

CURRICULUM VITAE**Li Xu, M.D., Ph.D.****Present Address:**

Hearing, Speech & Language Sciences
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Academic Positions:

2015 – present	Professor	Ohio University
2020 – present	Visiting Professor	Asia University, Taiwan
2016 – 2020	Visiting Professor	Shenzhen The Second People's Hospital/The First Affiliated Hospital of Shenzhen University Medical School, Shenzhen, China
2005 – present	Visiting Professor	Capital Medical University, Beijing, China
2005 – 2015	Associate Professor	Ohio University
2001 – 2005	Assistant Professor	Ohio University
2001 – 2015	Adjunct Faculty	Kresge Hearing Research Institute, Department of Otolaryngology, University of Michigan
1988 – 1991	Research Assistant Professor	Beijing Institute of Otolaryngology
1988 – 1991	Resident in Otolaryngology	Beijing Tongren Hospital, Beijing

Education & Training:

7/1999-8/2001	Postdoctorate Fellow	Kresge Hearing Research Institute Department of Otolaryngology University of Michigan Supervisor: Bryan E. Pflugst, Ph.D.
2/1999-7/1999	Postdoctorate Fellow	Kresge Hearing Research Institute Department of Otolaryngology University of Michigan Supervisor: John C. Middlebrooks, Ph.D.
1992-1999	Ph.D. (Neuroscience)	Department of Neuroscience University of Florida College of Medicine

Mentor: John C. Middlebrooks, Ph.D.

1991-1992	Research Fellow	Department of Otorhinolaryngology, Universitätsspital Basel, University of Basel Basel, Switzerland Supervisors: C.R. Pfaltz, M.D./R. Probst, M.D.
1985-1988	Master of Medicine (Otolaryngology)	Capital Medical University Beijing, China Advisor: Ying-Shi Zhao, M.D.
1980-1985	Bachelor of Medicine (M.D. equivalent)	Nanhua University Hengyang Medical College Hunan, China President: Yong-Zhong Yang, M.D.

Awards, Honors & Scholarships:

May, 2024	Fellow	The Acoustical Society of America (ASA)
April, 2016	CHSP Faculty Research and Creative Activity Award	College of Health Sciences and Professions, Ohio University
2015-2019	AREA Grant (R15 DC014587)	NIH/NIDCD
April, 2015	CHSP Outstanding Teaching Award	College of Health Sciences and Professions, Ohio University
May, 2009	CHHS Faculty Research and Creative Activity Award	College of Health and Human Services, Ohio University
2009-2010	Sponsor of F31 Grant (Ruth L. Kirschstein National Research Service Award F31-DC009919)	NIH/NIDCD
2008-2012	AREA Grant (R15 DC009504)	NIH/NIDCD
Sept., 2007	Research Challenge Award	Ohio University
2007-2008	Nomination of Outstanding Teaching Award	College of Health and Human Services, Ohio University
2007-2008	Nomination of Presidential Teacher Award	Ohio University
October, 2006	Scholarly Activity Award	College of Health and Human Services, Ohio University
May, 2006	CHHS Faculty Research and Creative Activity Award	College of Health and Human Services, Ohio University
May, 2005	Nomination of CHHS Faculty Research and Creative Activity Award	College of Health and Human Services, Ohio University
2005-2009	Small Grant (R03 DC006161)	NIH/NIDCD
May, 2004	Scholarly Activity Award	College of Health and Human Services, Ohio University
Sept., 2003	Research Challenge Award	Ohio University
May, 2003	Research Challenge Award	Ohio University
2001-2002	Nomination of Outstanding Teaching Award	College of Health and Human Services, Ohio University
2002-present	Citations	Marquis Who's Who in America

August, 2001	Travel Award	Conference on Implantable Auditory Prostheses
2000-2001	Individual National Research Service Award (F32 DC00470)	NIH/NIDCD
1999-2000	Hearing & Chemical Senses Training Grant (T32 DC00011)	University of Michigan
1997-1998	Hearing & Chemical Senses Training Grant (T32 DC00011)	University of Michigan
March, 1995	International Student Academic Award	University of Florida
1991-1992	Research Fellowship	Swiss National Research Foundation
1990	Scientific Progress Award	Beijing Municipal Science and Technology Commission
1984	Academic Award	Hengyang Medical College

Academic Societies:

