** (2023). Acoustic properties of high-fidelity hearing protection devices and music quality perception. Presented at the *2023 Annual Conference of the California Academy of Audiology*.
3. Jansen, C.,* Duren, A.,* and **Le Prell, C. G.** (2023). Comfort as a factor for high-fidelity earplug recommendations. Presented at the *2023 Annual Conference of the California Academy of Audiology*.
4. Grinn, S.,* and **Le Prell, C. G.** (2023). Evaluation of hidden hearing loss in normal-hearing firearm users. Presented at the *2023 annual conference of the American Academy of Audiology*.
5. Cokely, C., **Le Prell, C. G.**, Griffiths, S., and Fowler, S. (2023). Practical implementation strategies for achieving program inclusivity goals. Presented at the 2023 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Orlando, FL.
6. Cochran, A.,* Jansen, C.,* Fallon, E., and **Le Prell, C. G.** (2023). Speech-in-noise and alarm detection with active and passive hearing protection in workplace noise. *2023 Annual Conference of the National Hearing Conservation, NHCA Spectrum*, 40(Suppl 1), p. 36.
7. Jansen, C.,* Cochran, A.,* Fallon, E., and **Le Prell, C. G.** (2023). Self-reported hearing disorders and modifiable risk factors: Worker hearing protection device behavior and risk for reporting hearing difficulty. *2023 Annual Conference of the National Hearing Conservation, NHCA Spectrum*, 40(Suppl 1), p. 36.

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9. Portnuff, C. and **Le Prell, C. G.** (2023). How to choose and verify non-custom high-fidelity hearing protection devices. *2023 Annual Conference of the National Hearing Conservation, NHCA Spectrum, 40(Suppl 1), p. 32.*
10. McKenna, N., **Le Prell, C. G.**, Atcherson, S., Libman, D. R., DiSogra, R. (2022). Pharmacology education in the AUD curriculum: Current practices and future directions. 2022 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Portland, OR.
11. Ideker, K.,* Sears, A.,* Malyuk, H., McGinnity, S., and **Le Prell, C. G.** (2021). Review of musician hearing health care in the US. *2021 Annual National Hearing Conservation Conference-Virtual Conference: NHCA Spectrum, p. 28.*
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16. **Le Prell, C. G.** (2019). Otoprotection: Prevention of noise-induced hearing loss in animal models and human trials. *Military Health System Research Symposium.*
17. **Le Prell, C. G.** and Grinn, S.* (2019). No differences in ABR wave I slope as a function of exposure to leisure noise. *International Evoked Response Audiometry Study Group, Abstract #75, page 70.*
18. **Le Prell, C. G.** (2019). Effects of noise exposure on auditory brainstem response in populations exposed to occupational noise. *International Evoked Response Audiometry Study Group, Abstract #76, page 123.*
19. Gittleman, S.,* Grinn, S.,* and **Le Prell, C. G.** (2019). Relationship between gain in the speech frequencies and self-reported difficulty understanding speech in noise. *2019 Annual National Hearing Conservation Conference-Deep in the Heart of Texas: NHCA Spectrum, Volume 36, Supplement 1, page 37.*
20. Honea, L.* and **Le Prell, C. G.** (2019). Verification of noise reduction in hearing protection for infants and toddlers. *2019 Annual National Hearing Conservation Conference-Deep in the Heart of Texas: NHCA Spectrum, Volume 36, Supplement 1, page 37.*
21. Iola, A.,* Grinn, S.,* and **Le Prell, C. G.** (2019). Relationship between peak resonance, tympanometric measurements & transfer functions of the open ear. *2019 Annual National Hearing Conservation Conference-Deep in the Heart of Texas: NHCA Spectrum, Volume 36, Supplement 1, page 38.*
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Other supervised student poster presentations

Asterisk (*) indicates author is student/resident working with Dr. Le Prell

1. Duren, A.*, Jansen, C.*, and **Le Prell, C. G.** (2023). Acoustic properties of HPDs associated with sound quality, *Poster presented at 2023 California Academy of Audiology, San Jose, CA.*
2. Jansen, C.*, Duren, A.* and **Le Prell, C. G.** (2023). Comfort as a factor for high-fidelity earplug recommendations, *Poster presented at 2023 California Academy of Audiology, San Jose, CA.*
3. Duren, A.* and **Le Prell, C. G.** (2023). Acoustic properties of HPDs associated with sound quality, *Poster presented at 2023 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
4. Bole, A.* and **Le Prell, C. G.** (2022). Hearing protection in the commercial airline industry, *Poster presented at 2022 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
5. Ideker, K.*, Malyuk, H., McGinnity, S., Sears, A.*, and **Le Prell, C. G.** (2021). Review of musician centered care by hearing professionals across the United States, *Poster*

- presented at 2021 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
6. Sears, A.*, Ideker, K.*, Malyuk, H., McGinnity, S., and **Le Prell, C. G.** (2021). Review of custom-fit musician earplug manufacturer information in the U.S., *Poster presented at 2021 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 7. Iola, A.*, Grinn, S. K.*, and **Le Prell, C. G.** (2020). Relationships between tympanometric measurements on both the transfer function of the ear canal and the transfer function of the open ear, *Poster presented at 2020 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 8. Gittleman, S.*, Grinn, S. K.*, and **Le Prell, C. G.** (2020). “I have the same amount of difficulty hearing in noisy situations as most people”; Discrepancies between quantitative and qualitative data, *Poster presented at 2020 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 9. Honea, L.* and **Le Prell, C. G.** (2019). Verification of noise reduction in hearing protection for infants and toddlers, *Poster presented at 2019 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 10. Zaccardi, T.*, Grinn, S.*, Palmer, K.*, and **Le Prell, C. G.** (2018). Attenuation using high fidelity hearing protection devices, *Poster presented at 2018 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 11. Baker, J.*, Grinn, S.*, Wiseman, K.*, and **Le Prell, C. G.** (2017). Potential speech-in-noise deficits in normal-hearing, noise-exposed individuals, *Poster presented at 2017 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 12. Caldwell, T.*, Danielson, R., Ebert, D., Kemp, D., and **Le Prell, C. G.** (2017). Assessing the utility of otoacoustic emissions for monitoring intracranial pressure in microgravity through analog observations, *Poster presented at 2017 UT Dallas Specialized Topics in Audiology Research (STAR) Poster Session.*
 13. Grinn, S.*, Baker, J.*, Wiseman, K.*, and **Le Prell, C. G.** (2016). Assessment of ABR wave I amplitude before and after recreational noise exposure, *Poster presented at 2016 Meeting of the Texas Academy of Audiology, Frisco, Texas.*
 14. Baker, J.*, Grinn, S.*, Wiseman, K.*, and **Le Prell, C. G.** (2016). Potential speech-in-noise deficits in normal-hearing, noise-exposed individuals, *Poster presented at 2016 Meeting of the Texas Academy of Audiology, Frisco, Texas.*
 15. Caldwell, T.*, Danielson, R., Ebert, D., Kemp, D., and **Le Prell, C. G.** (2016). Assessing the utility of otoacoustic emissions for monitoring intracranial pressure in microgravity through analog observations, *Poster presented at 2016 Meeting of the Texas Academy of Audiology, Frisco, Texas.*

H. ORGANIZATION OF INVITED SYMPOSIA

1. American Academy of Audiology 2023 Auditory Research Conference (ARC): “Next generation inner ear therapies”
2. CAOHC/NHCA 2014 Webinar series: “Plugging the Holes in Hearing Conservation Programs: Promoting Prevention and Overcoming Obstacles”
3. Workshop Organizer, 2013 *National Hearing Conservation Conference, 38th Meeting*: “Can’t I just take a pill for that? What every hearing health provider needs to know about NIHL and emerging therapies.”
4. Invited Symposium Organizer, 2013 *Association for Research in Otolaryngology, 36st Midwinter Meeting*: “Noise-Induced Hearing Loss: Scientific Advances.”
5. Invited Symposium Organizer at 2008 *Association for Research in Otolaryngology, 31st*

Midwinter Meeting: “Noise-Induced Hearing Loss: From Molecules to Man.”

