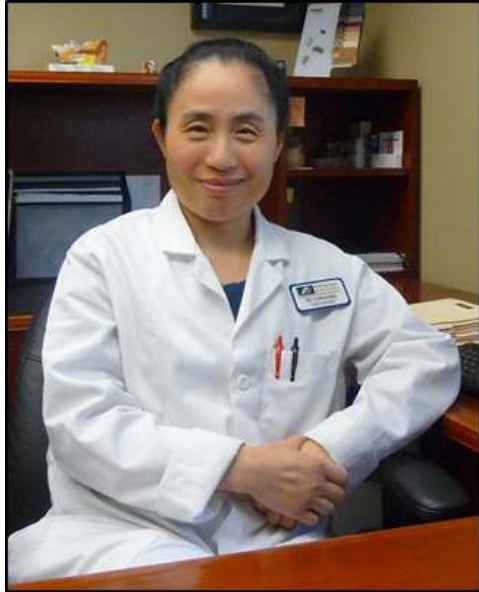


CURRICULUM VITAE



Dr. Ha-Sheng Li-Korotky
Au.D., Ph.D., CCC-A, F-AAA
Board Certified in Audiology

Chief Audiologist & CEO
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EDUCATION & TRAINING

GRADUATE

<u>Year</u>	<u>Institution</u>	<u>Degree</u>	<u>Major Subject</u>
1985	Henan Medical University Henan, China	M.D.	Otolaryngology (Subspecialty: Otology)
1992	Karolinska Institute Stockholm, Sweden	Ph.D.	Research Audiology (Thesis: Age-Related Hearing Loss)
2011	University of Pittsburgh Pennsylvania, USA	Au.D.	Clinical Audiology

POST-GRADUATE

<u>Year</u>	<u>Institution</u>	<u>Degree</u>	<u>Discipline</u>
1993	Boys Town National Research Hospital Omaha, NE, USA	Post-Doctoral Fellow	Neuroscience/Molecular biology
1995	National Institutes of Health NIDCD, Bethesda, MD, USA	Fogarty Fellow (FICRS-F)	Neuroscience/Molecular biology

APPOINTMENTS and POSITIONS

<u>Year</u>	<u>Institution</u>	<u>Rank and Title</u>
1985 - 1988	Department of Otolaryngology Beijing Hospital, Beijing, China	Attending Physician (Otologist, Audiologist)
1995 - 1997	Department of Medicine Center for Genomic Sciences University of Pittsburgh School of Medicine, Pittsburgh, PA	Research Associate
1997 - 2001	Gene Expression Core Center for Genomic Sciences University of Pittsburgh School of Medicine, Pittsburgh, PA	Core Director
1995 - 2007	Department of Otolaryngology University of Pittsburgh School of Medicine Division of Pediatric Otolaryngology Children's Hospital of Pittsburgh, Pittsburgh, PA	Assistant Professor
2007 - 2011	Department of Otolaryngology University of Pittsburgh School of Medicine Division of Pediatric Otolaryngology Children's Hospital of Pittsburgh, Pittsburgh, PA	Associate Professor
2007 - 2011	Department of Communication Science & Disorders, University of Pittsburgh School of Health and Rehabilitation Sciences	Associate Professor (Joint Appointment)
2010 - 2011	Center for Audiology and Hearing Aid Services Department of Otolaryngology University of Pittsburgh School of Medicine, Pittsburgh, PA	Extern and Clinic Audiologist
2011 - 2012	Central Oregon ENT, LLC, Bend, OR	Clinic Audiologist
2012 - Present	Pacific Northwest Audiology, LLC	Chief Audiologist & CEO

DIPLOMAS, CERTIFICATIONS, and LICENSUR

<u>Year</u>	<u>Certificate</u>	<u>Specialty</u>	<u>Certifying Board</u>
1985	Diploma (M.D.)	Otolaryngology	Henan Medical University (China)
1992	Diploma (Ph.D.)	Research Audiology	Karolinska Institute (Sweden)
1993	Certificate (Post-Doc.)	Molecular Biology	Boys Town Natl. Res. Hosp. (USA)
1995	Certificate (Post-Doc.)	Molecular Biology	National Institutes of Health (USA)
2011	Diploma (Au.D.)	Clinical Audiology	University of Pittsburgh (USA)
2011-2012	License (AT006217)	Clinical Audiology	Board of SLP & Hearing, State of PA
2011-	License (23570)	Clinical Audiology	Board for SLP & AuD, State of OR
2014-	Board Certification	Clinical Audiology	American Board of Audiology
2014-	ASHA CCC-A	Clinical Audiology	Clinical Competence in Audiology

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

<u>Organization</u>	<u>Year</u>
Society for Neuroscience	1994
Association for Research in Otolaryngology	1994
American Association for the Advancement of Science	1996
American Auditory Society	2006
Pennsylvania Academy of Audiology	2007
America Academy of Audiology (Fellow, F-AAA)	2011
Oregon Academy of Audiology (Fellow)	2012
American Tinnitus Association (ATA Gold Member)	2012
American Speech-Language-Hearing Association Certified Member in Audiology (CCC-A)	2014
Academy of Doctors of Audiology (ADA)	2014

HONORS, SCHOLARSHIPS and FELLOWSHIPS

<u>Title of Award</u>	<u>Year</u>
Honors graduate thesis “Experimental studies of furosemide ototoxicity in guinea pig cochlea.” Ministry of Public Health, Beijing, P. R. China	1987
Recipient of Doctoral Scholarship Karolinska Institute, Stockholm, Sweden	1988-1991
Recipient of Research Fellowship Stiftelsen Deafness School, Sweden	1990-1991
Recipient of Research Fellowship Wenner Gren Center Foundation, Sweden	1992
Recipient of Research Grant Swedish Society of Medicine, Sweden	1992
NIDCD Fogarty Fellowship Fogarty International Center, NIH, Bethesda, MD	1993-1995
AVADA Book Award Program of the Professional Doctorate of Audiology Department of Communication Science and Disorders University of Pittsburgh School of Health and Rehabilitation Sciences	2009

PUBLICATIONS

Peer Reviewed Articles

1. Li HS, Dong MS. Experimental study of furosemide ototoxicity. *Chin J Otorhinolaryngol* 1986; 21:248-250.
2. Zhang SZ, Wang SY, Li HS, Hao L. The observations on the ABR of people in their senium and presenium. *Nat'l Med J China* 1986; 66:614-617.