Since 2024	Fellow	The Acoustical Society of America (ASA)
2019, 2023	Member	International Phonetic Association (IPA)
Since 2016	Member	American Cochlear Implant Alliance (ACIA)
Since 2016	Member	International Speech Communication Association (ISCA)
2011	Member	International Association for the Study of Child Language (IASCL)
Since 2005	Member	American Auditory Society (AAS)
2004 – 2024	Member	The Acoustical Society of America (ASA)
Since 1999	Member	Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum (CORLAS)
Since 1996	Member	Association for Research in Otolaryngology (ARO)

Professional Services:

Editorial Board Member

Journal of Otology (Since 2006)
Chinese Journal of Otology (Since 2006)
Chinese Journal of Otolaryngology – Head & Neck Surgery (Since 2012)
Journal of Clinical Otolaryngology Head and Neck Surgery (Since 2012)
World Journal of Otorhinolaryngology - Head and Neck Surgery (2015 - 2025)

Associate Editor

The Journal of the Acoustical Society of America (since summer 2022)
Ear & Hearing (Guest Editor, 2009, 2019)
Journal of Speech, Language, and Hearing Research (Guest Editor, 2013, 2023)

Journal Reviewer (Since 1999)

Acta Otolaryngologica
American Journal of Audiology
Annals of Otolaryngology, Rhinology & Laryngology
Audiology & Neurotology
BioMed Research International
BMC Neuroscience
Chinese Journal of Otolaryngology
Cochlear Implants International
Ear and Hearing
Frontiers in Neuroscience
Frontiers in Psychology
Hearing Research
IEEE Transactions on Biomedical Engineering
International Journal of Audiology
International Journal of Pediatric Otorhinolaryngology
Journal of the American Academy of Audiology
The Journal of the Acoustical Society of America
JASA Express Letters
Journal of the Association for Research in Otolaryngology
Journal of Otolaryngology
Journal of Phonetics
Journal of Speech, Language, and Hearing Research
Language and Speech
Laryngoscope
Laryngoscope Investigative Otolaryngology
Neural Plasticity
Pediatric Investigation
PLoS ONE
Transactions on Neural Systems & Rehabilitation Engineering
Trends in Amplification
Trends in Hearing

Program Committee Member

The 13th Symposium on Cochlear Implants in Children, Chicago, July 14 -16, 2011
The 43rd Annual Scientific and Technology Conference of the American Auditory Society, March 2 – 4, 2017

International Invited Faculty and Advisory Board Member

National Major Cities Conference on Otolaryngology - Head & Neck Surgery, Beijing, China, 2002.
The 4th Congress of Asia Pacific Symposium on Cochlear Implant and Related Sciences, Taiwan, 2003.
The VIIIth International Cochlear Implant Conference, Indianapolis, IN, 2004.
The 25th Politzer Society Meeting, Seoul, Korea, 2005.
The 5th Asia Pacific Symposium on Cochlear Implant and Related Sciences 2005 (APSCI 2005), Hong Kong, 2005.
The 4th International Symposium of Hearing Science Research and Clinics, Zhangjiajie, China, 2007.
Symposium on Cochlear Implants and Music, University of Zurich, Zurich, Switzerland, February 7 – 8, 2008.

The XXIXth International Congress of Audiology (ICA) 2008 on "Latest Technologies, New Practices, Future Directions, Hong Kong, 2008.

The 6th International Symposium of Hearing Science Research and Clinics, Changsha, China, 2010.

The 8th Asia Pacific Symposium on Cochlear Implant and Related Sciences 2011 (APSCI 2011), Daegu, Korea, October 25-28, 2011

Symposium on Otology and Audiology Research, Foshan, China, August 4, 2012.

The 2012 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University, Shanghai, China, July 16, 2012.

The 2012 Shanghai Summit on Cochlear Implant Clinical Issues, Eye, Ear, Nose & Throat Hospital, Fudan University, Shanghai, China, November 17, 2012.

The 8th International Symposium of Hearing Science Research and Clinics, Changsha, China, 2012.

The 2013 Shanghai Summit on Cochlear Implant Clinical Issues, Eye, Ear, Nose & Throat Hospital, Fudan University, Shanghai, China, May 18, 2013.

The 2013 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University, Shanghai, China, July 26-28, 2013.

The 9th International Symposium of Hearing Science Research and Clinics, Changsha, China, July 12 – 13, 2014.

The 2014 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University, Shanghai, China, July 27-30, 2014.