I. INVITED PRESENTATIONS

1. **Le Prell, C.G.** (2024, June). Hearing loss: Is prevention or reversal a realistic goal? To be presented at NOISE-CON, New Orleans, LA.
2. **Le Prell, C.G.** (2024, March). Development of inner ear medicines for threshold and supra-threshold indications, to be presented at the University of North Dakota inaugural Kathleen Campbell lectureship.
3. **Le Prell, C.G.** (2023, December). Development of inner ear medicines for threshold and supra-threshold indications, to be presented at the Belgian Academy of Audiology.
4. **Le Prell, C.G.** (2023, November). Development of inner ear medicines for threshold and supra-threshold indications, to be presented at American Academy of Audiology 2023 Auditory Research Conference (ARC): Next generation inner ear therapies (online).
5. **Le Prell, C.G.** (2023, October). Hearing loss: Is prevention or reversal a realistic goal? To be presented at Technology for a Quieter America, a workshop of the National Academy of Engineering, Washington, D.C.
6. Spear, S., **Le Prell, C.G.**, and Esquivel, C. (2023, October). Acoustic trauma and noise-induced hearing loss, to be presented at the 2023 annual conference of the American Academy of Otolaryngology- Head and Neck Surgery, Nashville, TN.
7. **Le Prell, C.G.** (2023, September). Development of inner ear medicines for threshold and supra-threshold indications, to be presented at Center for Applied & Translational Sensory Science (CATTS) Symposium, University of Minnesota, Minneapolis, MN.
8. **Le Prell, C.G.** (2023, June). Development of inner ear medicines for threshold and supra-threshold indications, Rush University (on-line).
9. **Le Prell, C. G.** and Knox, D. (2023, April). Budgeting: An option for chairs and clinic directors. Invited for presentation at the 2023 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Orlando, FL.
10. **Le Prell, C.G.** (2023, March). Noise-induced hearing disorders: Hidden and not-so-hidden injuries. Presented at American Auditory Society, Scottsdale, AZ.
11. **Le Prell, C.G.** and Esquivel, C. (2023, February). Investigational inner ear medicines: Is Hearing Loss and Restoration Possible? *2023 Annual Conference of the National Hearing Conservation, NHCA Spectrum, 40(Suppl 1), p. 23.*
12. **Le Prell, C.G.**, Blank, A., Allen, J., and Wartinger, F. (2023, January). Conference IGNITE! Ototoxicity Pre-Conference Roundtable. National Hearing Conservation Association, On-line Town Hall.
13. **Le Prell, C.G.** (2022, December). Clinical trials of therapeutics to prevent otopathology, hearing loss, and other auditory dysfunction. Presented at Palm Springs Hearing Seminar, Palm Springs, CA.
14. **Le Prell, C.G.** (2022, December). Pharmacology of tinnitus and its treatment. Presented at Palm Springs Hearing Seminar, Palm Springs, CA.
15. **Le Prell, C.G.** (2022, September). Noise-induced hearing disorders: Pathology, physiology, and prevention. Louisiana Academy of Audiology, New Orleans, LA.
16. **Le Prell, C.G.** (2022, September). SARS-CoV-2: Relationships between vaccination, infection, and therapeutics. Louisiana Academy of Audiology, New Orleans, LA.
17. **Le Prell, C.G.** (2022, July). Clinical trial endpoints relevant to development of therapeutics intended to prevent otopathology, hearing loss, and other auditory

- dysfunction, National Center for Rehabilitative Audiology Research (NCRAR), Portland, OR (virtual presentation due to COVID-19).
18. **Le Prell, C.G.** (2022, June). Addressing the lack of clinically validated endpoints, 2nd Inner ear Disorders Therapeutics Summit, Boston, MA.
 19. **Le Prell, C.G.** Powell, D., Wood, C., Duff, M. (2022, April). Addressing the PhD shortage in CSD: A panel discussion, 2022 Conference of the Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Portland, OR.
 20. **Le Prell, C.G.** (2022, April). Dollars and sense: The bottom line in developing a sustainable budget in CSD programs, 2022 Conference of the Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Portland, OR.
 21. **Le Prell, C. G.** (2022, March). Pharmacology and clinical relevance: A Featured Session, AudiologyNOW! (annual conference for the American Academy of Audiology), St. Louis, MO.
 22. **Le Prell, C.G.** (2022, March). Noise-induced hearing disorders: Pathophysiology and prevention, “Hear for Tomorrow”: a joint meeting of the Hearing Conservation Association and the Institute of Acoustics, London, England.
 23. **Le Prell, C.G.** (2022, February). Noise-induced hearing disorders: Pathology, physiology, and function, Texas Speech Language Hearing Association (TSHA), Fort Worth, TX.
 24. **Le Prell, C.G.** (2022, February). Prevention of noise-induced hearing disorders: Drugs and devices, Texas Speech Language Hearing Association (TSHA), Fort Worth, TX.
 25. **Le Prell, C.G.,** Cokely C., Carter, J. and Lougeay, J. (2021, November). Online teaching and training in Speech, Language, and Hearing: Supporting student knowledge and competencies. Annual convention, American Speech Language Hearing Association, Washington D.C.
 26. **Le Prell, C.G.** (2021, November). Hearing across the lifespan: Effects of noise on communication ability, Keynote lecture presented at: 10th International “Future of Hearing” Symposium, Oldenburg, Germany.
 27. Kauth, L., Bloyer, C., Blank, A., Allen, J., Masterson, E., and **Le Prell, C.G.** (2021, September). What do Hearing Conservationists do? National Hearing Conservation Association, On-line Town Hall.
 28. **Le Prell, C.G.** (June, 2021). Hearing disorders secondary to SAR-CoV-2, Acoustical Society of America (virtual meeting due to COVID-19).
 29. **Le Prell, C.G.** and Lobarinas, E. (2021, May). All Ears! Hot topics on hearing health and tinnitus. University of Texas at Dallas, School of Behavioral and Brain Sciences, Brain Matters annual lecture (virtual presentation due to COVID-19).
 30. **Le Prell, C.G.** (2021, April). Otoprotectants: Development of therapeutics to protect the inner ear. University of North Colorado (virtual meeting due to COVID-19).
 31. **Le Prell, C.G.** (2021, April). Noise-induced hearing disorders: Pathophysiology and prevention, Guest of Honor Lecture at the 2021 Convention of the American Otologic Society (virtual meeting due to COVID-19).
 32. **Le Prell, C.G.** (2021, April). Budget Basics, 2021 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) (virtual meeting due to COVID-19).
 33. **Le Prell, C.G.** (2021, January). Clinical trial endpoints relevant to development of therapeutics intended to prevent otopathology, hearing loss, and other auditory dysfunction. Department of Communication Disorders, University of South Florida, Tampa, FL (virtual meeting due to COVID-19).