3. Li HS, Borg EG. Age-related loss of auditory sensitivity in two mouse genotypes. *Acta Otolaryngol* (Stockh) 1991; 111:827-834.
4. Li HS. Influence of genotype and age on acute acoustic trauma and recovery in CBA/Ca and C57BL/6J mice. *Acta Otolaryngol* (Stockh) 1992; 112:956-967.
5. Li HS, Johnson AC, Borg EG, Hoglund G. Auditory degeneration after exposure to toluene in two genotypes of mice. *Arch Toxicol* 1992; 66:382-386.
6. Canlon B, Li HS, Olson L, Hultcrantz M, Borg EG. Stage dependent development of intraocular cochlear grafts. *Hear Res* 1992; 64:142-148.
7. Li HS. Genetic influences on susceptibility of the auditory system to aging and environmental factors. *Scand Audiology* (Suppl) 1992; 36:1-39.
8. Li HS, Hultcrantz M, Borg EG. Influence of age on noise-induced permanent threshold shifts in CBA/Ca and C57BL/6J mice. *Audiology* 1993; 32:195-204.
9. Li HS, Borg E. Auditory degeneration after acoustic trauma in two genotypes of mice. *Hear Res* 1993; 68:19-27.
10. Hultcrantz M, Li HS. Inner ear morphology in CBA/Ca and C57BL/6J mice in relationship to noise, age and phenotype. *Eur Arch Otorhinolaryngol* 1993; 250:257-264.
11. Li HS, Hultcrantz M. Age-related degeneration of the organ of Corti in two genotypes of mice. *ORL J Otorhinolaryngol Relat Spec* 1994; 56:61-67.
12. Li HS, Niedzielski AS, Beisel KW, Hiel H, Wenthold RJ, Morley BJ. Identification of a glutamate/aspartate transporter in the rat cochlea. *Hear Res* 1994; 78:235-242.
13. Hultcrantz M, Li HS. Degeneration patterns of actin distribution in the organ of Corti in two genotypes of mice. *ORL J Otorhinolaryngol Relat Spec* 1995; 57:1-4.
14. Morley BJ, Li HS, Hiel H, Drescher DG, Elgoyhen AB. Identification of the subunits of the nicotinic cholinergic receptors in the rat cochlea using RT-PCR and in situ hybridization. *Mol Brain Res* 1998; 53:78-87.
15. Darden DL, Hu FZ, Ehrlich MD, Gorry MC, Bressman D, Li HS, Whitcomb DC, Hebda PA, Dohar JE, Ehrlich GD. RNA differential display of scarless wound healing in fetal rabbit indicates downregulation of a CCT chaperonin subunit and up-regulation of a glycoporphin-like gene transcript. *J Pediatr Surg* 2000; 35:406-419.
16. Li HS, Hebda PA, Kelly LA, Eherlic GD, Whitcomb DC, Dohar JE. Up-regulation of prostaglandin EP4 receptor messenger RNA is over-expressed in fetal rabbit skin wound. *Arch Otolaryngol Head Neck Surg* 2000; 126:1337-1343.
17. Li HS, Deng XY, Thompson BS, Zhang JY, Wood PG, Eagon PK and Whitcomb DC. Chronic Ethanol Consumption Induces Gene Expression of Pancreatic Monitor Peptide, but not SPINK1/PSTI-56, in Rats. *Pancreas* 2001; 23:117-124.
18. Li HS, Zhang JY, Deng XY, Thompson BS, Wood PG, Stolz DB, Eagon PK, Whitcomb DC. Rat mitochondrial ATP synthase ATP5G3: cloning and up-regulation in the pancreas after chronic ethanol feeding. *Physiol Genomics* 2001; 6:91-98.

19. Pfützner RH, Tadic SD, Li HS, Thompson BS, Zhang JY, Ford ME, Eagon PK, Whitcomb DC. Pancreatic cholesterol esterase, ES-10, and fatty acid ethyl ester synthase III gene expression are increased in the pancreas and liver but not in the brain or heart with long-term ethanol feeding in rats. *Pancreas* 2002; 25:101-6.
20. Tadic SD, Elm MS, Li HS, VanLonden GJ, Subbotin VM, Whitcomb DC, Eagon PK. Gender differences in hepatic gene expression in a rat model of ethanol-induced liver injury. *J Appl Physiol* 2002; 93:1057-68.
21. Li HS, Doyle WJ, Swarts JD, Hebda PA. Suppression of epithelial ion transport transcripts during pneumococcal acute otitis media in the rat. *Acta Otolaryngol* 2002; 122:488-494.
22. Balaban CD, Zhou JX, Li HS. Type 1 vanilloid receptor expression by mammalian inner ear ganglion cells. *Hear Res* 2002; 4039:1-6.
23. Li HS, Doyle WJ, Swarts JD, Lo CY, Hebda PA. Mucosal expression of gene encoding possible upstream regulators of Na⁺ transport during pneumococcal otitis media. *Acta Otolaryngol* 2003; 123(5):575-582.
24. Li-Korotky HS, Swarts JD, Hebda PA, Doyle WJ. Cathepsin gene expression profile in rat acute pneumococcal otitis media. *Laryngoscope* 2004; 114(6):1032-6.
25. Kitahara T, Li-Korotky HS, Balaban CD. Localization of the mitochondrial uncoupling protein family in the rat inner ear. *Hear Res* 2004; 196(1-2):39-48.
26. Kitahara T, Li-Korotky HS, Balaban CD. Changes in transient receptor potential cation channel superfamily V (TRPV) mRNA expression in the mouse inner ear ganglia after kanamycin challenge. *Hear Res* 2005; 201:132-144.
27. Kitahara T, Li-Korotky HS, Balaban CD. Regulation of mitochondrial uncoupling proteins in mouse inner ear ganglion cells in response to systemic kanamycin challenge. *Neuroscience* 2005;135:639-53.
28. Chen A, Li-Korotky HS, Hebda PA, Zeevi A, Swarts JD. Gene expression profiles of early pneumococcal otitis media in the rat. *Int Pediatr Otolaryngol* 2005; 69:1383-1393.
29. Li-Korotky HS, Hebda PA, Lo CY, Kelly LA, Dohar JE. Identification of a pre-mRNA splicing factor arginine/serine-rich 3 (Sfrs3) and co-expression with fibronectin in fetal and postnatal rabbit airway mucosal and skin wounds. *Biochim Biophys Acta - Mol Basis Dis* 2005 1762(1):34-45.
30. Sandulache VC, Parekh A, Li-Korotky HS, Dohar JE, Hebda PA. Prostaglandin E2 differentially modulates human fetal and adult dermal fibroblast migration and contraction: implication for wound healing. *Wound Repair Regen* 2006; 14(5):633-643.
31. Sandulache VC, Parekh A, Li-Korotky HS, Dohar JE, Hebda PA. Prostaglandin E2 inhibition of keloid fibroblast migration, contraction, and transforming growth factor (TGF)-beta1-induced collagen synthesis. *Repair Regen* 2007; 15(1):122-133.
32. Li-Korotky HS, Kelly LA, Piltcher O, Hebda PA, Doyle WJ. Evaluation of microbial RNA extractions from *Streptococcus pneumoniae*. *J Microbiol Methods* 2007; 68:342-348.
33. Sandulache VC, Chafin JB, Li-Korotky HS, Otteson TD, Dohar JE, Hebda PA. Elucidating the role of interleukin 1beta and prostaglandin E2 in upper airway mucosal wound healing. *Arch Otolaryngol Head Neck Surg* 2007; 133(4):365-74.
34. Li-Korotky HS, Hebda PA, Lo CY, Dohar JE. Age-dependent differential expression of fibronectin variants in airway and skin wounds. *Arch Otolaryngol Head Neck Surg* 2007; 133(9):919-24.

