### **Colleen Garbe Le Prell**

#### A. PERSONAL DATA

| Business address: | Department of Speech, Language, and Hearing Sciences<br>P.O. Box 100174<br>University of Florida<br>Gainesville, FL 32610 |
|-------------------|---|
| Electronic Mail:  | colleeng@ufl.edu  |
| Phone (Office):   | (352) 273-6163  |
| Citizenship:      | USA   |

### **B. EDUCATION**

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

# C. POSTDOCTORAL TRAINING

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

### **D. PROFESSIONAL APPOINTMENTS**

| 2001-2007 | Research Investigator, Kresge Hearing Research Institute, Department of         |
|-----------|---|
|           | Otolaryngology, University of Michigan.   |
| 2006-2010 | Consultant to OtoMedicine, Inc. Ann Arbor, Michigan. Key accomplishments        |
|           | include developing multiple successfully funded proposals for pre-seed funding, |
|           | two funded NIH Phase I SBIRs (R43 DC008710; R43 DC009106), and one              |
|           | funded NIH Phase II SBIR (R44 DC009106).  |
| 2007-     | Associate Professor, Department of Communicative Disorders, College of Public   |
|           | Health and Health Professions, University of Florida. In 2009, Department of    |
|           | Communicative Disorders and Department of Communication Sciences &              |
|           | Disorders merged, and formed the Department of Speech, Language, and Hearing    |
|           | Sciences.   |
| 2007-     | Director, The Hearing Research Center, University of Florida.                   |
| 2008-     | Affiliate Associate Professor, Department of Rehabilitation Science, College of |
|           | Public Health and Health Professions, University of Florida.                    |
| 2009-     | Affiliate Associate Professor, Department of Otolaryngology, College of         |
|           | Medicine, University of Florida.  |
| 2010-2013 | Scientific Advisor, Hearing Health Sciences, Inc. Ann Arbor, Michigan.          |
| 7/1/2014  | Awarded Tenure, University of Florida.  |
| 9/2/2014- | Interim Chair, Department of Speech, Language, and Hearing Sciences, College    |
|           | of Public Health and Health Professions, University of Florida.                 |

### E. HONORS AND AWARDS

| 1989:             | Freshman Academic Scholarship, University of Minnesota, Morris                                 |
|-------------------|--|
| 1990, 1991, 1992: | Dean's List, University of Minnesota, Morris   |
| 1992, 1993:       | Psi Chi, National Honor Society of Psychology  |
| 1993:             | Scholar of the College, University of Minnesota, Morris  |
| 1998:             | Marquis Dissertation Award, University of Michigan (awarded                                    |
|                   | annually by the Department of Psychology, in recognition of the most outstanding dissertation) |
| 2006:             | Award from the NOHR selected as "The Sand Family Fund Grant                                    |
|                   | in Auditory Science"   |
| 2008:             | Organized Invited Symposium Session at Association for Research                                |
|                   | in Otolaryngology, 31 <sup>st</sup> Midwinter Meeting: "Noise-Induced                          |
|                   | Hearing Loss: From Molecules to Man."  |
| 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   |
| 2013:             | Organized Invited Symposium Session at Association for Research                                |
|                   | in Otolaryngology, 36 <sup>st</sup> Midwinter Meeting: "Noise-Induced                          |
|                   | Hearing Loss: Scientific Advances."  |
| 2013:             | Organized Invited Workshop at National Hearing Conservation                                    |
|                   | <i>Conference, 38<sup>th</sup> Meeting</i> : "Can't I just take a pill for that? What          |
|                   | every hearing health provider needs to know about NIHL and                                     |
|                   | emerging therapies."   |
| 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"   |
| 2015:             | Invited participant in the Discovery Zone Learning Lab on Hearing                              |
|                   | Loss Prevention, organized by Sharon Sandridge, for presentation                               |
|                   | at AudiologyNow!2015.  |

# F. GRANT and CONTRACT SUPPORT

#### **On-going:**

- 1. **American Suppressor Association.** Sound Level Attenuation Using Suppressors, **Colleen G. Le Prell**, Principal Investigator. 05/01/2014-2/28/2015.
- 2. **Sound Pharmaceuticals, Inc.,** Effects of Music-Player Use on Word-in-Noise Test Performance, **Colleen G. Le Prell**, Principal Investigator. 7/15/14-1/31/15.
- 3. **MaxSound, Inc.,** Perceptual Rating of Sound Quality and Listening Levels After Dynamic Manipulation Using MAX-D, **Colleen G. Le Prell**, Principal Investigator. 7/15/14-1/15/15.

 Edison Pharmaceuticals, Inc., A Phase 2A Randomized, Placebo Controlled, Double Blind Study of the Protective Effects of EPI-743 (Vincerinone<sup>TM</sup>) on Noise Induced Hearing Loss, Colleen G. Le Prell, Principal Investigator. 09/03/14-.

### Pending:

5. National Institute of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD) R43 DC009106, A new two-drug combination therapy for noise-induced hearing loss, Colleen G. Le Prell, Co-Investigator. Principal Investigator on Subcontract to University of Florida.

### **Completed:**

- 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.
- 7. **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.
- 8. **Sound Pharmaceuticals, Inc.,** Otoprotection with SPI-1005, **Colleen G. Le Prell**, Principal Investigator. 11/01/11-12/31/13: \$464,418 direct costs.
- 9. National Institute 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.
- National Institute 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.
- 11. **Sound Pharmaceuticals, Inc.,** Otoprotection with SPI-1005, **Colleen G. Le Prell**, Principal Investigator. 06/15/11-10/14/11: \$42,302 total direct cost.
- 12. National Institute 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.
- 13. National Institute 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.

- 14. **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.
- 15. **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.
- 16. **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).
- 17. National Institute 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.
- 18. **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.
- National Institute 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.
- 20. **Undergraduate Research Opportunities Program (UROP)**, Effects of Chlordiazepoxide on Fear Responses Induced by Novel Odors, **Colleen M. Garbe**, Principal Investigator. 1993: \$1100.
- 21. **Undergraduate Research Opportunities Program (UROP)**, Effects of Novel Odors on Defensive Aggression and Exploratory Behavior, **Colleen M. Garbe**, Principal Investigator. 1992: \$1100.