34. **Le Prell, C.G.** and Zaccardi, T. (December 2020). High fidelity hearing protection devices: attenuation in human ears and manikin devices, Acoustical Society of America (virtual meeting due to COVID-19).
35. **Le Prell, C.G.** (October 2020). From ototoxins to otoprotection: Drugs that influence auditory function, Texas Academy of Audiology (virtual meeting due to COVID-19).
36. **Le Prell, C.G.** (2020, June). For better or for worse: Drugs that can help or harm your hearing, Keynote lecture at the Chicago Audio Engineering Society Section Meeting (virtual meeting due to COVID-19).
37. **Le Prell, C.G.** (2020, June). Noise-induced hearing disorders: Understanding – and preventing – tinnitus, 2020 Convention of the Hearing Loss Association of America (virtual meeting due to COVID-19).
38. **Le Prell, C.G.** (2020, April). Word-in-noise (WIN) test outcomes in young adults with diverse noise exposure history, to be presented at the 2020 Forum Acusticum in Lyon, France (cancelled due to COVID-19).
39. Brandel, J. and **Le Prell, C.G.** (2020, April). Problem solving and information exchange – Chairs 101, 2020 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), New Orleans, LA (cancelled due to COVID-19).
40. **Le Prell, C.G.** (2019, October). Occupational noise: Should we be concerned about “hidden” cochlear injury? Keynote lecture at the Michigan Audiology Coalition, Lansing, MI.
41. **Le Prell, C.G.** (2019, July). Hearing conservation: Understanding- and preventing- changes in hearing, Keynote lecture at the Summer Intensive Aural Revitalization Conference, University of Texas at Dallas.
42. **Le Prell, C.G.** (2019, March). Diagnosing and preventing noise-Induced auditory deficits, delivered at the vision setting meeting for the Congressionally Directed Medical Research Programs (CDMRP) Hearing Restoration Research Program (HRRP), Fort Detrick, Maryland.
43. **Le Prell, C.G.** (2019, February). Hearing conservation: Understanding- and preventing- supra-threshold auditory deficits, Keynote lecture at the Joint Defense/Veterans Audiology Conference, Grapevine, Texas.
44. **Le Prell, C.G.** (2018, October). Hidden hearing loss, presented at University of California San Francisco (UCSF) Audiology Update XIII 2018, San Francisco, California.
45. **Le Prell, C.G.** (2018, March). Prevention of noise-induced hearing loss: Translation from animal models to clinical trials, presented at inaugural Josef M. Miller Symposium, Ann Arbor, Michigan.
46. Apel, K., Scott, L., Mendel, M., **Le Prell, C.G.**, and Franklin, K. (2018, March). Pre-Conference Session - Renew: Changing the culture of accreditation, presented at 2018 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Austin, Texas.
47. **Le Prell, C.G.** and Fleming, V. (2018, March). Problem solving and information exchange – Chairs 101, presented at 2018 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Austin, Texas.
48. **Le Prell, C.G.** and Griffiths, S. K. (2018, March). Incorporating interviews in the admissions process, presented at 2018 Council of Academic Programs in Communication Sciences and Disorders (CAPCSD), Austin, Texas.

49. **Le Prell, C.G.** (2018, February). Models of noise-induced hearing loss and hearing dysfunction: translation from rodents to humans, presented at Bohne Tributary Symposium at the 2018 Association for Research in Otolaryngology mid-winter meeting.
50. **Le Prell, C.G.** (2017, October). Development of novel therapeutics for prevention of acquired hearing loss: from animal models to clinical trials. 3rd Translational Auditory and Vestibular Research Day at the University of Maryland, Baltimore.
51. **Le Prell, C.G.** and Spankovich, C. (2016, November). Hearing (loss) and nutrition: does healthy eating support healthy hearing? Annual convention of the American Speech Language Hearing Association, Philadelphia, PA.
52. **Le Prell, C.G.** (2016, October). Development of novel therapeutics for prevention of acquired hearing loss. 17th annual convention of the Texas Academy of Audiology, Frisco, TX.
53. **Le Prell, C.G.** (2016, September). Strategies for assessing the prevention of noise-induced hearing loss in humans: clinical trial models and outcomes. 17th annual convention of the California Academy of Audiology, San Diego Mission Valley, CA.
54. **Le Prell, C.G.** (2016, June). Development of therapeutics to protect the inner ear: from animal models to clinical trials. Sounds+ convention; Halifax, Nova Scotia.
55. Danielson, R. W., Meinke, D., and **Le Prell, C. G.** (2016, April). Noise-Induced Hearing Loss: What's all the noise about? A Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology), Phoenix, AZ.
56. **Le Prell, C.G.** (2015, December). Development of otoprotective agents: from animal models to clinical trials. National Center for Rehabilitative Auditory Research (NCRAR), Portland OR.
57. **Le Prell, C.G.** (2015, November). Hidden Hearing Loss. United States Department of Defense, Research Meeting on Auditory Health & Neurodegeneration. Massachusetts Institute of Technology, Lincoln Laboratory, Lexington, MA.
58. **Le Prell, C.G.** (2015, March). Development of therapeutics to prevent acquired hearing loss: animal data and human trials. Translational Research Session on Otoprotective Strategies, a Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology), SanAntonio, TX.
59. **Le Prell, C.G.** (2015, March). Sources of Recreational Noise. Raindrops on Roses: Helping Patients Enjoy a Lifetime of Sound, a Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology), SanAntonio, TX.
60. **Le Prell, C.G.** (2015, March). Development of a therapeutic to protect the inner ear: from animal models to human trials. Department of Communication Disorders, University of South Florida, Tampa, FL.
61. **Le Prell, C.G.** (2014, December). Development of a therapeutic to protect the inner ear: from animal models to human trials. RediZONE symposium, Northeast Ohio Medical University.
62. **Le Prell, C.G.** (2014, November). Development of a therapeutic to protect the inner ear: from animal models to human trials. Annual convention, American Speech Language Hearing Association, Orlando, FL.
63. **Le Prell, C. G.** and Lobarinas, E. L. (2014, November). Presentation from the University of Florida on its American Suppressor Association effort: Attenuation of firearm discharge with suppressor devices. Presented at working meeting of the Land Capability Group Dismounted Soldier Systems (LCGDSS) Weapons and Sensors working group, dedicated Team of Experts for the development of addendum to the NATO D/14 small arms testing manual.