35. Guthrie OW, **Li-Korotky HS**, Durrant JD, Balaban CD. Cisplatin induces cytoplasmic to nuclear translocation of nucleotide excision repair factors among a proportion of spiral ganglion neurons. *Hear Res* 2008; 239:79-91.
36. **Li-Korotky HS**, Banks JM, Lo CY, Zeng FR, Stolz DB, Swarts JD, Doyle WJ. Interaction of pneumococcal phase variation and middle ear pressure/gas composition: An in vitro model of simulated otitis media. *Microb Pathog* 2008; 45:201-206.
37. Sandulache VC, Singh T, **Li-Korotky HS**, Lo CY, Otteson TD, Barsic M, Dohar JE, Hebda PA. Prostaglandin E2 is activated by airway injury and regulates fibroblast cytoskeletal dynamics. *Laryngoscope* 2009; 119(7):1365-1373.
38. **Li-Korotky HS**, Lo CY, Zeng FR, Lo D, Banks JM. Interaction of phase variation, host and pressure/gas composition: Pneumococcal gene expression of PsaA, SpxB, Ply, and LytA in simulated middle ear environments. *Int J Pediatr Otorhinolaryngol* 2009;73(10):1417-1422.
39. Doyle WJ, Casselbrant ML, **Li-Korotky HS**, Cullen-Doyle AP, Lo CY, Turner R, Cohen S. The IL-6 (-174, C/C) genotype predicts greater rhinovirus illness. *J Infect Dis* 2010; 201(2):199-206.
40. Alper CM, **Li-Korotky HS**, Lo CY, Doyle AP, Winther B, Doyle WJ. Nasal secretion concentrations of IL-5, IL-6, and IL-10 in children with and without upper respiratory tract viruses. *Arch Otolaryngol Head Neck Surg* 2010; 136(3):281-286.
41. **Li-Korotky HS**, Lo CY, Banks JM. Interaction of pneumococcal phase variation, host and pressure/gas composition: virulence expression of NanA, HylA, PspA and CbpA in simulated otitis media. *Microb Pathog* 2010; 49(4):204-210.
42. **Li-Korotky HS**. Age-related hearing loss: Quality of care for quality of life. *The Gerontologist* 2012; 52(2): 265-271.
43. Cohen S, Janicki-Deverts D, Turner RB, Marsland AL, Casselbrant ML, **Li-Korotky HS**, Epel ES, Doyle WJ. Childhood socioeconomic status, telomere length, and susceptibility to upper respiratory infection. *Brain Behav Immun* 2013; 34:31-8.
44. Cohen S, Janicki-Deverts D, Turner RB, Casselbrant ML, **Li-Korotky HS**, Epel ES, Doyle WJ. Association between telomere length and experimentally induced upper respiratory viral infection in healthy adults. *JAMA*. 2013; 309(7):699-705.

Conference Proceedings

1. **Li HS**, Borg EG, Hultcrantz M. Genetic susceptibility of hearing loss to aging and acoustic trauma in mice. *Inner Ear Biology*, 1990, Stockholm, Sweden.
2. **Li HS**, Hultcrantz M, Borg EG. Age-related cochlear structural changes in CBA/Ca and C57BL/6J mice. *Inner Ear Biology*, 1991, Tubingen, Germany.
3. **Li HS**, Hultcrantz M, Borg EG. Age-related changes at the apical region of cochlear hair cells in mouse genotypes. *ARO 15th Midwinter Meeting*, 1992, St. Petersburg, Florida, U.S.A.
4. Canlon B, **Li HS**, Olson L, Hultcrantz M, Borg EG. Keeping an eye open for the ear. *Inner Ear Biology*, 1992, Switzerland.
5. Canlon B, **Li HS**, Olson L, Hultcrantz M, Borg EG. Keeping an eye open for the ear. *ARO 16th Midwinter Meeting*, 1993, St. Petersburg, Florida, USA.

6. Li HS, Borg EG. Auditory degeneration after acoustic trauma in CBA/Ca and C57BL/6J mice. ARO 16th Midwinter Meeting, 1993, St. Petersburg, Florida, USA.
7. Li HS, Niedzielski AS, Beisel KW, Hiel H, Wenthold RJ, Morley BJ. Identification of a glutamate/aspartate transporter in the rat cochlea. Society For Neuroscience 23rd Annual Meeting, 1993, Washington, D.C., USA.
8. Li HS, Wenthold R. Differential display to identify genes preferentially expressed in the cochlea. Molecular Biology of Hearing and Deafness, 1995, p139, Bethesda, MD, U.S.A.
9. Li HS, Heil H, Happe HK, Lindstrom J, Wenthold RJ, Morley BJ. Expression of nicotinic cholinergic subunits in rat cochlea. Molecular Biology of Hearing and Deafness, 1995, p118, Bethesda, Maryland, USA.
10. Happe HK, Li HS, Lindstrom J, Wenthold RJ, Morley BJ. Development of the alpha 7 nAChR subunit and alpha-bungarotoxin binding in the cochlea and auditory brainstem. ARO 19th Midwinter Meeting, 1996, p88 (351), St. Petersburg, Florida, USA.
11. Li HS, Wenthold R. Analysis of gene expression in the cochlea using differential display. ARO 19th Midwinter Meeting, 1996, p186 (744), St. Petersburg, Florida, USA.
12. Achkar JP, Li HS, Whitcomb DC, Wood PG, Lee RG, Ehrlich GD, Luketich PG, Kim R. Identification of differentially expressed genes in the progression of Barrett's epithelium to esophageal adenocarcinoma. Digestive Disease Week, 1997, pA-1006, Washington, DC., USA.
13. Li HS, Achkar JP, Kim R, Wood PG, Lee RG, Ehrlich GD, Luketich JD, Whitcomb DC. Altered gene expression in the metaplastic changes to Barrett's epithelium. Digestive Disease Week, 1997, pA-1005, Washington, DC., USA.
14. Li HS, Deng XY, Wood PG, Guarrita GD, Ehrlich GD, Whitcomb DC. Alcohol ingestion leads to changes in gene expression in the pancreas and key secretory control sites in rats. Digestive Disease Week, 1997, pA-275, Washington, DC., USA.
15. Li HS, Balaban CD, Thompson BS, Rao J, Wood PG, Whitcomb DC, Wenthold RJ. Cloning of a new member of protein 4.1G gene family in guinea pig cochlea. Molecular Biology of Hearing and Deafness, p157, 1998, Washington, D.C., USA.
16. Li HS, Thompson BS, Deng XY, Wood PG, Eagon PK, Whitcomb DC. Ethanol-induced nerve-injury gene expression in pancreas and gastrointestinal neurohormonal sites. Society For Neuroscience 28th Annual Meeting, 1998; 24:1124 (443.14), Los Angeles, CA, USA.
17. Hu FZ, Darden DL, Gorry MC, Dressman D, Li HS, Whitcomb DC, Dohar JE, Ehrlich GD. Identification of genes differentially expressed in a scarless model of wound healing. ARO 21st Midwinter Meeting, 1998; St. Petersburg, Florida, USA.
18. Li HS, Rao J, Thompson BS, Deng XY, Wood PG, Eagon PK, Whitcomb DC. Differential expression of mitochondrial mRNAs in pancreas and control sites of ethanol-fed rats. Gastroenterology 1998, 114;4:G1950.
19. Li HS, Rao J, Thompson BS, Deng XY, Wood PG, Eagon PK, Whitcomb DC. Effect of ethanol on gene expression of MP/PSTI in rat pancreas. Gastroenterology 1998, 114;4:G1951.
20. Li HS, Balaban CD, Thompson BS, Zhang JY, Whitcomb DC, Wenthold RJ. Cloning of the serine protein-specific kinase SRPK2 from the guinea pig organ of Corti. ARO 22th Midwinter Meeting, 1999, St. Petersburg, Florida, USA.