# G. BIBLIOGRAPHY

# **Peer-Reviewed Publications**

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

- Lobarinas, E., Blair, C., Spankovich, C., Le Prell, C.G. (in press). Partial to complete suppression of unilateral noise-induced tinnitus in rats after cyclobenzaprine treatment. *Journal of the Association for Research in Otolaryngology* 2014 Dec 20. [Epub ahead of print] PMID: 25526855
- 2. 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.
- 3. Nast, D.R.\*, Speer, W.\*, and **Le Prell, C.G.** (2014). Sound level measurements using smartphone "apps": Useful or inaccurate? *Noise and Health*, *16*(72):251-256.

- 4. Spankovich, C., **Le Prell, C.G.** (2014). Associations between dietary quality, noise, and hearing: data from the National Health and Nutrition Examination Survey, 1999-2002. *International Journal of Audiology, 53(11):796-809.*
- 5. 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.*
- 6. **Le Prell, C.G.**, Hughes, L. F., and Bledsoe, S.C. Jr. (2014). Dynorphin release by the lateral olivocochlear efferents may inhibit auditory nerve activity: a cochlear drug delivery study. *Neuroscience Letters*, *571: 17-22*.
- 7. Le Prell, C.G., Ojano-Dirain, C., Rudnick, E.W.\*, Nelson, M.A.\*, DeRemer, S.J., Prieskorn, D. M., Miller, J.M. (2014). Assessment of nutrient supplement to reduce gentamicin-induced ototoxicity. *Journal of the Association for Research in Otolaryngology*, 15(3):375-93.
- 8. Green, G.E., Le Prell, C.G., Miller, J.M., and Thatcher, A. (2014). ACEMg supplementation ameliorates progressive Connexin 26 hearing loss in a child. *International Journal of Pediatric Otorhinolaryngology*, *78*(*3*):563-5.
- 9. Spankovich, Griffiths, S., Lobarinas, E., Morgenstein, K. E., de la Calle, S. Ledon, V., Guercio, D., and **Le Prell, C. G.** (2014). Temporary threshold shift after impulse-noise during video game play: Laboratory data. *International Journal of Audiology, 53 Suppl* 2:S53-65.
- 10. Ojano-Dirain, C., Antonelli, P.J., and Le Prell, C.G. (2014). Mitochondria-targeted antioxidant MitoQ reduces gentamicin-induced ototoxicity. *Otology & Neurotology*, 35(3):533-539.
- 11. Le Prell, C.G., Spankovich, C., Lobarinas, E., Griffiths, S.K. (2013). Extended high frequency thresholds in college students: effects of music player use and other recreational noise. *Journal of the American Academy of Audiology*, 24(8):725-739.
- 12. Spankovich, C., Le Prell, C.G. (2013). Healthy diets, healthy hearing: National health and nutrition examination survey, 1999-2002. *International Journal of Audiology*, *52*(6):369-76.
- 13. Le Prell, C.G., Dell, S.,\* Hensley, B.N.,\* Hall, J.W.III, Campbell, K.C.M., Antonelli, P.J., Green, G.E., Miller, J.M., and Guire, K. (2012). Digital music exposure reliably induces temporary threshold shift (TTS) in normal hearing human subjects. *Ear & Hearing*, 33(6): e44-58.
- 14. Le Prell, C. G., Johnson, A.-C., Lindblad, A.-C., Skjönsberg, A., Ulfendahl, M., Guire, K., Green, G.E., Campbell, K.C.M., Miller, J.M. (2011). Increased vitamin plasma levels in Swedish military personnel treated with nutrients prior to automatic weapon training. *Noise Health* 13(55): 432-443.
- 15. 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.
- 16. Le Prell, C. G., Gagnon, P.M., Bennett, D.C., and Ohlemiller, K.K. (2011). Nutrientenhanced diet reduces noise-induced damage to the inner ear and hearing loss. *Translational Research*, *158*(*1*), *38-53*.

- 17. Le Prell, C. G., Dolan, D. F., Bennett, D.C., and Boxer, P.A. (2011). Nutrient plasma levels achieved during treatment that reduces noise-induced hearing loss. *Translational Research*, *158*(*1*), *54-70*.
- 18. Le Prell, C.G., Hensley, B.N.\*, Campbell, K.C.M., Hall, J.W.III, and Guire, K. (2011). Hearing outcomes in a "normally-hearing" college-student population: Evidence of hearing loss. *International Journal of Audiology, 50 Suppl 1, S21-31.*
- 19. Fu, B., Le Prell, C. G., Simmons, D., Lei, D., Schrader, A., Chen, A.B., and Bao, J. (2010). Age-related synaptic loss of the medial olivocochlear efferent innervations. *Molecular Neurodegeneration*, *5*, *53-61*.
- 20. Bledsoe, S.C. Jr., Koehler, S., Tucci, D.L., Zhou, J., **Le Prell, C.G.,** and Shore, S.E. (2009). Ventral cochlear nucleus responses to contralateral sound are mediated by 4 commissural and olivocochlear pathways. *Journal of Neurophysiology*, *102*(2), 886-900.
- 21. Miller, J.M., Le Prell, C.G., Prieskorn, D.M., Wys, N. L., and Altschuler, R.A. (2007). Delayed neurotrophin treatment following deafness rescues spiral ganglion cells from death and promotes regrowth of auditory nerve peripheral processes: Effects of brain-derived neurotrophic factor and fibroblast growth factor. *Journal of Neuroscience Research*, 85(9), 1959-1969.
- 22. Le Prell, C.G. (2007). A role for the lateral olivocochlear neurons in auditory function. Focus on "Selective removal of lateral olivocochlear efferents increases vulnerability to acute acoustic injury". *Journal of Neurophysiology* 97(2), 963-965.
- 23. Le Prell, C.G., Hughes, L.F., and Miller, J.M. (2007). A combination of dietary antioxidants and magnesium prevents noise-induced hearing loss and sensory cell death. *Free Radical Biology & Medicine*, 42(9), 1454-1463.
- 24. Le Prell, C.G., Yamashita, D., Minami, S., Yamasoba, T., and Miller, J.M. (2007). Mechanisms of noise-induced hearing loss indicate multiple methods of prevention, *Hearing Research*, 226(1-2), 22-43.
- 25. Le Prell, C.G., Kawamoto, K., Raphael, Y., and Dolan, D.F. (2006). Electromotile hearing: Evidence that intra-cochlear electrically stimulating the intact guinea pig cochlea produces tone-like percepts, *Journal of the Acoustical Society of America*, *120(6)*, *3889-3900*.
- 26. Yamashita, D., Jiang, H.-Y., **Le Prell, C. G.,** Schacht, J., Miller, J. M. (2005). Postexposure treatment attenuates noise-induced hearing loss. *Neuroscience*, 134(2), 633-642.
- 27. Le Prell, C.G., Halsey, K., Hughes, L. F., Dolan, D. F., and Bledsoe, S.C. Jr. (2005). Disruption of lateral efferent pathways via a dopaminergic neurotoxin depresses auditory nerve activity. *Journal of the Association for Research in Otolaryngology*, *6*(1), 48-62.
- Le Prell, C.G., Yagi, M., Kawamoto, K., Beyer, L. A., Atkin, G., Raphael, Y., Dolan, D. F., Bledsoe, S. C. Jr., and Moody, D. B. (2004). Chronic excitotoxicity in the guinea pig cochlea induces temporary functional deficits without disrupting otoacoustic emissions. *Journal of the Acoustical Society of America*, 116(2), 1044-1056.
- 29. Le Prell, C.G., Shore, S.E., Hughes, L.F., and Bledsoe, S.C. Jr. (2003). Disruption of lateral efferent pathways: Functional changes in auditory evoked responses. *Journal of the Association for Research in Otolaryngology*, *4*(2), 276-290.