64. **Le Prell, C.G.** (2014, October). Development of therapeutics to prevent acquired hearing loss: animal data and human trials. Department of Experimental Pathology, Beijing Institute of Radiation Medicine, Beijing, China.
65. **Le Prell, C.G.** (2014, October). Development of therapeutics to prevent acquired hearing loss: animal data and human trials. Department of Nanomedicine, Chian National Academy of Nanotechnology & Engineering, Tianjin, China.
66. **Le Prell, C.G.** (2014, August). Development of a therapeutic to protect the inner ear: from animal models to human trials. International Hearing Aid Research Conference: IHCON 2014, Granlibakken Conference Center, Tahoe City, CA.
67. **Le Prell, C.G.** (2014, August). Outcomes and lessons learned from previous clinical trial PI's. United States Department of Defense, Hearing Center of Excellence, Conference on Pharmacological Interventions for Hearing Loss, Baltimore, MD.
68. **Le Prell, C.G.** (2014, July). Development of therapeutics that protect the inner ear. Keynote lecture at the Joint Meeting of the Midwest Auditory Research Conference and the Midwest Auditory Neuroscience Symposium, Washington University, St. Louis, MO.
69. **Le Prell, C.G.** (2014, April). Development of therapeutics that protect human hearing. Callier Center for Communication Disorders, University of Texas, Dallas, TX.
70. **Le Prell, C.G.** (2014, January). Development of a therapeutic to protect the inner ear: From animal models to human trials. Georgia Academy of Audiology, Atlanta, GA.
71. **Le Prell, C.G.** (2013, August). The mechanisms of ototoxicity. Florida Academy of Audiology, Orlando, FL.
72. **Le Prell, C.G.** (2013, July). Development of a therapeutic to protect the inner ear: From animal models to human trials. Student Academy of Audiology, University of North Colorado.
73. **Le Prell, C.G.** (2013, June). Oxidative stress defines a common pathway to cell death in the inner ear. Invited session on New Concepts in Otology & Neuro-Otology Research; 20th World Congress of the International Federation of Otorhinolaryngological Societies, Seoul, South Korea.
74. **Le Prell, C.G.** (2013, March). Development of a therapeutic to protect the inner ear: From animal models to human trials. Keynote lecture at the Joint Defense/Veterans Audiology Conference, Nashville, TN.
75. **Le Prell, C.G.** (2012, December). Development of a therapeutic to protect the inner ear: From animal models to human trials. Keynote lecture at the 120th anniversary of the Nanjing Drum Tower Hospital, Nanjing University Medical School, Nanjing, China.
76. **Le Prell, C.G.** (2012, October). Development of a therapeutic to protect the inner ear: From animal models to human trials. Translational Science Research Seminar Series, Alfred I. duPont Hospital for Children, Nemours Biomedical Research, Wilmington, DE.
77. **Le Prell, C.G.** (2012, August). Clinical studies overview, United States Department of Defense, Hearing Center of Excellence, Conference on Pharmacological Interventions for Hearing Loss, Baltimore, MD.
78. **Le Prell, C. G.** (2012, June). Dietary supplements for protection of the inner ear. Audio Engineering Society, 47th International Conference: Music-Induced Hearing Disorders: New Technologies for Measurement and Protection. Chicago, Illinois.
79. **Le Prell, C.G.** (2012, April). Otoprotection: Emerging therapies for protection against acquired hearing loss, Brazilian Academy of Audiology, Bauru, Brazil.
80. **Le Prell, C.G.** (2012, April). Hearing levels in college students: are digital music players harming young adult hearing levels? Brazilian Academy of Audiology, Bauru, Brazil.

81. **Le Prell, C.G.** (2011, October). Development of a therapeutic to protect the inner ear: From animal models to human trials, Hearing and Chemical Senses Seminar Series, Kresge Hearing Research Institute, University of Michigan.
82. **Le Prell, C.G.** (2011, September). Development of a therapeutic to protect the inner ear: From animal models to human trials, Department of Otolaryngology/Central Institute for the Deaf, Washington University.
83. **Le Prell, C. G.** (2011, July). Healthy diets and dietary supplements: recent changes in how we might think about hearing conservation. Plenary session at the 10th International Congress on Noise as a Public Health Problem, London, UK, organized by the UK Institute of Acoustics on behalf of the International Commission on the Biological Effects of Noise (ICBEN).
84. **Le Prell, C. G.** and Campbell, K. C. M. (2011, April). Otoprotective agents: On the threshold of clinical use. Jointly presented as Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology). ProgramNOW!, page 116.
85. Campbell, K. C. M. and **Le Prell, C. G.** (2011, April). Mechanisms of drug and noise induced hair cell death. Jointly presented as Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology). ProgramNOW!, page 114.
86. **Le Prell, C. G.** (2011, March). Noise-induced hearing loss: from animal models to human trials. Keynote Speaker, National Organization for Hearing Research.
87. **Le Prell, C. G.** (2010, August). Noise-induced hearing loss: from animal models to human trials. The Effects of Noise on Aquatic Life: 2nd International Conference; Cork Ireland.
88. **Le Prell, C. G.** (2010, April). Noise-induced hearing loss: from animals to humans. Special Session on Effects of Anthropogenic Noise on Aquatic Animals. Presented at the joint meeting of the 159th Meeting of the Acoustical Society of America and 26th annual conference of the Institute of Noise Control Engineering. Journal of the Acoustical Society of America, 127, 1754.
89. **Le Prell, C. G.**, Ohlemiller, K. K., Dolan, D. F., and Miller, J. M. (2010, April). Development of therapeutics to protect the inner ear: support from animal models. Special Session on Noise-Induced Hearing Loss: From Physiology to Prevention. Presented at the joint meeting of the 159th Meeting of the Acoustical Society of America and 26th annual conference of the Institute of Noise Control Engineering. Journal of the Acoustical Society of America, 127, 1747.
90. Campbell, K. C. M. and **Le Prell, C. G.** (2010, April). Otoprotective agents: translation from bench to bedside. Jointly presented as Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology). ProgramNOW!, page 123.
91. **Le Prell, C.G.** (2009, September). Technology transfer: developing otoprotective agents as commercial products. EuroHear Theoretical Training Course on Inner Ear Therapy. Padova, Italy.
92. **Le Prell, C.G.** (2009, September). Translational research: taking otoprotective agents from bench to bedside. EuroHear Theoretical Training Course on Inner Ear Therapy. Padova, Italy.
93. **Le Prell, C.G.** (2009, September). Development of therapeutics to protect the inner ear: support from animal models. EuroHear Theoretical Training Course on Inner Ear Therapy. Padova, Italy.

94. **Le Prell, C.G.** (2008, April). Prevention of noise-induced hearing loss using anti-oxidant strategies. Karolinska Institutet, Sweden.
95. **Le Prell, C.G.** and Miller, J.M. (2007, February). Development of a micronutrient combination for prevention of noise-induced hearing loss. Association for Research in Otolaryngology, Short Course, Translational Research in Otolaryngology.
96. **Le Prell, C.G.** and Miller, J. M. (2006, November). A combination of dietary antioxidants and magnesium prevents noise-induced hearing loss and sensory cell death, the 2nd Shanghai International Conference on Physiological BioPhysics – Audition and Vision, Shanghai, People’s Republic of China.
97. **Le Prell, C.G.** (2006, May). Lateral olivocochlear neurons: their role in auditory function, Department of Otolaryngology/Central Institute for the Deaf, Washington University.
98. **Le Prell, C.G.** (2006, May). Mechanisms of noise-induced hearing loss suggest multiple methods of prevention, Fourth Annual Horst R. Konrad Resident/Alumni Research Day, Division of Otolaryngology, Southern Illinois University School of Medicine.
99. **Le Prell, C.G.** (2006, May). Lateral olivocochlear neurons: their role in auditory function, Department of Pharmacology, Southern Illinois University School of Medicine.
100. **Le Prell, C.G.** (2005, October). Mechanisms and prevention of noise-induced hearing loss, Department of Communicative Disorders, University of Florida.
101. **Le Prell, C.G.** (2005, September). Lateral olivocochlear neurons: their role in auditory function, Department of Communicative Disorders, University of Florida.
102. **Le Prell, C.G.** (2002, April). Evidence that tone-like percepts are produced by electrical stimulation of cochlear outer hair cells, Keynote Speaker, Second Annual Symposia on Undergraduate Research, University of Minnesota, Morris.
103. **Le Prell, C.G.** (2001, October). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Hearing and Chemical Senses Seminar Series, Kresge Hearing Research Institute, University of Michigan.
104. **Le Prell, C.G.** (2001, June). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Inserm U254, University of Montpellier, France.
105. **Le Prell, C.G.** (2001, April). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Hearing Research Laboratory, University of Buffalo.
106. **Le Prell, C.G.** (2001, April). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Department of Communication Disorders, Texas Technical University Health Sciences Center.