21. Li HS, Hebda PA, Kelly LA, Whitcomb DC, Dohar JE. Differential gene expression of postaglandin receptor EP4 in fetal rabbit wounds of skin and airway. ARO 22nd Midwinter Meeting, 1999; St. Petersburg, Florida, U.S.A.
22. Pfutzer RL, Li HS, Thompson BS, Ford MA, Eagon PK, Whitcomb D.C. Pancreatic cholesterol esterase mRNA expression is upregulated in vivo during chronic ethanol feeding in rats. *Pancreas* 19(4):435. American Pancreatic Association 1999 Meeting, November 3-4, 1999, Chicago, Illinois, USA.
23. Li HS, Thompson BS, Deng XY, Wood PG, Eagon PK, Stolz DB, Whitcomb DC. Cloning of the mitochondrial ATP synthase subunit 9 gene from the pancreas of alcohol-fed rats. Gastroenterology 1999, 116; 4:G14963.
24. Tadic SD, Elm MS, Nanji AA, Li HS, Subbotin VM, Whitcomb DC, Eagon PK. Rat hepatic sodium-dependent bile acid cotransporter gene is differentially expressed in alcohol-induced liver injury. Hepatology 1999; 30: 338A.
25. Li HS, Zhang JY, Wenthold RJ, Whitcomb DC, Balaban CD. Kanamycin-induced over-expression of a mitochondrial 12S ribosomal RNA in guinea pig cochlea. ARO 23th Midwinter Meeting, February 20-24, 2000, St. Petersburg, Florida, USA.
26. Swarts JD, Li HS, Hebda PA, Zeevi A, Doyle WJ. Gene arrays: Acute otitis media in the rat model; AH-HA! There's the forest! ARO 24th Midwinter Meeting, 2001, St. Petersburg, Florida, USA.
27. Li HS, Zhang JY, Deng XY, Thompson BS, Wood PG, Stolz DB, Eagon PK, Whitcomb DC. Altered pancreatic gene expression in alcohol fed rats using microarray analysis of stress and detoxification. Digestive Disease Week, American Gastroenterological Association, May 20-23, 2001, Atlanta, GA, USA.
28. Pfuetzer RH, Tadic SD, Li HS, Thompson BS, Zhang JY, Eagon PK, Whitcomb DC. Cholesterol esterase (CEL), pl 6.1 esterase (ES-10) and fatty acid ethyl ester synthase III (FAEESIII) gene expression are induced in pancreas and liver, but not in brain and heart, of rats chronically fed ethanol. Digestive Disease Week, American Gastroenterological Association, May 20-23, 2001, Atlanta, GA, USA.
29. Li HS, Zhang JY, Balaban CD, Wenthold RJ. Differential gene expression of a calcium-binding protein, calumenin, in the organ of Corti. Molecular Biology of Hearing and Deafness, October 4-7, 2001, Washington, D.C., USA.
30. Li HS, Swarts DJ, Chen A, Zhang JY, Dohar JE, Doyle WJ, Hebda PA. Suppression of sodium channel, sodium pump, and sodium-hydrogen exchanger mRNAs during pneumococcal acute otitis media in the rat. ARO 25th Midwinter Meeting, 2002, St. Petersburg, Florida, USA.
31. Balaban CD, Zhou JX, Li HS. Expression of type 1 vanilloid receptor (VR1) and 5-lipoxygenase (5-LO) by rat vestibular and auditory ganglion cells. ARO 25th Midwinter Meeting, 2002, St. Petersburg, Florida, USA.
32. Lo N, Lo CY, Dohar JE, Hebda PA, Li HS. Differential gene expression of three inter-related inflammatory modulators in airway wound tissue. Summer Research Program in Children's Hospital of Pittsburgh, 2002, Pittsburgh, PA.
33. Beck J, Lo CY, Hebda PA, Dohar JE, Li HS. Differential gene expression of EP4 receptors in postnatal wound repair. Summer Research Program in Children's Hospital of Pittsburgh, 2002, Pittsburgh, PA.
34. Li HS, Swarts DJ, Hebda PA, Doyle WJ. Expression of genes encoding lysosomal cysteine proteases in the middle ear mucosa during pneumococcal otitis media in the rat. Proceedings of the 8th International Symposium. Recent Advances in Otitis Media with Effusion, Eds. Lim DJ, Bluestone CD, and Casselbrant M. June 3-7, Fort Lauderdale, Florida, USA, BC Decker, Inc., Canada, 2003;101.

35. Hebda PA, Chen A, **Li-Korotky HS**, Swarts JD. Gene expression in a rat model of otitis media with effusion - a preliminary report. *Proceedings of the 8th International Symposium. Recent Advances in Otitis Media with Effusion*. Eds. Lim DJ, Bluestone CD, and Casselbrant ML. June 3-7, Fort Lauderdale, Florida, USA, BC Decker, Inc., Canada, 2003;351-3.
36. Kitahara T, **Li-Korotky HS**, Balaban CD. Effects of Dihydroxybenzoate on kanamycin-distribution in kanamycin-treated mice. *27th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 22-26, 2004, Daytona Beach, FL, USA.
37. **Li-Korotky HS**, Lo CY, Banks JM, Kitahara T, Doyle WJ, Balaban CD. Differential expression of genes encoding mitochondrial uncoupling proteins in mouse middle ear mucosa after bacterial lipopolysaccharide challenge. *27th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 22-26, 2004, Daytona Beach, FL, USA.
38. **Li-Korotky HS**, Lo CY, Banks JM, Doyle WJ, Swarts JD, Hebda PA, Alper CM. Expression and regulation of middle ear epithelial ion transporters in lipopolysaccharide-induced acute otitis media of Nos2-deficient mice. *27th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 22-26, 2004, Daytona Beach, FL, USA.
39. **Li-Korotky HS**, Banks JM, Lo CY, Doyle WJ, Alper CM, Swarts JD. Expression and regulation of the pattern recognition receptors, toll-like receptors, in murine acute otitis media induced by lipopolysaccharide. *27th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 22-26, 2004, Daytona Beach, FL, USA.
40. **Li-Korotky HS**, Hebda PA, Lo CY, Kelly LA, Dohar JE. Differential gene expression of RNA splicing factor, Sfrs3, in airway wounds of fetal, weanling and adult rabbits. *19th Annual American Society of Pediatric Otolaryngology Meeting*, May 2-3, 2004, Phoenix, AZ, USA.
41. Sandulache VC, **Li-Korotky HS**, Dohar JE, Hebda PA. Prostaglandin E2 inhibits fibroblast migration: implications for wound healing. *Wound Healing Society 14th Annual Meeting*, May 23-26, 2004, Atlanta, GA, USA.
42. **Li-Korotky HS**, Hebda PA, Lo CY, Dohar JE. Differential gene expression of Ptger4 in skin and airway wounds of fetal, weanling and adult rabbits. *Science 2004: No Boundaries*, October 6-8, 2004, University of Pittsburgh, Pittsburgh, PA, USA.
43. **Li-Korotky HS**, Banks JM, Lo CY, Doyle WJ. Developmental changes in expression patterns of pattern recognition receptors in middle ear in lipopolysaccharide induced acute otitis media in rats. *28th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 19-24, 2005, Fairmont Hotel, New Orleans, LA, USA.
44. **Li-Korotky HS**, Hebda PA, Lo CY, Dohar JE. Differential expression of prostaglandin E receptors in skin and airway wounds of fetal, weanling and adult rabbits. *28th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 19-24, 2005, Fairmont Hotel, New Orleans, LA, USA.
45. Balaban CD, **Li-Korotky HS**, Kitahara T. Mouse vestibular ganglion cells express mitochondrial uncoupling protein 1 (thermogenin). *28th Annual Association for Research in Otolaryngology Mid-Winter Meeting*, February 19-24, 2005, Fairmont Hotel, New Orleans, LA, USA.
46. Sandulache VC, **Li-Korotky HS**, Dohar JE, Hebda PA. Interleukin-1b regulates the secretion of, but not expression of receptors for prostaglandin E2. Wound Rep Reg 2005; 13:A15. *Wound Healing Society 15th Annual Meeting*, May 23-26, 2005, Atlanta, GA, USA.