- 30. Le Prell, C.G., Dolan, D.F., Schacht, J., Miller, J. M., Lomax, M., and Altschuler, R.A. (2003). Pathways for protection from noise-induced hearing loss. *Noise & Health*, *5*(20), *1-17*.
- 31. Le Prell, C.G. and Moody, D.B. (2002). Detection thresholds for intensity increments in a single harmonic of synthetic Japanese monkey coo calls. *Journal of Comparative Psychology*, *116*(*3*), 253-262.
- 32. Le Prell, C.G., Hauser, M., and Moody, D.B. (2002). Discrete or graded variation within rhesus monkey screams? Psychophysical experiments on classification. *Animal Behaviour*, 63(1), 47-62.
- 33. Le Prell, C.G., Niemiec, A.J., and Moody, D.B. (2001). Macaque thresholds for detecting increases in intensity: Effects of formant structure. *Hearing Research*, *162*(*1-2*), 29-42.
- 34. Le Prell, C.G. and Moody, D.B. (2000). Factors influencing the salience of temporal cues in the discrimination of Japanese monkey coo calls. *Journal of Experimental Psychology: Animal Behavior Processes*, *26*(*3*), 261-273.
- 35. Moody, D.B., **Le Prell, C.G.**, and Niemiec, A.J. (1998). Monaural phase discrimination by macaque monkeys: Use of multiple cues. *Journal of the Acoustical Society of America, 103(5 Pt 1), 2618-2623.*
- 36. Le Prell, C.G. and Moody, D.B. (1997). Perceptual salience of acoustic features of Japanese monkey coos. *Journal of Comparative Psychology*, *111*(*3*), 261-274.
- 37. Kemble, E.D., **Garbe, C.M.**, and Gordon, C. (1995). Effects of novel odors on intermale attack behavior in mice. *Aggressive Behavior*, *21*(4), 293-299.
- 38. **Garbe, C.M.** and Kemble, E.D. (1994). Effects of prior agonistic experience on risk assessment and approach behavior evoked by familiar or unfamiliar conspecific odors. *Aggressive Behavior, 20(2),* 143-149.
- 39. **Garbe, C.M.,** Rawleigh, J.M., Kemble, E.D., and Bursell, A.L. (1993). No effects of chlordiazepoxide on reactivity to conspecific or novel odors in mice. *Psychological Record*, *43*(2), 215-221.
- 40. **Garbe, C.M.,** Kemble, E.D. and Rawleigh, J.M. (1993). Novel odors evoke risk assessment and suppress appetitive behaviors in mice. *Aggressive Behavior*, *19*(6), 447-454.

# Edited Books

1. Le Prell, C. G., Henderson, D., Fay, R. R., and Popper, A. N. (2012). *Noise-Induced Hearing Loss: Scientific Advances, Springer Handbook of Auditory Research.* New York: Springer.

### **Edited Books (Under contract, in preparation)**

- 1. Miller, J., Le Prell, C. G., Rybak, L., and Armstrong, D. (Anticipated 2015). *Free Radicals in ENT Pathology, Oxidative Stress in Applied Basic Research and Clinical Practice.* New York: Springer.
- 2. Le Prell, C. G., Lobarinas, E., Fay, R. R., and Popper, A. N. (Anticipated 2015). *Translational Research in Audiology and the Hearing Sciences, Springer Handbook of Auditory Research.* New York: Springer.