Invited “Webinar” On-line Presentations:

1. **Le Prell, C.G.** (2023, December). Noise-induced hearing disorders: Hidden and not-so-hidden injuries. Audiology On-line.
2. **Le Prell, C.G.** (2023, May). Development of inner ear medicines for threshold and supra-threshold indications, Canadian Academy of Audiology.
3. **Le Prell, C.G.** (2019, June). Cochlear synaptopathy: Potential functional implications for musicians and other performing artists, Audiology On-line.
4. **Le Prell, C.G.** and Fulbright, A. (2019, January). Relationships between recreational noise exposure and auditory function, Audiology On-line.

University of Florida Invited Presentations:

1. **Le Prell, C.G.** (2012, September). Prevention of acquired hearing loss: antioxidants and other novel strategies: Resident Research Opportunities. Department of Otolaryngology, University of Florida.
2. **Le Prell, C.G.** (2011, September). Prevention of acquired hearing loss: antioxidants and other novel strategies: Resident Research Opportunities. Department of Otolaryngology, University of Florida.
3. **Le Prell, C.G.** (2011, March). Development of therapeutics to protect the inner ear: From animal models to human trials. Institute on Aging, Aging and Rehabilitation Interdisciplinary Seminar Series.
4. **Le Prell, C.G.** (2010, September). Prevention of acquired hearing loss: antioxidants and other novel strategies: Resident Research Opportunities. Department of Otolaryngology, University of Florida.
5. **Le Prell, C.G.** (2010, March). Development of Therapeutics to Protect the Inner Ear: From Animal Models to Human Trials. VA, Center for Neurophysiological Studies.
6. **Le Prell, C.G.** (2009, May). Mechanisms of ototoxicity: antioxidant strategies for protection. Grand Rounds, Department of Pediatrics, University of Florida.
7. **Le Prell, C.G.** (2008, October). Mechanisms of noise-induced hearing loss and novel strategies for protection of the inner ear. College of Engineering, University of Florida.
8. **Le Prell, C.G.** (2008, October). Hearing research: opportunities and advances. Undergraduate National Student Speech Language Hearing Association (NSSLHA), University of Florida.
9. **Le Prell, C.G.** (2008, September). Prevention of noise-induced cell death: antioxidants and other novel strategies: Resident Research Opportunities. Department of Otolaryngology, University of Florida.
10. **Le Prell, C.G.** (2008, September). Mechanisms of noise-induced hearing loss: antioxidant strategies for protection. Audiology Grand Rounds; Department of Communicative Disorders, University of Florida.
11. **Le Prell, C.G.** (2008, January). Prevention of noise-induced hearing loss using antioxidant strategies. Bachelor of Health Science Honors Seminar, College of Public Health and Health Professions, University of Florida.
12. **Le Prell, C.G.** (2007, October). Prevention of noise-induced hearing loss using antioxidant strategies. Department of Psychology, University of Florida.
13. **Le Prell, C.G.** (2007, October). Prevention of noise-induced hearing loss using antioxidant strategies. Audiology Grand Rounds; Department of Communicative Disorders, University of Florida.
14. **Le Prell, C.G.** (2007, September). Prevention of noise-induced hearing loss using antioxidant strategies: Resident Research Opportunities. Department of Otolaryngology, University of Florida.

J. CLASSROOM TEACHING**Assigned Courses**

AUD 6305, Anatomy and Physiology of Audition. University of Texas at Dallas. Taught: Fall 2016, 2017, 2018, 2019, 2020 (virtual learning due to COVID-19), 2021.

AUD 7205, Auditory Pharmacology. University of Texas at Dallas. Taught: Spring 2018, 2020, 2022.

AUD 7228, Hearing Loss Prevention. University of Texas at Dallas. Taught: Spring 2016, 2017, 2019, 2021 (virtual learning due to COVID-19), 2023.

AUD 7339, Evidence Based Practice in Communication Disorders. University of Texas at Dallas. Taught: Fall 2015.

HCS 7326 Seminar in Hearing Science. University of Texas at Dallas. Taught: Fall 2022.

SPA 6300, Introduction to Graduate Research. University of Florida.
Taught: Spring, 2010; 2011; Fall 2011, 2012, 2013, 2014.

SPA 6815, Current Issues in Audiology. University of Florida.
Taught: Spring 2014.

SPA 7353, Occupational and Environmental Hearing Conservation. University of Florida Distance Learning Program. Taught: Summer 2011; Spring 2013, 2016, 2019; Summer 2014, 2017.

SPA 7354, Hearing Conservation. University of Florida.
Taught: Spring 2011; Spring 2013; Spring 2015.

SPA 7833, Audiology Research Project. University of Florida.
Taught: Fall, 2009; 2010; 2011, 2014; Summer 2012, 2013, 2014.

University of Texas Classroom Guest Lectures

October, 2016. Pharmacology and ototoxicity for audiologists. AUD 7240 Audiology Special Topics (Ross Roeser, Instructor).

August, 2016. Literature reviews and critical thinking skills. AUD 7338 Research Methods in Audiology (Carol Cokely, Instructor).

October, 2015. Pharmacology and ototoxicity for audiologists. AUD 7240 Audiology Special Topics (Ross Roeser, Instructor).

University of Florida Classroom Guest Lectures

October, 2014. Protecting the ear against age, noise, and other insults. GMS 6417. Integrative Aging Physiology (Shinichi Someya, Instructor).

October, 2012. Development of a therapeutic to protect the inner ear: From animal models to human trials. GMS 6417. Integrative Aging Physiology (Christy Carter, Instructor).

October, 2011. Protecting the ear against age, noise, and other insults. GMS 6417. Integrative Aging Physiology (Christy Carter, Instructor).

January, 2011. Introduction to the Inner Ear. PSY4934. Psychobiology of hearing. (David Smith, Instructor).

November, 2010. Auditory efferent system; Ascending auditory pathway; Auditory afferents: Physiology (3 lectures). SPA 3032, Fundamentals of Hearing (Mini Shrivastav, Instructor).

March, 2010. Development of therapeutics to protect the inner ear: animal models. SPA 7354 Seminar in Noise Control (Ken Gerhardt, Instructor).

March, 2010. Development of therapeutics to protect the inner ear: human trials. SPA 7354 Seminar in Noise Control (Ken Gerhardt, Instructor).

January, 2010. Development of therapeutics to protect the inner ear. SPA 7353 Occupational and Environmental Hearing Conservation (Ken Gerhardt, Instructor).

October, 2009. Assessment of auditory function: electrophysiological paradigms. SPA 5102 Anatomy and Physiology of the Auditory System (Mini Shrivastav, Instructor).