47. Hebda PA, Sandulache VC, **Li-Korotky HS**, Dohar, JE. Prostaglandin E2 regulates normal and keloid fibroblast migration and collagen synthesis: Implications for wound healing. *Wound Rep Reg* 2005; 13:A45. *Wound Healing Society 15th Annual Meeting*, May 23-26, 2005, Atlanta, GA, USA.
48. Cavallo JA, Leaphart CL, **Li-Korotky HS**, Lo CY, Li J, Hackam DJ. The expression and function of toll like receptor 4 in enterocytes are enhanced by lipopolysaccharide in vitro and during systemic endotoxemia. *160 American Medical Association Annual Meeting*, November, 4, 2005, Dallas, TX, USA.
49. **Li-Korotky HS**, Hebda PA, Lo CY, Dohar JE. Differential gene expression of the three fibronectin spliced domains in fetal and postnatal rabbit airway mucosal and skin wounds (Podium presentation). *21st Annual American Society of Pediatric Otolaryngology Meeting*, May 20-22, 2006, Chicago, IL, USA.
50. MacKechnie CA, **Li-Korotky HS**, Lo CY, Hebda PA, Mandell DL. Interleukin-1B and interleukin-6 inhibit middle ear epithelial sodium channel and sodium pump mRNA production. *21st Annual American Society of Pediatric Otolaryngology Meeting*, May 20-22, 2006, Chicago, IL, USA.
51. Sandulache VC, **Li-Korotky HS**, Dohar JE, Hebda PA. Elucidating the role of interleukin-1B and prostaglandin E2 in subglottic mucosal wound inflammation and healing (Podium presentation). *21st Annual American Society of Pediatric Otolaryngology Meeting*, May 20-22, 2006, Chicago, IL, USA.
52. Zeng FR, Banks JM, Lo CY, **Li-Korotky HS**. Interaction of host, pathogen and micro-environment in otitis media. *Summer Research conference in Children's Hospital of Pittsburgh*, August 18, 2006, Pittsburgh, PA.
53. Lo D, Lo CY, Banks JM, **Li-Korotky HS**. Age-dependent and tissue-specific DNA damage and repair in age-related hearing loss. *Summer Research Conference in Children's Hospital of Pittsburgh*, August 18, 2006, Pittsburgh, PA.
54. MacKechnie CM, **Li-Korotky HS**, Lo CY, Hebda PA, Mandell DL. Tumor necrosis factor- α inhibits middle ear epithelial sodium channel and sodium pump mRNA production. *Annual American Academy of Otolaryngology-Head and Neck Surgery Foundation (AAO-HNSF) Meeting*, September 17-20, 2006, Toronto, Ontario, Canada.
55. **Li-Korotky HS**, Lo CY, Banks JE, Zeng F, Watkins S, Swarts JD. Interaction of pneumococcal phenotypic virulence, human middle ear mucosal epithelium, and middle ear pathological environment. *The 9th International Symposium in Recent Advances in Otitis Media*. June 3-7, 2007, St. Petersburg, Florida, USA.
56. Saeler B, Lo N, Sandulache V, Lo CY, Dohar JE, Hebda PA, **Li-Korotky HS**. Alternative splicing of fibronectin mRNAs in airway mucosa wounds. *Summer Research Conference in Children's Hospital of Pittsburgh*, August 9, 2007, Pittsburgh, PA.
57. Cullen-Doyle A, **Li-Korotky HS**. Expression of the pattern recognition receptors, Toll-like receptors, in mouse middle ear epithelial cells induced by lipopolysaccharide. *Science2009 Unplugged University of Pittsburgh Annual Meeting*, October 15 - October 16, 2009, Alumni Hall, University of Pittsburgh, PA, USA.
58. El-Kady M, **Li-Korotky HS**, Durrant JD, Palmer CV, Sabo D. Interferon-alpha signaling pathway in the sensory auditory neuroepithelial cells. *Science2009 Unplugged University of Pittsburgh Annual Meeting*, October 15 - October 16, 2009, Alumni Hall, University of Pittsburgh, PA, USA.
59. Cullen-Doyle A, **Li-Korotky HS**. Expression of Inflammatory Cytokines in Mouse Middle Ear Epithelial Cells Induced by Lipopolysaccharide. *10th Annual School of Arts and Sciences Grad Expo*, March 22, 2010, William Pitt Student Union, University of Pittsburgh.
60. **Li-Korotky HS**, Sandulache V, Lo N, Brynn S, Lo CY, Barsic M, Dohar JE, Hebda PA. Early gene expression of fibronectin spliced variants, IL1b, and collagen proteins in vocal fold mucosa during laser-induced subglottic injury in rabbit model. *The Symposium on Advanced Wound Care and*

the Wound Healing Society 2010, April 17-20, 2010, Gaylord Palms Hotel And Convention Center, Orlando, Florida, USA.

61. Cohen MS, Lo CY, **Li-Korotky HS**. Differential cochlear gene expression in a rat model of acute pneumococcal otitis media. American Society of Pediatric Otolaryngology Annual Meeting, April 30 - May 2, 2010, Las Vegas, Nevada, USA.
62. Cullen-Doyle A, **Li-Korotky HS**. Expression of the pattern recognition receptors, Toll-like receptors, in mouse middle ear epithelial cells induced by lipopolysaccharide. American Society of Pediatric Otolaryngology Annual Meeting, April 30 - May 2, 2010, Las Vegas, Nevada, USA.
63. **Li-Korotky HS**, Lo CY, Banks JM, Swarts JD. *Streptococcus pneumoniae* induced inflammation-associated molecular patterns under conditions simulating Eustachian tube obstruction. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
64. **Li-Korotky HS**, Lo CY, Banks JM. Synergistic effects of pneumococcal phase variation and tympanostomy tube placement on inflammation-associated molecular patterns in simulated otitis media. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
65. **Li-Korotky HS**, Lo CY, Cullen-Doyle A, Banks JM, Yuksel S. Middle ear Cd14 gene expression during Eustachian tube obstruction and acute otitis media Induced by *Streptococcus pneumoniae*. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
66. **Li-Korotky HS**, Cullen-Doyle A. Inflammation-associated molecular patterns in mouse middle ear epithelial cells exposed to *Pseudomonas aeruginosa* lipopolysaccharide. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
67. Cullen-Doyle A, **Li-Korotky HS**. Innate sensing of pathogen/damage-associated molecular patterns in pseudomonas lipopolysaccharide challenged middle ear epithelial cells. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
68. Hebda P, McLevy J, **Li-Korotky HS**, Cullen-Doyle A, Lo CY, Yuksel S, Dohar JE. Monocyte chemotactic protein-1 contributes to middle ear inflammation in a mouse model of OME induced by Eustachian tube obstruction. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA
69. Hebda P, **Li-Korotky HS**, Lo CY, Yuksel S, Dohar JE. Expression of inflammatory mediators in the middle ear of immunodeficient mice with OME induced by Eustachian tube obstruction. 10th International Symposium on Recent Advances in Otitis Media, June 5 - 9, 2011, New Orleans, USA