### **Chapters in Books**

- 1. Lynch, E., Kil, J., and **Le Prell, C. G**. (Anticipated 2015). Human clinical studies in noise-induced hearing loss. To be published in **Le Prell, C. G.,** Lobarinas, E., Fay, R. R., and Popper, A. N. *Translational Research in Audiology and the Hearing Sciences, Springer Handbook of Auditory Research*. New York: Springer.
- 2. Le Prell, C. G. and Lobarinas, E. (Anticipated 2015). Strategies for assessing antioxidant efficacy in clinical trials. To be published in Miller, J., Le Prell, C. G., Rybak, L., and Armstrong, D. *Free Radicals in ENT Pathology, Oxidative Stress in Applied Basic Research and Clinical Practice*. New York: Springer.
- 3. Morata, T., **Le Prell, C. G.,** Spankovich, C.S., and Fuente, A. (Anticipated, 2014). Ototoxicity and otoprotectants. To be published in R. Neitzal (Ed.). *The Noise Manual, 6th edition*. American Industrial Hygiene Association.
- 4. **Le Prell, C. G.** (Anticipated, 2014). Recreational Noise. To be published in T. Y. Schulz and T. Hutchison (Eds.). *Hearing Conservation Manual, 5th edition*. Wisconsin: Council for Accreditation in Occupational Hearing Conservation.
- 5. Le Prell, C. G. (Anticipated, 2014). Protective Agents. To be published in T. Y. Schulz and T. Hutchison (Eds.). *Hearing Conservation Manual, 5th edition*. Wisconsin: Council for Accreditation in Occupational Hearing Conservation.
- 6. Le Prell, C. G. and Spankovich, C. (2013). Noise-induced hearing loss: detection, prevention, and management. In M. Sanna, A. Devaiah, C. de Souza, (Eds.), *Otology-Neurotology*, pp. 268-284. Stuttgart, Germany: Thieme.
- 7. Le Prell, C. G. (2012). Noise-induced hearing loss: from animal models to human trials. In A. Popper and T. Hawkins (Ed.). *The Effects of Noise on Aquatic Life*, pp. 191-195. New York: Springer.
- 8. Le Prell, C. G. and Bao, J. (2012). Prevention of noise-induced hearing loss: potential therapeutic agents. In C.G. Le Prell, D. Henderson, R.R. Fay, and A.N. Popper (Eds.). *Noise-Induced Hearing Loss: Scientific Advances, Springer Handbook of Auditory Research*, pp. 285-338. New York: Springer.
- 9. Le Prell, C.G. and Moody, D.B. (2003). Psychophysical and perceptual studies of primate communication calls. In A. Ghazanfar (Ed.), *Primate Audition: Ethology and Neurobiology*, pp. 61-85. Florida: CRC Press.
- Le Prell, C.G., Bledsoe, S.C., Jr., Bobbin, R.P., and Puel, J.-L. (2001). Neurotransmission in the inner ear: Functional and molecular analyses. In A.F. Jahn and J. Santos-Sacchi (Eds.), *Physiology of the Ear (2nd Edition)*, pp. 575-611. New York: Singular Publishing.
- Moody, D.B., Garbe, C.M., and Niemiec, A.J. (1995). Auditory communication in Japanese macaques: Salience of acoustic stimulus features. In G.A. Manley, G.M. Klump, C. Koppl, H. Fastl, and H. Oeckinghaus, (Eds.), *Advances in Hearing Research*, pp. 512-522. Singapore: World Scientific Publishers.

# **Dissertation**

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

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.

### Patents Pending

5. Miller, J.M., Le Prell, C.G., Bennett, D.C., and Boxer, P.A. Composition and method of treating temporary and permanent hearing loss. Application No. 12/313,527 filed November 21, 2008; Pub. No. US 2009/0155390 published June 18, 2009.

### **Non-Peer-Reviewed Publications**

- 1. Lobariñas, E. and **Le Prell, C.G.** (2014). Impulse noise produced by weapons: Implications for hearing conservation. *NHCA Spectrum*, *31*(*1*):*1*,*6*-8.
- 2. 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.
- 3. Campbell, K. C. M. and Le Prell, C. G. (2011). Potential therapeutic agents. *Seminars in Hearing*, *32*(*3*):281-296.
- 4. **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.*
- 5. 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.
- 6. **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.
- 7. **Garbe, C.M.,** Kemble, E.D., and Strunk, P.C. (1993). Effects of chlordiazepoxide on odor-induced risk assessment behaviors in mice. *Bulletin of the Psychonomic Society*, *31*(*4*), 314-316.

# **Abstracts**

- 1. Le Prell, C.G., Spankovich, C., Lobarinas, E., and Antonelli, P.J. Effects of dietary nutrients on human hearing: is there an opportunity to reduce noise-induced hearing loss? Accepted for presentation at the 2015 Joint Defense/Veterans Audiology Conference, to be held in Orlando, FL, March 2-4, 2015.
- 2. **Le Prell, C. G.,** Spankovich, C. White, K.\*, and Lobarinas, E. Prevention of hearing loss using dietary supplements. Accepted for presentation at *Association for Research in*

*Otolaryngology, 38<sup>h</sup> Midwinter Meeting,* to be held in Baltimore, MD, February 21-25, 2015.

- 3. Lobariñas, E. and **Le Prell, C.G.** Effect of sound suppressors on dangerous sound levels produced by weapon discharges. Accepted for presentation at the 40<sup>th</sup> Annual National Hearing Conservation Conference, to be held in New Orleans, LA, February 19-21, 2015.
- 4. **Le Prell, C.G.,** and Lobariñas, E. Firearm impulse noise: Technical challenges and novel metrics. Accepted for presentation at the 40<sup>th</sup> Annual National Hearing Conservation Conference, to be held in New Orleans, LA, February 19-21, 2015.
- 5. White, K.\*, Kim, M.-J., Han, C., Walker, L., Linser, P., **Le Prell, C. G.,** Someya, S. The Role of Mitochondrial Isocitrate Dehydrogenase 2 in Age-Related Hearing Loss in Mice; to be presented at the 2014 Gerontological Society of America Annual Meeting in Washington, D.C.
- Kil, J. Lynch, E.D., Griffiths, S., Lobarinas, E., Spankovich, C., Antonelli, P.J., Le Prell, C. G. (2014). Efficacy of SPI-1005 for Prevention of Noise Induced Hearing Loss: Phase 2 Clinical Trial Results; American Academy of Otolaryngology – Head and Neck Surgery Foundation 2014 Annual Meeting & OTO EXPO in Orlando, Florida, page 38.
- 7. Warner, P.\*, Simmons, C.\*, **Le Prell, C. G.** (2014). Portable Music Player Listening Level: Variation with Gender and Threshold. *AudiologyNOW! (annual conference for the American Academy of Audiology), ProgramNOW!, page 162.*
- 8. May, L.\*, DiPietro, K.\*, and **Le Prell, C.G.** (2014). Assessing the accuracy of smartphone application hearing screeners. *AudiologyNOW!* (annual conference for the American Academy of Audiology), ProgramNOW!, page 177.
- 9. Lobariñas, E., **Le Prell, C.G.,** Spankovich, C., and Scott, R. L. (2014). Extreme Sound Pressure Levels: The Underestimated Hearing Hazard of Firearms. *AudiologyNOW!* (annual conference for the American Academy of Audiology), ProgramNOW!, page 100.
- 10. Le Prell, C.G., Lobariñas, E., Spankovich, C., and Scott, R. L. (2014). Quiet down. The effects of rifle barrel length and suppressors on AR-15 sound level measurements. 39<sup>th</sup> Annual National Hearing Conservation Conference- Stop Gambling with your Hearing; NHCA Spectrum, Volume 31, Supplement I, page 57.
- 11. May, L.\*, DiPietro, K.\*, and **Le Prell, C.G.** (2014). Assessing the accuracy of smartphone application hearing screeners. *39<sup>th</sup> Annual National Hearing Conservation Conference- Stop Gambling with your Hearing; NHCA Spectrum, Volume 31, Supplement I, page 59.*
- 12. Warner, P.\*, Simmons, C.\*, **Le Prell, C. G.** (2014). Portable Music Player Listening Level: Variation with Gender and Threshold. 39<sup>th</sup> Annual National Hearing Conservation Conference- Stop Gambling with your Hearing; NHCA Spectrum, Volume 31, Supplement I, page 62.
- 13. Le Prell, C. G., White, K.\*, Simmons, C.\*, Babcock, T.\*, Park, Y.\*, and Spankovich, C. (2014). Hearing loss in C57BL6/J mice is not influenced by dietary supplement with ACEMg or CEMg. Association for Research in Otolaryngology, 37<sup>h</sup> Midwinter Meeting Abstracts, pages 21-22. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 14. Spankovich, C., Lobariñas, E., and **Le Prell, C. G.** (2014). Diametric effect of "localized" thermal exposure on cisplatin induced ototoxicity. *Association for Research in Otolaryngology, 37<sup>h</sup> Midwinter Meeting Abstracts,* page 26. Mt. Royal, NJ: Association for Research in Otolaryngology.