- March, 2009. Preventing drug-induced ototoxicity using antioxidant agents. SPA 6905 Current Issues in Audiology (Scott Griffiths, Instructor).
- February, 2009. Human clinical trials to evaluate potential prevention of noise-induced hearing loss. SPA 7354 Seminar in Noise Control (Ken Gerhardt, Instructor).
- January, 2009. Third year research. SPA 6300 Introduction to Graduate Research (Scott Griffiths, Instructor).
- October, 2008. Auditory efferent systems. SPA 5102 Anatomy and Physiology of the Auditory System (Scott Griffiths, Instructor).
- May, 2008. Mechanisms of noise-induced hearing loss: antioxidant strategies for protection. SPA 7353 Occupational and Environmental Hearing Conservation (Ken Gerhardt, Instructor).
- May, 2008. Noise Standards: is an update in order? SPA 7353 Occupational and Environmental Hearing Conservation (Ken Gerhardt, Instructor).
- March, 2008. Lateral olivocochlear neurotransmitters: new directions. SPA 6805 Introduction to Graduate Research (Scott Griffiths, Instructor).

Other Teaching Experience

- 1996: **Graduate Student Instructor**, University of Michigan.
Introduction to Biopsychology (Supervisor: Kent Berridge, Ph.D.)
- 1991-1993: **Teaching Assistant**, University of Minnesota, Morris.
General Psychology I (Supervisor: Jeffrey Ratliff-Crain, Ph.D.)
General Psychology II (Supervisor: Jeffrey Ratliff-Crain, Ph.D.)
Research Methods in Psychology (Supervisor: Thomas Johnson, Ph.D.)
Sensation and Perception (Supervisor: Thomas Johnson, Ph.D.)
Cognitive Psychology (Supervisor: Thomas Johnson, Ph.D.)

K. RESEARCH MENTORING/OTHER TEACHING

2016-present: University of Texas at Dallas.

Post-Doctoral Fellow Supervision

Mitchell Frye (2018-2019; jointly mentored with Dr. Edward Lobarinas)

PhD Student Research Project Supervision

Allison Woodford (2021-)
Aaron Cochran (2020-)
Conner Jansen (2020-)
Celia Escabi (2017- 2022; jointly mentored with Dr. Edward Lobarinas)
Sarah Grinn (2017-2019)
Katherine Wiseman (2016-2017)

PhD Student, Secondary Mentor for First PhD Project

Andie Zang (2021-2022)
Aastha Trehan (2021-2022)

AuD Graduate Student Research Project Supervision

Emily Myers (2022-)
Amanda Duren (2022-)
Annabelle Bole (2021-2022)
Kay Ideker (2020-2021)

Abby Sears (2020-2021)
Arielle Iola (2018-2019)
Sarah Gittleman (2018-2019)
Logan Honea (2018-2019)
Tess Zaccardi (2017-2018)
Jason Baker (2016-2017)
Tyler Caldwell (2016-2017)

AuD Externship Clinical Research Supervision

Sarah Grinn (2016-2017)

Graduate Student Research Assistants, AuD Program

Azalea Coste (2023-)
Shamine Alves (2022-)
Darchayla Lewis (2022)
Lindee Alvarez (2021-2022)
Emily Myers (2021-)
Amanda Duren (2020-)
Victoria Hanks (2020-2023)
Kortney Bush (2019)
Aaron Cochran (2019-2020)
Conner Jansen (2019-2020)
Kay Ideker (2018-2021)
Abby Sears (2018-2021)
Arielle Iola (2017-2020)
Sarah Gittleman (2017-2020)
Tess Zaccardi (2016-2019)
Kaitlin Palmer (2015-2018)

Undergraduate Student Research Projects

Zein Rahman (2018)

Summer Undergraduate Research Fellowship (SURF) Mentoring

Stefani Garcia, Case Western Reserve University (2023)
Haila Reed, Hampton University (2023)
Serena Wheeler, Case Western Reserve University (2023)
Destyn Williams, Hampton University (2023)
Chanel Hudson, Hampton University (2023)
Katherine Pereda Amores, Hampton University (2023)

2007-2016: University of Florida.

Graduate Student Research Assistants, PhD Program

Angela Fulbright (2014-2016)
Karessa White (2012-2014)
Shawna Dell (2010)

AuD Graduate Student Research Project Supervision

Ian Boyle and Mitch Aquilina (spring 2015)
Kellie Brooke, Sarah Grinn, and Sarah Hardison (spring 2015)
Chrisanda Sanchez and Erika Ortiz (summer 2014)

Katelyn DiPietro and Lindsay May (summer 2013)
 Peggy Warner and Caitlin Simmons (summer 2013)
 Diana Guercio, Vicki Ledon, and Yunea Park (summer, 2012)
 Melissa Auchter (summer, 2012)
 Daniel (Rud) Nast and William Speer (summer, 2012)
 Amy Badstubner and Kari Morgenstein (fall, 2011)
 Danielle Rosier (fall, 2010)
 Ryan Broyles and Kent Flanagan (fall, 2009)

Graduate Student Research Assistants, AuD Program

Victoria Martin (2015)
 Sara Stepper (2015)
 Mitch Aquilina (2014-2015)
 Ian Boyle (2014-2015)
 Ryan Funderburk (2014-2015)
 Casandra Sanchez (2014-2015)
 Erika Ortiz (2013-2015)
 Lindsey May (2014)
 Caitlin Simmons (2012-2014)
 Diana Guercio (2012-2013)
 Vicki Ledon (2012-2014)
 Yunea Park (2012-2013)
 Danielle Rosier Youngstrom (2010-2011)
 Sebastian de la Calle (2009-2012)
 Kari Morgenstein (2009-2012)
 Marissa Rosa (fall, 2009)
 Jason Schmitt (2008-2009)
 Brittany Sakowicz (2008-2009)
 Lindsey Willis (2007-2009)

Graduate Student Research Assistants, Master of Science

Dustin Lang (2009-2010)

Thesis: Activation of Caspase-2 following noise exposure, and the effect of antioxidant vitamins A, C, and E, plus magnesium on noise-induced oxidative stress and activation of caspases -2 and -8.

Undergraduate Honors Project/Thesis Supervision

Alamea (DeeDee) Goldstein, Department of Psychology (fall, 2011)

Thesis: Attenuation of amikacin-induced hearing loss via diet supplement in guinea pigs

Eric Rudnick, Bachelor of Health Science Program (2010-2011)

Thesis: Attenuation of gentamicin-induced hearing loss via an enhanced diet in guinea pigs

Mark Nelson, Bachelor of Health Science Program (2010-2011)

Thesis: The effects of antioxidants in reducing gentamicin-induced hearing loss

Ashley Weimer Johnson, Bachelor of Health Science Program (2008-2009)

Thesis: The expression of caspase-2 in the inner ear as a result of acoustic trauma

Michael Goodson, Department of Psychology (2008-2009)

Thesis: Preventing noise-induced translocation of Endonuclease G in auditory hair cells by antioxidant therapy

ENT Resident Research Supervision, Department of Otolaryngology

Thomas Babcock, MD (spring, 2013)

Debbie Joseph, MD (fall, 2009 - spring, 2011)

Nader Kalantar, MD (fall, 2008)

Undergraduate Research Assistants

Arielle Darwin (2015)

Audriana Mendez-Posey (2015)

Taylor Reaves (2015)

Ariel Weiner (2015)

Tess Zaccardi (2015)

Brandie Smith (2013-2015)

Jessica Kelly (2013)

Erin Barr (2013)

Jenna Vallario (2013)

Sara Stepper (2013)

Alamea (DeeDee) Goldstein (2011-2012)

Jessica Santos (2010-2012)

Angela Vandoli (2010-2011)

Bianca Gomez (2009-2010)

Laura Jacobson (summer, 2008)

Laboratory Technicians

Justin Murray (September, 2009 – May, 2013)

Amanda Dossat (October, 2008 – July, 2009)

1995-2006: University of Michigan.