The 1st Oriental Conference of Otolaryngology – Head & Neck Surgery (OCOHNS), Shanghai, China, October 23-26, 2014.

The 10th Asia Pacific Symposium on Cochlear Implant and Related Sciences 2015 (APSCI 2015), Beijing, China, April 30 – May 3, 2015.

The 2018 National Audiology Training Workshop, Beijing Tongren Hospital, Capital Medical University, Beijing, China, May 17 – 21, 2018.

The 2019 National Audiology Training Workshop, Beijing Tongren Hospital, Capital Medical University, Beijing, China, May 31 – June 4, 2019.

Others

External Reviewer – *Mock Research Assessment Exercise (RAE) of the Faculty of Liberal Arts and Social Sciences (FLASS) of the Education University of Hong Kong, 2025.*

P&T External Reviewer – *Dr. Yuan Chen, The Education University of Hong Kong, 2024.*

P&T External Reviewer – *Dr. Xin Luo, Arizona State University, 2022.*

P&T External Reviewer – *Dr. Xiyu Wu, Peking University, 2021.*

P&T External Reviewer – *Dr. Bo Ding, University of South Florida, 2019.*

P&T External Reviewer – *Dr. Xiao-Ming Sun, Wichita State University, 2009.*

Expert Panelist – *Clinical Audiology Program, Capital Medical University, Beijing, China, 2002*

Poster Award Judge – *The 13th Symposium on Cochlear Implants in Children, Chicago, July 14 – 16, 2011.*

Member – *Association for Research in Otolaryngology Travel Awards Committee, 3/2012-2/2015.*

Associate Director for Research – *The Institute of Empirical Study of Language, Ohio University, 2013 – 2016*

Treasurer – *The Institute of Empirical Study of Language, Ohio University, 2016 - 2025.*

Expert Panelist – *Speech, Hearing and Rehabilitation Program, Capital Medical University, Beijing, China, 2016*

Teaching:

Spring, 2002, 2003, 2005, 2006, 2013; Winter, 2012	Instructor	<i>HSLs 253/CSD 253/ CSD 2530 – Hearing Science</i> Ohio University
Spring, 2025	Co-Instructor	<i>HSLs 4130 - Clinical Neuroanatomy for CSD</i> Ohio University
Spring, 2014	Instructor	<i>CSD 4900 – Special Topics in CSD - Cochlear Implants</i> Ohio University
Spring, 2008, 2009, 2011, 2012	Instructor	<i>HSLs 601/CSD 601 – Research Methods</i> Ohio University
Fall, 2001 - 2008, 2010 - 2024	Instructor	<i>HSLs 603/CSD 603/CSD 6030/HSLs 6030 – Neuroscience of Communication</i> Ohio University
Winter, 2002 - 2005; Spring, 2006, 2011, 2012, 2014, 2015, 2019, 2021 - 2026	Instructor	<i>HSLs 627/CSD 627/CSD6270/HSLs 6270 – Medical Aspects of Auditory Disorders</i> Ohio University
Fall, 2010, 2011	Instructor	<i>CSD 677 – Auditory Physiology</i> Ohio University
Fall, 2012 -2014, 2017 - 2026	Instructor	<i>CSD 6770/HSLs 6770 – Advanced Hearing Science</i> Ohio University
Spring, 2007, 2009	Instructor	<i>HSLs 731E – Advanced Topics in Cochlear Implants</i> Ohio University
Spring, 2008, 2013	Instructor	<i>HSLs 731Z – MATLAB Programming in Hearing and Speech Research</i> Ohio University
Winter, 2003 - 2005, 2007, 2009, 2011, 2012; Spring, 2013, 2015, 2017, 2019, 2021 - 2026	Instructor	<i>HSLs 770/CSD 770/CSD 7700/HSLs 7700 – Cochlear Implants</i> Ohio University
Fall, 2005 - 2008; Winter, 2006; Spring, 2006	Instructor/Coordinator	<i>HSLs 801 – Research Practicum in Audiology</i> Ohio University

Winter, 2001	Lecturer	<i>Didactic Course for Otolaryngology Residents</i> University of Michigan Medical School
Winter, 2000	Lecturer	<i>Didactic Course for Otolaryngology Residents</i> University of Michigan Medical School
Summer, 1995	Teaching Assistant	<i>Dental Neuroscience</i> University of Florida College of Dentistry
Spring, 1994	Teaching Assistant	<i>Medical Neuroscience</i> University of Florida College of Medicine