- 15. Guercio, D.\*, Ledon, V.\*, Park, Y.\*, and **Le Prell, C.G.** (2013). Music listening levels and noise risk assessments for students at the University of Florida. *AudiologyNOW!* (annual conference for the American Academy of Audiology), ProgramNOW!, page 180.
- 16. Nast, D.R.\*, Speer, W.\*, and **Le Prell, C.G.** (2013). Comparison of iPhone sound level meter application accuracy. *AudiologyNOW! (annual conference for the American Academy of Audiology), ProgramNOW!, page 193.*
- 17. Le Prell, C.G., Lobariñas, E., Griffiths, S., and Spankovich, C. (2013). Effects of recreational noise on otoacoustic emissions and high frequency thresholds. *38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 38.*
- 18. Spankovich, C. and **Le Prell, C.G.** (2013). Healthy diet=healthy ears? 38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 44.
- Auchter, M.\* and Le Prell, C.G. (2013). Effects of Adopt-a-Band training on ear plug use by high school marching band musicians. 38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 53.
- Morgenstein, K.\*, de la Calle, S.\*, Guercio, D.\*, Ledon, V.\*, Griffiths, S., Spankovich, C. and Le Prell, C.G. (2013). Impulse noise paradigm developed for otoprotection trials. 38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 54.
- 21. Nast, D.R.\*, Speer, W.\*, and **Le Prell, C.G.** (2013). Accuracy of sound level meter applications for the iPhone. *38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 55.*
- 22. Park, Y.\*, Guercio, D.\*, Ledon, V.\*, and **Le Prell, C.G.** (2013). Noise exposure estimates of PLD users at the University of Florida. *38<sup>th</sup> Annual National Hearing Conservation Conference- The Art of Hearing Conservation; NHCA Spectrum, Volume 30, Supplement IV, page 55.*
- 23. Le Prell, C.G., DeRemer, S., Rudnick, E.W.\*, Nelson, M.A.\*, and Goldstein, A. (2013). Effects of dietary nutrients on amikacin ototoxicity in guinea pigs: reduced hearing loss and increased hair cell survival. *Association for Research in Otolaryngology*, *36<sup>th</sup> Midwinter Meeting Abstracts*, page 502. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 24. Le Prell, C. G. (2012). Animal models and human trials: vitamins and magnesium for otoprotection. Presented at American Academy of Audiology, Academy Research Conference (ARC).
- 25. Morgenstein, K.,\* de la Calle, S.,\* and **Le Prell, C. G.** (2012). Human temporary threshold shift: models developed for otoprotection trials. Presented at American Academy of Audiology, Academy Research Conference (ARC).
- 26. Le Prell, C.G., Rudnick, E.W.\*, Nelson, M.A.\*, Prieskorn, D.M., DeRemer, S., and Miller, J.M. (2012). Dietary nutrients attenuate gentamicin ototoxicity: reduced hearing loss and increased hair cell survival in guinea pigs maintained on supplemented diet. *Association for Research in Otolaryngology, 35<sup>th</sup> Midwinter Meeting Abstracts*, page 58. Mt. Royal, NJ: Association for Research in Otolaryngology.