Supervised undergraduate research projects through the following programs:

Undergraduate Research Opportunities Program

Laboratories in Biopsychology

Field Practicum in Research Techniques/Natural Science

University of Michigan Hospital Volunteer and Community Resource Program

L. SCIENTIFIC SERVICE ACTIVITIES

- 2022- Member, Auditory System Study Section, National Institute of Health, Center for Scientific Review
- 2021- Member, Planning Committee, International Hearing Protector Fit-Testing Symposium
- 2021 Co-chair for Mechanisms of Memory and Sound Processing Special Emphasis Panel, National Institute of Health, Center for Scientific Review
- 2021- Chair, Scientific Advisory Board, Translational Hearing Center at Creighton University
- 2021- Editorial Board, Hearing Research
- 2020, 2021 Participant: World Health Organization - Consultation on mHealth Safe Listening Tool
- 2020 Participant, American Academy of Audiology Grant-Writing Panel (cancelled due to COVID-19)
- 2020- Associate Editor, Journal of the Acoustical Society of America
- 2017- Member, World Health Organization – International Telecommunication Union (WHO-ITU) Consultation on Make Listening Safe Campaign
- 2017- Member, National Occupational Research Agenda (NORA) Hearing Loss Prevention Cross Sector Council
- 2017-2020 Member, Safety and Occupational Health (SOH) Study Section, National Institute for Occupational Safety and Health (NIOSH)
- 2017 Guest Associate Editor, Ear & Hearing
- 2014 Invited attendee: working meeting of the Land Capability Group Dismounted Soldier Systems (LCGDSS) Weapons and Sensors working group, dedicated Team of Experts for the development of addendum to the NATO D/14 small arms testing manual
- 2014- Associate Editor, International Journal of Audiology

Ad hoc grant review:

- Action on Hearing Loss/Royal National Institute for Deaf People (RNID); London, England. (2008, 2010, 2012, 2013, 2014, 2017, 2018)
- Agir pour l'Audition – Acting for Hearing (2015)
- Medical Research Council (MRC) of South Africa (2012)
- Medical Research Council (MRC) of the United Kingdom (2015, 2018, 2019, 2021)
- National Institute for Occupational Safety and Health (NIOSH) (2010, 2011, 2014, 2015, 2016, 2021, 2022)
- National Institute of Health, Center for Scientific Review (NIH-NIDCD) (2011, 2012, 2013, 2014, 2018, 2020, 2021)
- US Army Medical Research and Materiel Command (USAMRMC), via American Institute of Biological Sciences (AIBS) (2011, 2012)
- US Navy, via American Institute of Biological Sciences (AIBS) (2011, 2012)
- US Veteran's Administration (2013, 2014)

Ad hoc manuscript review:

- Acta-Otolaryngologica (2009, 2011)
- American Journal of Audiology (2018, 2022)
- American Journal of Clinical Nutrition (2015)

American Journal of Industrial Medicine (2011)
American Journal of Perinatology (2017)
American Journal of Primatology (1997)
Audiology and Neurotology (2008, 2010, 2014)
Audiology Research (2104)
BioMed Central (BMC) Neuroscience (2012)
BMC Public Health (2021)
Brain, Behavior and Evolution (2001)
Brain Research (2003, 2004)
British Journal of Medicine and Medical Research (2013)
Drug Discovery Today (2014)
Ear and Hearing (2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021)
Environmental Science & Technology (2012)
European Archives of Oto-Rhino-Laryngology and Head & Neck (2012)
Expert Opinion on Drug Discovery (2020)
Frontiers in Neuroscience (2017, 2018, 2019)
Hearing Research (2005, 2006, 2007, 2008, 2009, 2010, 2011, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)
International Archives of Otorhinolaryngology (2017)
International Journal of Audiology (2009, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)
International Journal of Molecular Sciences (2015)
Journal of the American Academy of Audiology (2015, 2016, 2017, 2021, 2022)
Journal of the Acoustical Society of America (1999, 2000, 2001, 2002, 2007, 2010, 2015, 2017, 2018)
Journal of the American Aging Association (2015)
Journal of the Association for Research in Otolaryngology (2006, 2007, 2008, 2009, 2010, 2013, 2014, 2015, 2017)
Journal of Communication Disorders (2019)
Journal of Comparative Psychology (2002)
Journal of Ear, Nose, and Throat Disorders (2017)
Journal of International Medical Research (2017)
Journal of Neurochemistry (2005)
Journal of Neurophysiology (2005, 2006)
Journal of Occupational Medicine and Toxicology (2011)
Journal of Physical Education and Sports Management (2011)
Journal of Speech, Language, and Hearing Research (2013, 2015, 2021, 2022, 2023)
Language, Speech, and Hearing Services in Schools (2014)
Laryngoscope (2010)
Magnesium Research (2012)
Nature (2009, 2012)
Neurochemistry International (2013)
Neuroscience (2018)
Neuroscience Letters (2014, 2015, 2018)
Neuroscience Research (2013)
Noise and Health (2013)
Nutritional Neuroscience (2014)

Physiology & Behavior (2018)
 PLOS ONE (2012, 2013, 2014, 2018)
 Pflügers Archiv – European Journal of Physiology (2013)
 Redox Report (2014)
 Scientifica (2014)
 Seminars in Hearing (2022)
 Trends in Hearing (2018)
 Tropical Life Sciences Research (2014)

M. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Acoustical Society of America
 American Academy of Audiology
 American Auditory Society
 American Speech-Language Hearing Association
 Association for Research in Otolaryngology
 National Hearing Conservation Association

N. COMMITTEE AND ADMINISTRATIVE SERVICE

Department, College, and University Service

2023- (Founding) Director, Clinical Trials Unit, University of Texas at Dallas.

2020- (Inaugural) Department Head, Speech, Language, and Hearing, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2020 Co-Chair, Faculty Search Committee: Three Tenure Stream Positions in Speech, Language, and Hearing, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2020 Member, Faculty Search Committee: Executive Director of the Callier Center for Communication Disorders, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2020- PhD Program Head, Communication Sciences and Disorders, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2020 Area Head, Communication Sciences and Disorders, School of Behavioral and Brain Sciences, University of Texas at Dallas. [Communication Sciences and Disorders Area Reorganized as Department of Speech, Language, and Hearing, August 17, 2020]

2018 Chair, Faculty Search Committee. Audiology Program, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2017 Member, Ad Hoc Committee on Departmentalization, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2016 Chair, Faculty Search Committee. Audiology Program, School of Behavioral and Brain Sciences, University of Texas at Dallas.

2015-2019 AuD Program Head, School of Behavioral and Brain Sciences, University of Texas at Dallas.