▪ **Theses and dissertations serving as mentor or committee member:**

1. Georgia A. Malandraki (2004) OU HSLs Master thesis entitled “Persistent effects of aspiration and penetration on voice quality and vocal pitch.” Served as a committee member.
2. Haiyang Tao (2002) OU Biological Sciences Doctoral dissertation entitled “Characterizing neuronal migration in the auditory brainstem in mice (CBA/J).” Served as a committee member.
3. Ning Zhou (2010) OU HSLs Doctoral dissertation entitled “Lexical tone development, music perception and speech perception in noise with cochlear implants.” Served as a mentor.
4. Shuo Wang (2010). Doctoral dissertation entitled “Contribution of temporal envelope and fine structure in mandarin lexical tone perception for sensorineural hearing-impaired listeners.” Macquarie University, Australia. Served as a committee member.
5. Shuisheng Xie (2013) OU EECS doctoral dissertation entitled “A Riemannian framework for shape analysis of subcortical brain structures.” Served as a committee member.
6. Laurianne Cabrera (2013) Doctoral dissertation entitled “Perception of speech modulation cues in infants”. University of Paris, France. Served as a committee member.
7. Yitao Mao (2013) Doctoral dissertation entitled “Vocal singing in prelingually-deafened children with cochlear implants or hearing aids.” Central South University, Changsha, China. Served as co-mentor.
8. Shufeng Zhu (2014) Doctoral dissertation entitled “The influence of tone and phoneme perception on speech perception in Mandarin-speaking children with prelingual hearing-impairment.” University of Hong Kong, China. Served as a committee member.
9. Pin Zhang (2018) OU EECS doctoral dissertation entitled “Geometric transformations for feature space deformation with applications in neuroimaging.” Served as a committee member.
10. Zhiwei Mou (2018) Doctoral dissertation entitled “Acoustic properties of vowel production in Mandarin-speaking patients with post-stroke dysarthria.” Jinan University, Guangzhou, China. Served as co-mentor.
11. Yani Chen (2018). OU EECS doctoral dissertation entitled “Deep learning-based 3D image segmentation methods and applications.” Served as a committee member.
12. Rachel Greyberg (2019) OU HTC thesis entitled “Electrophysiological and perceptual consequences of exposure to high-noise background.” Served as thesis advisor.
13. Zhewei Wang (2019, 2020) OU Biomedical Engineering Program and the Russ College of Engineering and Technology Master’s thesis entitled “Residual pyramid FCN for robust follicle segmentation.” Served as a committee member. OU EECS doctoral dissertation entitled “Fully convolutional networks (FCNs) for medical image segmentation.” Served as a committee member.
14. Hariprakash Haragopal (2020). OU Biological Sciences doctoral dissertation entitled “Neural correlates of directional hearing following noise-induced hearing loss in the inferior colliculus of Dutch-belted rabbits.” Served as a committee member.