- 27. Joseph, D.E.\*, Le Prell, C. G., and Lang, D.M.\* (2012). Dietary nutrients attenuate events related to cell death in the inner ear after noise insult. *Triological Society 2012 Combined Sections Meeting*, page 95. Miami, Florida.
- 28. Le Prell, C. G., , Kujawa, S. G., Dell, S.\*, Hensley, B.\*, Hall, J. W. III, Campbell, K. C. M., Antonelli, P. A., Green, G. E., Miller, J. M., and Guire, K. (2011). Temporary threshold shifts and otoacoustic emission amplitude reductions subsequent to music player use by young adults. 36<sup>th</sup> Annual National Hearing Conservation Conference-Innovation & Technology; NHCA Spectrum, Volume 28, Supplement 1, pages 35-36.
- 29. Le Prell, C. G., Lang, D.\*, Joseph, D.\*, and Kalantar, N.\* (2011). Dietary nutrients attenuate cell death events in the inner ear after noise insult. *Association for Research in Otolaryngology, 34<sup>th</sup> Midwinter Meeting Abstracts*, pages 218-129. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 30. Green, G. E., Miller, J. M., and **Le Prell, C. G.** (2011). Hearing improvement on ACEMg in a child with Connexin 26 Hearing Loss. *Association for Research in Otolaryngology, 34<sup>th</sup> Midwinter Meeting Abstracts*, pages 80-81. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 31. Le Prell, C. G., Boxer, P. A, Bennett, D. C., Ohlemiller, K. K., Dolan, D. F., and Miller, J. M. (2010). From bench to bedside and back again: Development and translation of an otoprotective agent. 35<sup>th</sup> Annual National Hearing Conservation Conference-Explore the World of Hearing Loss Prevention; NHCA Spectrum, Volume 27, Supplement 1, page 30.
- 32. Le Prell, C. G., Hall, J. W. III, Sakowicz, B.\*, Campbell, K. C. M., Kujawa, S. G., Antonelli, P. A., Green, G. E., Miller, J. M., Holmes, A. E., and Guire, K. (2010). Temporary threshold shift subsequent to music player use: comparison with hearing screenings in populations of adolescents and young adults. *35<sup>th</sup> Annual National Hearing Conservation Conference-Explore the World of Hearing Loss Prevention; NHCA Spectrum, Volume 27, Supplement 1, page 28.*
- 33. Sakowicz, B. N.\*, **Le Prell, C. G.,** Hall, J. W. III, Campbell, K. C. M., Kujawa, S. G., Antonelli, P. A., Green, G. E., Miller, J. M., and Guire, K. (2010). Temporary changes in hearing after digital audio player use. *AudiologyNOW! (annual conference for the American Academy of Audiology), ProgramNOW!, page 147.*
- 34. Le Prell, C. G. Johnson, A. W.\*, Dossat, A., and Lang, D.\* (2010). Caspase-2 expression in the inner ear after noise insult. *Association for Research in Otolaryngology, 33<sup>rd</sup> Midwinter Meeting Abstracts*, p.232. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 35. Le Prell, C. G., Schmitt, J. C.\*, Dolan, D. F., Boxer, P.A., Prieskorn, D. M., DeRemer, S. J., and Goodson, M. R.\* (2009). Prevention of temporary noise-induced threshold deficits using dietary agents. *Association for Research in Otolaryngology, 32<sup>nd</sup> Midwinter Meeting Abstracts*, p. 280. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 36. Le Prell, C. G., Ohlemiller, K.K., Gagnon, P.M., and Bennett, D.C. (2009). Reduction in permanent noise-induced threshold deficits in mice fed a combination of dietary agents. *Association for Research in Otolaryngology, 32<sup>nd</sup> Midwinter Meeting Abstracts*, p. 280. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 37. Yang, Q.\*, Harris, J. G., Schmitt, J. C.\*, Willis, L. M.\*, and **Le Prell, C. G.** (2009). Towards the development of a laboratory model of noise-induced hearing loss with real-world relevance for human subjects. *Association for Research in Otolaryngology, 32<sup>nd</sup>*

*Midwinter Meeting Abstracts*, p. 8. Mt. Royal, NJ: Association for Research in Otolaryngology.

- 38. Le Prell, C. G., Guire, K., Hall, J. W. III, and Holmes, A. E. (2009). Prevalence of 6 kHz "notch" in populations of adolescents and young adults. 9<sup>th</sup> Congress of the European Federation of Audiological Societies, p. 76; Tenerife, Canary Islands, Spain.
- 39. Miller, J. M., Low, C., Altschuler, R.A., and **Le Prell, C. G.** (2009). Preservation of residual hearing with implantation. 7<sup>th</sup> Asia Pacific Symposium on Cochlear Implants and Related Sciences (APSCI 2009), Singapore.
- 40. Miller, J. M., **Le Prell, C. G.,** Hernandez-Reyes, J., Raphael, Y. and Altschuler, R. A. (2009). Development of a drug to treat hearing loss: Studies of efficacy and toxicity. *American College of Toxicology, 30<sup>th</sup> Annual Meeting.*
- 41. Le Prell, C. G., Willis, L.M.\*, Dolan, D. F., Halsey, K., and Hughes, L. F. (2008). Chronic intra-cochlear delivery of CGRP(8-37), a CGRP receptor antagonist, does not reliably influence auditory nerve activity. *Association for Research in Otolaryngology*, *31<sup>st</sup> Midwinter Meeting Abstracts*, pp. 210-211. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 42. **Le Prell, C.G.,** and Miller, J.M. (2008). Antioxidant mechanisms for prevention of noise induced hearing loss. *Association for Research in Otolaryngology, 31<sup>st</sup> Midwinter Meeting Abstracts*, p. 163. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 43. Le Prell, C.G., Hughes, L.F., and Miller, J.M. (2007). Free radical scavengers, vitamins A, C, and E, plus magnesium reduces noise trauma. *Association for Research in Otolaryngology, 30<sup>th</sup> Midwinter Meeting Abstracts*, pp. 244-245. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 44. **Le Prell, C. G.,** Dolan, D. F., Halsey, K., and Hughes, L. F. (2007). Chronic intracochlear delivery of CGRP, a lateral olivocochlear transmitter, enhances auditory nerve activity. *Association for Research in Otolaryngology, 30<sup>th</sup> Midwinter Meeting Abstracts*, p. 120. Mt. Royal, NJ: Association for Research in Otolaryngology.
- Shore, S., Le Prell, C. G., and Koehler, S. (2006). Contralateral excitation of cochlear nucleus neurons following cochlear damage is mediated by peri-olivary nuclei. *Association for Research in Otolaryngology, 29<sup>th</sup> Midwinter Meeting Abstracts*, p. 44. Mt. Royal, NJ: Association for Research in Otolaryngology.
- Le Prell, C.G., Dolan, D.F., Halsey, K., Hughes, L.F., and Bledsoe, S.C. (2006).
   Disruption of lateral olivocochlear neurons depresses spontaneous auditory nerve activity. *Association for Research in Otolaryngology, 29<sup>th</sup> Midwinter Meeting Abstracts*, p. 303. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 47. Le Prell, C.G., Halsey, K., Dolan, D.F., and Bledsoe, S.C. Jr. (2004). Kappa opioidreceptor agonists depress compound action potential amplitude. *Association for Research in Otolaryngology, 27<sup>th</sup> Midwinter Meeting Abstracts*, pp. 329-330. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 48. Le Prell, C.G. and Bledsoe, S.C. (2003). Disruption of lateral olivocochlear neurons depresses compound action potential amplitude. *Association for Research in Otolaryngology, 26<sup>th</sup> Midwinter Meeting Abstracts*, p. 250. Mt. Royal, NJ: Association for Research in Otolaryngology.
- 49. **Le Prell, C.G.,** Kawamoto, K., Raphael, Y., Dolan, D.F., and Moody, D.B. (2002). Electromotile hearing: Evidence that tone-like percepts are produced by electrical

stimulation of cochlear outer hair cells. In P.A. Santi (Ed.), *Association for Research in Otolaryngology*, 25<sup>th</sup> *Midwinter Meeting Abstracts*, (p 165). Mt. Royal, NJ: Association for Research in Otolaryngology.