- 2014-2015 Interim Chair, Department of Speech, Language, & Hearing Sciences, University of Florida.
- 2013 Member, Strategic Planning Committee; Department of Speech, Language, & Hearing Sciences, University of Florida.
- 2011 Chair, Faculty Search Committee. Department of Speech, Language, & Hearing Sciences, University of Florida.
- 2010-2014 Member, Curriculum Committee; Department of Speech, Language, & Hearing Sciences, University of Florida.
- 2010 Chair, Faculty Search Committee. Department of Speech, Language, & Hearing Sciences, University of Florida.
- 2009- 2011 Member, Collaboration Committee; College of Public Health and Health Professions, University of Florida.
- 2009 Member, Search Committee; Dean of the College of Public Health and Health Professions, University of Florida.
- 2009 Member, Strategic Planning Ad Hoc Committee; College of Public Health and Health Professions, University of Florida.
- 2013-2014 Member, Research Committee; College of Public Health and Health Professions, University of Florida.
- 2009-2013 Chair, Research Committee; College of Public Health and Health Professions, University of Florida.
- 2008-2009 Member, Research Committee; College of Public Health and Health Professions, University of Florida.
- 2008 Member, CEPH Task Force on model of inter-disciplinary collaboration; College of Public Health and Health Professions, University of Florida.
- 2007-2008 Member, Faculty Search Committee. Department of Communication Sciences & Disorders, University of Florida.
- 1997-2001 Graduate Student/Post-Doctoral Fellow Representative to the Kresge Hearing Research Institute, University of Michigan.
- 1997-1998 Departmental Associate, Department of Psychology, University of Michigan.
- 1995-1996 Member, Career Development Action Group, Diversity Committee, Department of Otolaryngology, University of Michigan.
- 1992-1993 Chairperson, Division of Social Science Student Advisory Committee, University of Minnesota, Morris.
- 1992-1993 Psychology Student Representative to the Division of Social Science, University of Minnesota, Morris.

National Service to Professional Societies

- 2023- Leadership advisory team, National Hearing Conservation Association.

- 2022- Steering Committee, International Fit-Testing Symposium, National Hearing Conservation Association.
- 2021-2023 Co-editor for journal supplement on behalf of Department of Defense Hearing Center of Excellence (DoD HCE) Pharmaceutical Interventions for Hearing Loss (PIHL) committee: working group on patient outcomes.
- 2020 Strategic planning committee, National Hearing Conservation Association.
- 2019-2022 American Academy of Audiology Foundation, Board Member.
- 2019-2022 Leadership advisory team, National Hearing Conservation Association.
- 2018-2019 Co-editor for journal supplement on behalf of Department of Defense Hearing Center of Excellence (DoD HCE) Pharmaceutical Interventions for Hearing Loss (PIHL) committee: working group on Noise.
- 2018-2019 Member, American Academy of Audiology Task Force on the Role of Audiologists in the Provision of Pharmaceutical Agents for the Prevention or Treatment of Hearing Loss.
- 2018-2019 Member, American Academy of Audiology Musician Task Force for Best Practices for Working with Musicians.
- 2018-2019 Past President, National Hearing Conservation Association.
- 2018 Member, American Speech, Language, and Hearing Association Standardization of Externship working group.
- 2017-2018 Member, National Hearing Conservation Association (NHCA) Task Force on Prevention of Music-Induced Hearing Disorders.
- 2017-2018 President, National Hearing Conservation Association.
- 2016-2017 President Elect, National Hearing Conservation Association.
- 2014- Task Force Liaison, National Hearing Conservation Association.
- 2012-2014 Director of Education, National Hearing Conservation Association.
- 2011 Member, Council for Accreditation in Occupational Hearing Conservation, Committee to update the CAOHC Hearing Conservation Manual
- 2010-2011 Program Chair, 36th Annual Conference of the National Hearing Conservation Association.
- 2011-2014 Chair, Membership Committee; Association for Research in Otolaryngology.
- 2009- 2011 Member, Membership Committee; Association for Research in Otolaryngology.

Thesis Committee Leadership

- 2021- Chair, Thesis Committee. Allison Woodford, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.
- 2020- Chair, Thesis Committee. Aaron Cochran, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.

- 2020- Chair, Thesis Committee. Conner Jansen, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.
- 2017-2022 Co-Chair, Thesis Committee. Celia Escabi, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.
- 2017-2019 Chair, Thesis Committee. Sarah Grinn, candidate for the Degree of Doctor of Philosophy in Communication Sciences and Disorders, University of Texas at Dallas.
- 2014-2015 Co-Chair, Thesis Committee. Karessa White, candidate for the Degree of Doctor of Philosophy in the College of Public Health and Health Professions, Department of Speech, Language, and Hearing Sciences, University of Florida.
- 2012-2014 Chair, Thesis Committee. Karessa White, candidate for the Degree of Doctor of Philosophy in the College of Public Health and Health Professions, Department of Speech, Language, and Hearing Sciences, University of Florida.
- 2009-2010 Chair, Thesis Committee. Dustin Lang, candidate for the Degree of Master of Science in Molecular Genetics and Microbiology, University of Florida.

Thesis Committee Membership

- 2022- Member, Thesis Committee. Andie Zang, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.
- 2021- Member, Thesis Committee. Monica Trevino, candidate for the Degree of Doctor of Philosophy in Speech, Language, and Hearing Sciences, University of Texas at Dallas.
- 2020-2021 Member, Thesis Committee. Stephanie Fowler, candidate for the Degree of Doctor of Philosophy in Communication Sciences and Disorders, University of Texas at Dallas.
- 2015-2017 Member, Qualifying Examination Committee. Kathryn Wiseman, candidate for the Degree of Doctor of Philosophy Communication Sciences and Disorders, University of Texas at Dallas.
- 2015-2017 Member, Thesis Committee. Tanisha Hammill, candidate for the Degree of Doctor of Philosophy in the Joint Translational Science Program: UT Science Center San Antonio, University of Texas at San Antonio, University of Texas at Austin, University of Texas Health Science Center at Houston.
- 2013-2015 Member, Thesis Committee. Cory Nickchen, candidate for the Degree of Doctor of Philosophy in the Graduate School of Architecture, program in Building and Environmental Acoustics, University of Florida.
- 2013-2016 Member, Thesis Committee. Angela Fulbright, candidate for the Degree of Doctor of Philosophy in the College of Public Health and Health Professions, Department of Speech, Language, and Hearing Sciences, University of Florida.
- 2012-2014 Member, Thesis Committee. Kyle Stratis, candidate for the Degree of Doctor of Philosophy in the College of Liberal Arts and Sciences, Department of Psychology, University of Florida.

- 2011-2014 Member, Thesis Committee. Sridhar Srinivastan, candidate for the Degree of Doctor of Philosophy in the College of Liberal Arts and Sciences, Department of Psychology, University of Florida.
- 2011 Member, Thesis Committee. Hector Galloza, candidate for the Degree of Doctor of Philosophy in the College of Engineering, University of Florida.
- 2010-2012 Member, Thesis Committee. Shawna Dell, candidate for the Degree of Doctor of Philosophy in the Department of Speech, Language, and Hearing Sciences, University of Florida.
- 2010 Member, Thesis Committee. Ryan Keith, candidate for the Degree of Master of Art in the Department of Psychology, University of Florida.
- 2009-2011 Member, Thesis Committee. Brittany Hensley, candidate for the Degree of Doctor of Philosophy in the Department of Speech, Language, and Hearing Sciences, University of Florida.

Thesis Examiner

- 2008 Thesis Examiner, for Andrew Richard Garrett, candidate for the Degree of Doctor of Philosophy in the Discipline of Physiology. *“The Actions of Dopamine Receptors on Sound-Evoked and Spontaneous Activity in the Inner Ear.”* (School of Biomedical, Biomolecular and Chemical Senses, The University of Western Australia.)