15. Jenna Barrett (2021) OU HTC thesis entitled “Perception of degraded, foreign-accented speech.” Serving as thesis advisor.
16. Tao Sun (2021) OU EECS doctoral dissertation entitled “Waveform based speech mapping solution.” Served as committee member.
17. Songjian Wang (2021) Doctoral dissertation entitled “Study on brain mechanism of horizontal sound source localization based on synchronous EEG-fMRI” Capital Medical University, Beijing, China. Served as a committee member.
18. Colton Smith (2021) OU EECS Russ College of Engineering and Technology Master’s thesis entitled “The evaluation of current spiking neural network conversion methods in radar data.” Served as a committee member.
19. Shuyu Gong (2022) OU EECS Russ College of Engineering and Technology Master’s thesis entitled “Listening longer to hear better: Dilated FCNs for speech enhancement.” Served as a committee member.
20. Xianhui Wang (2022) OU CSD Doctoral dissertation entitled “Speech segregation and speech unmasking in English- and Mandarin-Chinese-speaking listeners.” Served as a mentor.
21. Marc Baltes (2022) OU EECS Russ College of Engineering and Technology Master’s thesis entitled “Hybrid ANN-SNN co-training for object localization and image segmentation.” Served as a committee member.
22. Miguel Sempertegui (2022). OU EECS doctoral dissertation proposal entitled “Stability analysis of dynamical pseudo-inverse of nonlinear systems with application to autonomous marine surface vehicle motion control.” Served as dissertation proposal committee member. Miguel Sempertegui (2026) OU EECS doctoral dissertation entitled “Dynamical pseudo-inverse of nonlinear systems with application to marine surface vehicle control.” Served as dissertation defense committee member.
23. Abishek Lakandri (2024). OU EECS Masters thesis entitled “Exploring GANs with conv-TasNet: Adversarial training for speech separation.” Served as thesis defense committee member.
24. Olivia Barnes (2024). OU Department of Biological Sciences Masters thesis proposal entitled: “Tonotopy in the inferior colliculus: Examining the effects of noise-induced hearing loss in Dutch-belted rabbits.” Served as thesis proposal committee member. Olivia Barnes (2025). OU Department of Biological Sciences Masters thesis entitled: “Effects of noise-induced hearing loss on tonotopy in the auditory midbrain.” Served as thesis defense committee member.
25. Rebecca Brashears (2006), Katherine Rife (2006), Matthew Schomburg (2007), Jessica Wolfanger (2008), Bethany Cook (2009), Heather Schultz (2010), Heather Nutter (2011), Marisol Gliatas (2012), Emily Brown (2013), Jessica Stillwell (2013), Jenci Randall (2013), Rebecca Berger (2014), Samantha Cross (2015), Ali Colopy (2015), Kyle Brown (2016), Allison Borrell (2016), Bri Brown (2017), Jen Kassay (2017), Alexa Patton (2017), Andrew Wagner (2018), Emily Hahn (2018), Matt Barte (2018), Gabriella Mayer (2018), Lauren Muscari (2018), Nicole Ritter (2018), Kyle Rodgers (2019), Lexi Neltner (2020), Abigail Earliwine (2021), Katrina Dorsey (2021), Emmalee Topp (2021), Jenna Ober (2022), Eva Watson (2022), Sarah McKim (2022), Gabby Totino (2022), Victoria Costa (2023), Nako Mooketsi (2024), Abby Jaquish (2025), Makayla Collins (2025) and Brihana Joseph (2026). Served/serving as mentor for these 30+ Au.D. students’ third-year research projects.

▪ Academic Advising:

Since Fall, 2002, an average of 25 -35 HSLs undergraduate students per academic quarter/semester
 Since Fall, 2002, an average of 3-8 HSLs Masters or Au.D. students per academic quarter/semester
 Since Spring, 2002, tutor in Honors Tutorial College (HTC) HSLs 399T, 497T, and HSLs 4970 on topic that included cochlear implant, hearing science and auditory disorder, hidden hearing loss, and thesis research.

Since Fall, 2005, 1 or 2 HSLS Ph.D. students per academic quarter/semester

Research Support:

External funding

Submitted

R21 – Jing (PI) Xu (co-I) 6/2027 – 5/2028
National Institutes of Health \$26,000 for Ohio University
 Development of Prosodic Skills in Children with Cochlear Implants: Perception, Production, and Acoustic Foundations.

Funded and completed

Clinical Research Contract – Xu (PI) 12/01/17-11/30/18; No-cost extension to 3/31/2022
Sonova AG \$63,393 total cost
 Mandarin Chinese speech perception in hearing-impaired listeners using hearing aids: An SR2 study
 The goals of this study are to examine the effects of adaptive nonlinear frequency compression (i.e., SoundRecover 2) on Mandarin Chinese speech perception in sensorineural hearing-impaired listeners who use the contemporary digital hearing aids.

R15 DC014587 - Xu (PI) 7/10/15 - 6/30/18; No-cost extension to 06/30/2019
National Institutes of Health, NIDCD \$445,489 total cost
 Real-world tone development in children with cochlear implants
 The goals of this study are to examine tone development in prelingually-deaf children who have received multichannel cochlear implants in real-world situations, such as tone perception in various noise conditions and tone production in multisyllabic words and connected speech.

Clinical Research Contract – Xu (PI) 01/01/15-10/1/18; No-cost extension to 06/30/2019
Phonak Corporation \$192,010 total cost
 Mandarin Chinese speech perception in hearing-impaired listeners using hearing aids: Effects of frequency compression
 The goals of this study are to examine the effects of nonlinear frequency compression on Mandarin Chinese speech perception in sensorineural hearing-impaired listeners who use the contemporary digital hearing aids. While speech perception evaluation will focus on consonants (especially fricatives), other aspect of speech perception, such as vowels, lexical tones, and sentences, will also be included in the study.