- 50. Le Prell, C.G., Shore, S.E., and Bledsoe, S.C. (2001). Lesioning the lateral superior olive alters compound action potential dynamic range prior to and following traumatizing sound exposure. In P.A. Santi (Ed.), *Association for Research in Otolaryngology, 24<sup>th</sup> Midwinter Meeting Abstracts,* (p 46). Des Moines, IA: Association for Research in Otolaryngology.
- 51. **Le Prell, C.G.,** Dolan, D.F., and Moody, D.B. (2000). Electromotile hearing: Evidence that tone-like percepts are produced by electrical stimulation in the cochlea. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 23<sup>rd</sup> Midwinter Meeting Abstracts,* (p 259). Des Moines, IA: Association for Research in Otolaryngology.
- 52. Le Prell, C.G., Yagi, M., Beyer, L., Bledsoe, S.C., Raphael, Y., and Moody, D.B. (1999). Morphological trauma accompanying ABR-assessed deficits in hearing following chronic AMPA-induced excitotoxicity. In G.R. Popelka (Ed.), Association for Research in Otolaryngology, 22<sup>nd</sup> Midwinter Meeting Abstracts, (p 164). Des Moines, IA: Association for Research in Otolaryngology.
- 53. **Le Prell, C.G.,** Bledsoe, S.C., and Moody, D.B. (1999). Deficits in tone-evoked operant and electrophysiological responses during chronic AMPA-induced excitotoxicity. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 22<sup>nd</sup> Midwinter Meeting Abstracts*, (p 164). Des Moines, IA: Association for Research in Otolaryngology.
- 54. **Le Prell, C.G.** and Moody, D.B. (1998). Discrimination of natural and synthetic scream call vocalizations by adult female rhesus macaque monkeys. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 21<sup>st</sup> Midwinter Meeting Abstracts,* (p 102). Des Moines, IA: Association for Research in Otolaryngology.
- 55. **Garbe, C.M.,** Prieskorn, D.M., Bledsoe, S.C., and Moody, D.B. (1997). Behavioral and electrophysiological assessment of changes in hearing following chronic AMPA-induced excitotoxicity. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 20<sup>th</sup> Midwinter Meeting Abstracts,* (p 109). Des Moines, IA: Association for Research in Otolaryngology.
- 56. **Garbe, C.M.** and Moody, D.B. (1996). Salient features in the discrimination of coo calls by macaque monkeys. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 19<sup>th</sup> Midwinter Meeting Abstracts,* (p 65). Des Moines, IA: Association for Research in Otolaryngology.
- 57. **Garbe, C.M.,** Niemiec, A.J., and Moody, D.B. (1995). Cues utilized by macaque monkeys in detecting single component phase changes in 3-component stimuli. In G.R. Popelka (Ed.), *Association for Research in Otolaryngology, 18<sup>th</sup> Midwinter Meeting Abstracts,* (p 52). Des Moines, IA: Association for Research in Otolaryngology.
- 58. Kemble, E.D., Garbe, C.M., and Rawleigh, J.M. (1993). Novel odors increase pain thresholds and flight behavior in mice, *Aggressive Behavior*, 19, 56.
  Asterisk (\*) indicates author is student/resident working with Dr. Le Prell

# H. INVITED PRESENTATIONS

1. **Le Prell, C.G.** (2015, March). Development of therapeutics to prevent acquired hearing loss: animal data and human trials. To be presented at the Translational Research Session

on Otoprotective Strategies, a Featured Session at AudiologyNOW! (annual conference for the American Academy of Audiology), to be held in SanAntonio, TX.

- 2. Le Prell, C.G. (2014, November). Development of a therapeutic to protect the inner ear: from animal models to human trials. To be presented at the annual convention of the American Speech Language Hearing Association, Orlando, FL.
- 3. 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.
- 4. **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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. **Le Prell, C.G.** (2014, April). Development of therapeutics that protect human hearing. Callier Center for Communication Disorders, University of Texas, Dallas, TX.
- 9. **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.
- 10. Le Prell, C.G. (2013, August). The mechanisms of ototoxicity. Florida Academy of Audiology, Orlando, FL.
- 11. 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.
- 12. 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; 20<sup>th</sup> World Congress of the International Federation of Otorhinolaryngological Societies, Seoul, South Korea.
- 13. 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.
- 14. **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 120<sup>th</sup> anniversary of the Nanjing Drum Tower Hospital, Nanjing University Medical School, Nanjing, China.
- 15. 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.
- 16. 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.
- 17. 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.

- 18. **Le Prell, C.G.** (2012, April). Otoprotection: Emerging therapies for protection against acquired hearing loss, Brazilian Academy of Audiology, Bauru, Brazil.
- 19. 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.
- 20. 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.
- 21. 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.
- 22. 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).
- 23. 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.
- 24. 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.
- 25. **Le Prell, C. G.** (2011, March). Noise-induced hearing loss: from animal models to human trials. Keynote Speaker, National Organization for Hearing Research.
- 26. **Le Prell, C. G.** (2010, August). Noise-induced hearing loss: from animal models to human trials. The Effects of Noise on Aquatic Life: 2<sup>nd</sup> International Conference; Cork Ireland.
- 27. 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 159<sup>th</sup> Meeting of the Acoustical Society of America and 26<sup>th</sup> annual conference of the Institute of Noise Control Engineering. Journal of the Acoustical Society of America, 127, 1754.
- 28. 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 159<sup>th</sup> Meeting of the Acoustical Society of America and 26<sup>th</sup> annual conference of the Institute of Noise Control Engineering. Journal of the Acoustical Society of America, 127, 1747.
- 29. 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.
- 30. Le Prell, C.G. (2009, September). Technology transfer: developing otoprotective agents as commercial products. EuroHear Theoretical Training Course on Inner Ear Therapy. Padova, Italy.