Magazine Contributions

1. **Li-Korotky HS**, Korotky WD. A Link between Cardiovascular Diseases and Hearing Loss: A Growing Role for Audiologists. Nov. 2012, EzineArticles.com.
2. **Li-Korotky HS**, Korotky WD. Hearing health - Why Audiologist. March 2013, Bend Life, hibü Magazine.
3. **Li-Korotky HS**, Korotky WD. Hearing Health - The Process of Hearing. April 2013, Bend Life, hibü Magazine.
4. **Li-Korotky HS**, Korotky WD. Hearing Health - The Consequences of Untreated Hearing Loss. May 2013, Bend Life, hibü Magazine.
5. **Li-Korotky HS**, Korotky WD. Hearing Health - Cardiovascular Diseases and Hearing Loss. June 2013, Bend Life, hibü Magazine.

6. Li-Korotky HS, Korotky WD. Hearing Health - Tinnitus. July 2013, Bend Life, hibü Magazine.
7. Li-Korotky HS, Korotky WD. Hearing Health - Noise-Induced Hearing Loss. August 2013, Bend Life, Bend, Oregon.
8. Li-Korotky HS, Korotky WD. Hearing Health - Age-Related Hearing Loss. September 2013, Bend Life, hibü Magazine.
9. Li-Korotky HS, Korotky WD. Hearing Health - Hearing Loss and Dementia. October 2013, Bend Life, hibü Magazine.
10. Li-Korotky HS, Korotky WD. Hearing Needs - Hearing Loss and Hearing Aids. November 2013, Bend Life, hibü Magazine.
11. Li-Korotky HS, Korotky WD. Hearing Health - Hearing Loss and Depression. December 2013, Bend Life, hibü Magazine.
12. Li-Korotky HS, Korotky WD. Hearing Health - Hearing Aids and Real-Ear Measures. January 2014, Bend Life, hibü Magazine.

GenBank Database (NCBI, NLM, NIH)

1. Li HS, Zhang JY, Thompson BS, Deng XY, Michael EF, Wood PG, Stolz DB, Eagon PK, Whitcomb DC. Rat mitochondrial ATP synthase ATP5G3 mRNA, complete cds.
GenBank Accession No: AF315374, 2001, National Center for Biotechnology Information (NCBI), National Library of Medicine (NLM), National Institutes of Health (NIH), Bethesda, MD, USA.
2. Li HS, Hebda PA, Kelly LA, Eherlic GD, Whitcomb DC, Dohar JE. Oryctolagus cuniculus RNA splicing factor arginine/serine-rich 3 (SFRS3) mRNA, partial cds.
GenBank Accession No: AF401290, 2001, NCBI, NLM, NIH, Bethesda, MD, USA.
3. Li HS, Zhang JY, Whitcomb DC, Balaban CD, Wenthold RJ. Cavia porcellus serine protein-specific kinase (SRPK2) mRNA, partial cds.
GenBank Accession No: AF411046, 2001, NCBI, NLM, NIH, Bethesda, MD, USA.
4. Li HS, Zhang JY, Balaban CD, Wenthold RJ. Cavia porcellus calumenin mRNA, partial cds.
GenBank Accession No: AF425675, 2001, NCBI, NLM, NIH, Bethesda, MD, USA.
5. Li-Korotky HS, Hebda PA, Kelly LA, Lo CY, Dohar JE. Oryctolagus cuniculus fibronectin 1 (Fn1) mRNA, 3' UTR.
GenBank Accession No: DQ022369, 2005, NCBI, NLM, NIH, Bethesda, MD, USA

PROFESSIONAL ACTIVITIES

CLINICAL PRACTICE

<u>Position</u>	<u>Activity</u>	<u>Location</u>	<u>Period</u>
Attending physician Otolaryngologist Otologist	Diagnosis and treatment of ear, nose, throat, head and neck disorders, Ear Specialist	Department of Otolaryngology Beijing Hospital Beijing, China	1985-1988

Clinic Audiologist	Diagnosis and treatment of Hearing loss and balance disorders Hearing aid amplifications	Division of Audiology Beijing Hospital Beijing, China	1985-1988
Au.D. Candidate Clinic Audiologist	Diagnosis and treatment of Hearing loss and balance disorders Hearing aid amplifications Tinnitus evaluation and treatment Auditory processing disorders Cochlear implant programming Bone anchored hearing aids Auditory training & aural rehabilitation	Center for Audiology and Hearing Aid Services Department Otolaryngology University of Pittsburgh Medical Center (UPMC) Pittsburgh, PA, USA	2006-2011
Clinic Audiologist	Diagnosis and treatment of Hearing loss and balance disorders Hearing aid amplifications	Central Oregon ENT LLC Bend, Oregon, USA	2011-2012
Chief Audiologist	Diagnosis of hearing loss Hearing aid amplifications Tinnitus evaluation and treatment Auditory processing disorders Auditory training & rehabilitation	Pacific Northwest Audiology LLC Bend, Oregon, USA	2012-

BUSINESS CONCEPT, DEVELOPMENT, MANAGEMENT AND GROWTH

<u>Position</u>	<u>Activity</u>	<u>Location</u>	<u>Period</u>
Owner CEO	Pacific Northwest Audiology LLC (Small business start-up, 2-4 employees)	516 S.W. 13 th Street Suite 102, Bend, Oregon 97702	2012-2016
Owner CEO	Pacific Northwest Audiology LLC (Business growth, 7-10 employees)	2205 NW Shevlin Park Rd Bend, Oregon 97703	2016-

RESEARCH GRANTS & ACTIVITIES

<u>Grant</u>	<u>Project</u>	<u>Period</u>
NIH/NCCAM/AT005799 (Government)	Stress, Cellular Aging and Susceptibility to Infectious Disease (Project Director)	2009-2011
NIH/DC007197 (Government)	Pathogenesis of Otitis Media with Effusion (Co-Investigator)	2006-2011
NIH/DC007667 (Government)	Middle Ear Pressure Regulation in Health and Disease (Co-Investigator)	2006-2011
MPC 08-01-1 (Mellon Pitt Corporation Tobacco State Funds)	Genetic Vulnerabilities to Stress-Elicited Risk for Upper Respiratory Infectious Illness (Project Director)	2009-2010