- 31. 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.
- 32. 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.
- 33. Le Prell, C.G. (2008, April). Prevention of noise-induced hearing loss using antioxidant strategies. Karolinska Institutet, Sweden.
- 34. 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.
- 35. 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 2<sup>nd</sup> Shanghai International Conference on Physiological BioPhysics Audition and Vision, Shanghai, People's Republic of China.
- 36. Le Prell, C.G. (2006, May). Lateral olivocochlear neurons: their role in auditory function, Department of Otolaryngology/Central Institute for the Deaf, Washington University.
- 37. 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.
- 38. Le Prell, C.G. (2006, May). Lateral olivocochlear neurons: their role in auditory function, Department of Pharmacology, Southern Illinois University School of Medicine.
- 39. Le Prell, C.G. (2005, October). Mechanisms and prevention of noise-induced hearing loss, Department of Communicative Disorders, University of Florida.
- 40. **Le Prell, C.G.** (2005, September). Lateral olivocochlear neurons: their role in auditory function, Department of Communicative Disorders, University of Florida.
- 41. 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.
- 42. 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.
- 43. Le Prell, C.G. (2001, June). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Inserm U254, University of Montpellier, France.
- 44. **Le Prell, C.G.** (2001, April). Lesioning the lateral superior olive disrupts cochlear function: an electrophysiological assessment, Hearing Research Laboratory, University of Buffalo.
- 45. **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.

# Local (University of Florida) 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.

# I. CLASSROOM TEACHING

# **Assigned Courses**

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; Summer 2014.
- 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; Summer 2012, 2013, 2014.

#### **Classroom Guest Lectures**

- October, 2014. Protecting the Ear Against Age, Noise, and Other Insults (Shinichi Someya, Instructor).
- October, 2012. Development of a Therapeutic to Protect the Inner Ear: From Animal Models to Human Trials (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.)

#### J. RESEARCH MENTORING/OTHER TEACHING

#### 2007-present: University of Florida.

#### Graduate Student Research Assistants, PhD Program

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

#### Graduate Student Research Assistants, AuD Program

Sara Stepper (2015-) Mitch Aquilina (2014-) Ian Boyle (2014-) Ryan Funderburk (2014-) Alyssa Flippo (2014-) Casandra Sanchez (2014-) Erika Ortiz (2013-) 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

#### **Undergraduate Research Assistants**

Tess Zacardi (2015-) Ariel Weiner (2015-) Brandie Smith (2013-) 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)

#### ENT Resident Research Supervision, Department of Otolaryngology

Thomas Babcock, MD (spring, 2013) Debbie Joseph, MD (fall, 2009 - spring, 2011) Nader Kalantar, MD (fall, 2008)

# AuD 3<sup>rd</sup> Year 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) Peggy Warner and Caitlin Simmons (summer 2013) Katelyn DiPietro and Lindsay May (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)

#### 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

### K. SCIENTIFIC SERVICE ACTIVITIES

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)
Medical Research Council (MRC) of South Africa (2012)
Medical Research Council (MRC) of the United Kingdom (2015)
National Institute for Occupational Safety and Health (NIOSH) (2010, 2011, 2014)
National Institute of Health, National Institute on Deafness and Communication Disorders (NIH-NIDCD) (2011, 2012, 2013, 2014)
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 Primatology (1997) American Journal of Industrial Medicine (2011) Audiology and Neurotology (2008, 2010, 2014) Audiology Research (2104) BioMed Central (BMC) Neuroscience (2012) 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) Environmental Science & Technology (2012) European Archives of Oto-Rhino-Laryngology and Head & Neck (2012) Hearing Research (2005, 2006, 2007, 2008, 2009, 2010, 2011) International Journal of Audiology (2009, 2010, 2011, 2012, 2013) Journal of the Acoustical Society of America (1999, 2000, 2001, 2002, 2007, 2010) Journal of the American Aging Association (2015) Journal of the Association for Research in Otolaryngology (2006, 2007, 2008, 2009, 2010, 2013, 2014, 2015) Journal of Comparative Psychology (2002) 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) Language, Speech, and Hearing Services in Schools (2014) Laryngoscope (2010) Magnesium Research (2012) Nature (2009, 2012) Neurochemistry International (2013)

Neuroscience Letters (2014, 2015) Neuroscience Research (2013) Noise and Health (2013) Nutritional Neuroscience (2014) PLOS ONE (2012, 2013, 2014) Pflügers Archiv – European Journal of Physiology (2013) Redox Report (2014) Scientifica (2014) Tropical Life Sciences Research (2014)

### L. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Acoustical Society of America American Academy of Audiology American Association for the Advancement of Science American Auditory Society Association for Research in Otolaryngology National Hearing Conservation Association

### M. COMMITTEE AND ADMINISTRATIVE SERVICE

#### **Department, College, and University Service**

| 2014-     | Interim Chair, Department of Speech, Language, & Hearing Sciences, University of Florida.                            |
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| 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<br>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-     | 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**

- 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, 36<sup>th</sup> 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 Membership**

2013-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. Member, Thesis Committee. Cory Nickchen, candidate for the Degree of Doctor 2013of Philosophy in the Graduate School of Architecture, program in Building and Environmental Acoustics, 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. 2012-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. 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.  |
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| 2010-2012 | Member, Thesis Committee. Shawna Dell, candidate for the Degree of Doctor of<br>Philosophy in the Department of Speech, Language, and Hearing Sciences,<br>University of Florida.   |
| 2010      | Member, Thesis Committee. Ryan Keith, candidate for the Degree of Master of<br>Art in the Department of Psychology, University of Florida.  |
| 2009-2011 | Member, Thesis Committee. Brittany Hensley, candidate for the Degree of<br>Doctor of Philosophy in the Department of Speech, Language, and Hearing<br>Sciences, University of Florida.  |
| 2009-2010 | Chair, Thesis Committee. Dustin Lang, candidate for the Degree of Master of Science in the Department of Molecular Genetics and Microbiology, University of Florida.  |
| 2008      | Thesis Examiner, for Andrew Richard Garrett, candidate for the Degree of Doctor of Philosophy in the Discipline of Physiology. <i>"The Actions of Dopamine Receptors on Sound-Evoked and Spontaneous Activity in the Inner Ear."</i> (School of Biomedical, Biomolecular and Chemical Senses, The University of Western Australia.) |