NIH/DC007437 (Government)	Subglottic Stenosis and Laryngotracheal Mucosal Healing (Co-Investigator)	2006-2010
NIH/DC007511 (Government)	In Vivo Virulence Gene Expression in Acute otitis Media (Principal Investigator)	2005-2009
MacArthur Foundation	Psychosocial Genotype Interactions as Predictors of HPA (Principal Investigator)	2006-2009
Office of Naval Research (Government)	Biochemical and Molecular Characterizations of Traumatic Blast-Induced Brain Injury (Co-Investigator)	2007-2008
NIH/DK61451 (Government)	North American Pancreatitis Study 2 (NAPS2) (Co-Investigator)	2001-2003
NIH/AI98006 (Government)	Impact of Aerosol Cyclosporine in Lung Transplantation (Co-Investigator)	2001-2002
Center Grant (Ctr. for Genomic Sci.)	Molecular Cloning Ototoxin-Responsive Genes (Principal Investigator)	1999-2000
Research Award (GA-1705) (Pennsylvania Lions Hearing Research Foundation)	Cloning Differentially Expressed Genes in Ototoxicity (Principal Investigator)	1999-2000
NIH/DC01260 (Government)	Basic and Clinical Studies in Otitis Media (Co-Investigator)	1998-2004
Research Award (NOHR) (National Organization of Hearing Research Foundation)	Identifying Genes Selectively Expressed in the Organ of Corti (Principal Investigator)	1997-1998
NIH/AA10885 (Government)	Alcohol and Altered Regulation of Pancreatic Secretion (Co-Investigator)	1995-2000

INVITED LECTURES

- 1993 Genetic influences on susceptibility of the auditory system to aging and environmental factors.** Department of Genetics, Boys Town National Research Hospital, Omaha, NE.
- 1995 Differential display to identify genes preferentially expressed in the cochlea.** Department of Pathology, University of Pittsburgh School of Medicine, Pittsburgh, PA.
- 1998 Invited scientific speaker in NIDCD Research Opportunities Workshop: Biology of noise-induced hearing loss.** National Institute on Deafness and other Communication Disorders (NIDCD), National Institute of Health (NIH), Bethesda, MD.
- 2001 Gene microarray: unraveling complex biological and pathological processes.** Section of Allergy/Immunology, Department of Pediatrics, University Pittsburgh School of Medicine.
- 2002 Differential gene expression and gene discovery in otolaryngology: Otitis media.** Department of Pediatric Otolaryngology, University Pittsburgh School of Medicine.

- 2003 Differential gene expression and gene discovery in otolaryngology: Scarless wound healing.** Department of Pediatric Otolaryngology, University Pittsburgh School of Medicine.
- 2004 Hunting for scarless wound healing genes.** MIRM Wound Healing Research Conference, University Pittsburgh School of Medicine.
- 2004 Signal transduction of sodium transport in acute otitis media.** Department of Pediatric Otolaryngology, University Pittsburgh School of Medicine.
- 2005 What we have learnt from differential gene expression of scarless wound healing.** McGowan Institute for Regenerative Medicine, Wound Healing Research Conference, University Pittsburgh School of Medicine.
- 2007 Functional Genomics and Beyond.** Research Round Table Seminar, 5037 Forbes Tower, February 7, 2007, Department of Communication Science and Disorders, University of Pittsburgh School of Health and Rehabilitation Sciences, Pittsburgh.
- 2008 Dose-dependent regulation of fibronectin spliced variants in laser-injured vocal folds.** Wound Healing Research Conference hosted by McGowan Institute for Regenerative Medicine, December 16, 2008, EEI 5th FL Conference Room, University Pittsburgh School of Medicine.
- 2010 Genotoxic Stress induced DNA Damage/Repair in Age-Related Hearing Loss.** Research in Progress on the Basic Biology of Aging, October 15, 2010, Bridgeside Point II Conference Room, University of Pittsburgh School of Medicine.
- 2012 Age-Related Hearing Loss - Facts, Impacts, and Solutions.** Health Fair, September 20, 2012, Bend Senior Center, Bend, Oregon.
- 2013 My Journey to Pacific Northwest Audiology.** February 11, 2013, Lions Club Crooked River Ranch, Crooked River Ranch, Oregon.
- 2013 Age-Related Hearing Loss - Consequences of Untreated Hearing Loss.** April 29, 2013, Lions Club Crooked River Ranch, Crooked River Ranch, Oregon.
- 2013 Ringing in the Ears: Causes and Management.** May 3, 2013, 2013 COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2016 Consequences of untreated hearing loss: Dementia.** October 19, 2016, National Active and Retired Federal Employees Association (NARFE) Conference, Redmond, Oregon.
- 2018 Hear Better, Live Better: How Hearing Technology Changes Our Lives.** April 11, 2018, Bend Senior Center, Bend, Oregon.
- 2018 Hearing Loss and Dementia.** September 18, 2018, Redmond Senior Center, Redmond, Oregon.

PATIENT EDUCATION SEMINARS

- 2014 Hearing Aid Technology Expo.** November 16, 2014, Pacific Northwest Audiology 1st Conference, Hampton Inn, Bend, Oregon.
- 2015 Age-Related Hearing Loss.** March 11, 2015, Pacific Northwest Audiology 2nd Conference, Hampton Inn, Bend, Oregon.
- 2015 Hearing Loss Can End Badly!** June 24, 2015, Pacific Northwest Audiology 3rd Conference, Hampton Inn, Bend, Oregon.

- 2015 **Ringling in the Ear, Blame the Brain.** October 14, 2015, Pacific Northwest Audiology 4th Conference, Hampton Inn, Bend, Oregon.
- 2016 **Hearing loss: your brain slips away....** July 20, 2016, Pacific Northwest Audiology 5th Conference, Hampton Inn, Bend, Oregon.
- 2016 **Tinnitus: Risk Factors, Prevention, & Treatment.** September 14, 2016, Pacific Northwest Audiology 6th Conference, Hampton Inn, Bend, Oregon.
- 2017 **Hearing Health Matters.** February 2, 2017, Pacific Northwest Audiology 7th Conference, Mount Bachelor Village Conference Center, Bend, Oregon.
- 2017 **At the Crossroads of Psychology & Hearing Science.** May 11, 2017, Pacific Northwest Audiology 8th Conference, Conference Center at Riverhouse On the Deschutes, Bend, Oregon.
- 2017 **Hearing Loss & Pandemics of Social Isolation.** October 20, 2017, Pacific Northwest Audiology 9th Conference, Mount Bachelor Village Conference Center, Bend, Oregon.
- 2017 **Sounds: How Sounds Affect Human Lives.** January 18, 2017, Pacific Northwest Audiology 10th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Causes of Hearing Loss.** March 15, 2017, Pacific Northwest Audiology 11th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Hearing Loss: Should I Get Treated?** May 17, 2017, Pacific Northwest Audiology 12th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Tinnitus: Current Clinical Practice Guidelines.** July 19, 2017, Pacific Northwest Audiology 13th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Tinnitus Management: Cognitive Behavior Therapy and Mindfulness Based Stress Reduction.** September 20, 2017, Pacific Northwest Audiology 14th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Noise-Induces Hearing Loss: Dangerous Decibels and Hearing Protection.** October 18, 2017, Pacific Northwest Audiology 15th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2017 **Auditory Processing and Rehabilitation.** November 15, 2017, Pacific Northwest Audiology 16th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2018 **Hearing Loss: Genetic Factors.** January 17, 2018, Pacific Northwest Audiology 17th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2018 **Dual Sensory Loss in Aging Population.** March 21, 2018, Pacific Northwest Audiology 18th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2018 **Dizziness.** April 18, 2018, Pacific Northwest Audiology Conference Room, Pacific Northwest Audiology 19th Conference, Northwest Shevlin Health Wellness Center, Bend Oregon.

- 2018 **Asymmetrical Hearing Loss.** May 16, 2018, Pacific Northwest Audiology 20th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2018 **Plasticity in Aging Brains.** July 18, 2018, Pacific Northwest Audiology 21th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2018 **Cognitive Brain Hearing Aids.** September 19, 2018, Pacific Northwest Audiology 22nd Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2019 **Hearing Restoration: Can My Lost Hearing Be Restored?** February 20, 2019, Pacific Northwest Audiology 23rd Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2019 **Hearing and Brain Connections.** April 17, 2019, Pacific Northwest Audiology 24th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2019 **Troubling Sounds of Tinnitus.** June 19, 2019, Pacific Northwest Audiology 25th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2019 **Auditory Rehabilitation: Hearing Loss Treatment Beyond Hearing Aids.** August 21, 2019, Pacific Northwest Audiology 26th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.
- 2019 **Hearing Healthcare: Myths and Update.** October 16, 2019, Pacific Northwest Audiology 27th Conference, Pacific Northwest Audiology Conference Room, Northwest Shevlin Health Wellness Center, Bend Oregon.

TEACHING ACTIVITIES

- 1995-2011 **Mentor/Co-Mentorship in Training of Otolaryngology and Molecular Biology**
(Students, fellows, faculties, and technicians)
Center for Genomic Sciences & Departments of Otolaryngology and Medicine, University of Pittsburgh School of Medicine
- 1995-2011 **Delivered Lectures in Otolaryngology and Molecular Biology**
To Clinic Fellows of the Division of Pediatric Otolaryngology, Children's Hospital of Pittsburgh
- 2005-2011 **Preceptor in Pediatric Training in Pediatric Otolaryngology (NIH T32 training grants)**
Division of Pediatric Otolaryngology, Children's Hospital of Pittsburgh. Activities include training and supervising lab skills (molecular biology and genetics, small animal middle ear and inner ear surgical skills) and developing research projects.
- 2008-2011 **Faculty Mentor** for college students in the First Experiences in Research Program, School of Arts and Sciences, University of Pittsburgh. Teaching activities include 5-10 hrs/week contact time for training and supervising lab skills, data acquisition and analysis, literature search, abstract submission and poster presentations in research conferences.
- 2006-2011 **Co-Chair and Co-Mentor** in PhD Graduate Committee, Accreditation Council Graduate Medical Education, Department of Communication Science and Disorders, School of Health and Rehabilitation Sciences, University Pittsburgh.
- PhD Graduate Student: Dr. Mona Anwar M. H. El-Kady (2010): INTERFERON-ALPHA SIGNALING PATHWAY IN THE SENSORY AUDITORY NEUROEPITHELIAL CELLS. Doctoral Dissertation, Department of Communication Science & Disorders, University of Pittsburgh School of Health and Rehabilitation Sciences (Assistant Professor at Our Lady of the Lake University, San Antonio, Texas)

2013 - Preceptor for Audiology Internship /Externship Students for Clinic Doctor in Audiology Programs

AuD Interns:

Dr. Carly Gauché AuD - School of the Audiology, Pacific University (2013)
ProHealth Hearing and Balance, Farmington, Connecticut

Dr. Nicholas Jon Fowler AuD - School of the Audiology, Pacific University (2013)
Audiology Department of VA Roseburg Health Care System, Roseburg, OR

Dr. MaryAnn Leonard AuD - School of the Audiology, Pacific University (2014)
Sound Advice Hearing Clinic, Ontario, Canada

Dr. Ryan S. O'Clair AuD - School of the Audiology, Pacific University (2014)
Blamey Saunders Hears, Sydney, Australia

Dr. Mindy L Dimitri AuD - School of the Audiology, Pacific University (2015)
Willamette ENT Hearing Center, Salem, Oregon

AuD Externs:

Dr. Ryan S. O'Clair AuD - School of the Audiology, Pacific University (2014-2015)
Blamey Saunders Hears, Sydney, Australia

Dr. Mindy L Dimitri AuD - School of the Audiology, Pacific University (2015-2016)
Willamette ENT Hearing Center, Salem, Oregon

Dr. Rebecca R Frank AuD - A.T. Still University, Arizona School of Health Sciences (2017-2018)
Military Audiologist at Fort Bragg, North Carolina

Amy Winkler, AuD Extern, AuD Program at The University of Texas, Austin, Texas (2020-2021)

COMMUNITY OUTREACH

- 2012 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 20, 2012, Bend Senior Center, Bend, Oregon.
- 2013 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 3-5, 2013, 2013 COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2014 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 2-4, 2014, COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2014 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Jul 30th - Aug 3rd, 2014, Deschutes County Fair, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2014 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** September 13-14, 2014, COBA Fall Home & Garden Show, Athletic Club of Bend, Bend, Oregon.
- 2014 Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 16, 2014, Bend Senior Center, Bend, Oregon.

- 2014 **Hearing Healthcare Showcase: Education, Prevention & Ear & Hearing Screening.** October 7, 2014, Bend Chamber of Commerce, Riverhouse Convention Center, Bend, Oregon.
- 2015 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 22, 2015, Bend Senior Center, Bend, Oregon.
- 2015 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 1-3, 2015, COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2015 **Hearing Healthcare Showcase: Education, Prevention & Ear & Hearing Screening.** October 28, 2015, Best in Business Showcase, Bend Chamber of Commerce, Riverhouse Convention Center, Bend, Oregon.
- 2016 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 6-8, 2016, COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2016 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 20, 2016, Bend Senior Center, Bend, Oregon.
- 2017 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, April 29, 2017, Sunriver Annual Health & Home Improvement Expo, Sunriver, Oregon.
- 2017 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 5-7, 2017, COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2017 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 19, 2017, Bend Senior Center, Bend, Oregon.
- 2018 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** May 4-6, 2018, COBA Spring Home & Garden Show, Deschutes County Fair and Expo Center, Redmond, Oregon.
- 2018 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** June 16-17, 2018, Bite of Bend Health Fair, Downtown Bend, Oregon.
- 2018 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, September 25, 2018, Bend Senior Center, Bend, Oregon.
- 2019 **Hearing Healthcare Tradeshow: Education, Prevention & Ear & Hearing Screening.** Health Fair, October 1, 2019, Bend Senior Center, Bend, Oregon.
- 2017 - Present **Free Hearing Screening for Seniors.** 10-11:30 AM, Every Tuesday of the end each Quarter (every 3 months), Bend Senior Center, Bend, Oregon.
- 2017 - Present **Free In-House Hearing Healthcare Staff Training.** Nursing Homes (by request)

PHILANTHROPY ACTIVITIES

- 2012 - **Lions Club International** (lionsclubs.org)
Hearing healthcare provider in Central Oregon
- 2012 - **Bend Senior Center** (bendparksandrec.org/senior_center/)
Free hearing healthcare and educational seminars
- 2013 - **Volunteer in Medicine (VIM) Clinic of the Cascades** (vim-cascades.org).
Free hearing healthcare