Clinical Research Contract – Xu (PI) 05/16/08-08/15/13
Advanced Bionics Corporation \$72,371 total cost
 Tone Perception and Production and Vocal Singing with HiRes® 120 Speech-Processing Strategy in Mandarin-Speaking Children

R15 DC009504 - Xu (PI) 05/13/08-04/30/11; No cost extension to 04/30/2012
National Institutes of Health, NIDCD \$220,500 total cost
 Tone acquisition in young children with cochlear implants
 The goals of this study are to establish the developmental trajectory of tone production in typical developing, native-Mandarin-speaking children and in prelingually-deaf children who have received cochlear implants and

to determine the contributions of age at implantation and duration of implant use to tone development in children with cochlear implants.

F31 DC009919 - Xu (Sponsor), Zhou (PI) 05/1/09-06/11/10
National Institutes of Health, NIDCD \$57,471 total cost
 Ruth L. Kirschstein National Research Service Award - Music and Tone Perception and Dichotic Stimulation

Clinical Research Contract – Xu (PI) 10/05/06-10/04/08
Advanced Bionics Corporation \$13,123 total cost
 Lexical Tone Perception and Production with HiRes® 120 Speech-Processing Strategy in Mandarin-Speaking Children

R03 DC006161-01A2 - Xu (PI) 04/01/05-03/31/08; No-cost extension to 03/31/09
National Institutes of Health, NIDCD \$220,500 total cost
 Tone Development in Children with Cochlear Implants
 The major goals of this study are to evaluate tone perception and production in prelingually deafened, native tone-language speaking children who have received multichannel cochlear implants and to elucidate factors that might contribute to the tone development in these children.

R01 DC03808 - Pfungst (PI); Xu (Co-investigator) 4/1/99-3/31/04; No-cost extension to 6/30/05
National Institutes of Health, NIDCD \$1,250,000 total direct cost
 Features of Stimulation Important for Electrical Hearing
 The major goals of this project are to define the functional effects of specific spatial and temporal configurations of the electrical stimulus in cochlear implants using speech recognition and psychophysical measures in human subjects.

F32 DC00470 - Xu (PI) 12/01/00-08/31/01
NIH-NRSA Individual Fellowship \$27,747 total direct cost
 Acoustic Simulation of Cochlear Implants for Tonal Language
 The goals of this study are to use acoustic simulations of cochlear implants to study features of implant stimulation that are important for speech perception, and to define temporal and spectral features of implant stimulation that are important for a tonal language (specifically Mandarin Chinese).

Ohio University internal funding

CHSP Article Processing and Open Access Fund 10/31/2025
 College of Health Sciences and Professions, Ohio University \$1,900
 Comparison of ChatGPT and DeepSeek on a Standardized Audiologist Qualification Examination in Chinese: Observational Study, *JMIR Formative Research*

OU Faculty Research Support Fund 10/30/2025
 Ohio University \$600
 Comparison of ChatGPT and DeepSeek on a Standardized Audiologist Qualification Examination in Chinese: Observational Study, *JMIR Formative Research*

CHSP Article Processing and Open Access Fund 9/1/2023
 College of Health Sciences and Professions, Ohio University \$900
 Accent rating of noise-vocoded and tone-vocoded foreign-accented speech by native listeners, *JASA-EL*

CHSP Advancing Scholarship in Research and Education (ASPIRE) Grant College of Health Sciences and Professions, Ohio University Using Artificial Intelligence to Enhance Human Speech Perception in Noise	4/12/2022 \$12,000
CHSP Need-Based Research Fund College of Health Sciences and Professions, Ohio University	10/15/2020 \$200
Faculty Research Support Program Ohio University	09/19/2019 \$500
CHSP Need-Based Research Matching Fund College of Health Sciences and Professions, Ohio University	03/24/2016 \$997.50
CHSP Research Challenge Award College of Health Sciences and Professions, Ohio University	11/30/14 \$1,500
Technology Fee Request College of Health Sciences and Professions, Ohio University	01/30/14 \$850
Technology Fee Request College of Health Sciences and Professions, Ohio University	03/15/13 \$1,898
Research Challenge Award Ohio University	09/07-09/08 \$5,000
House Bill Money College of Health and Human Services, Ohio University	08/2007 \$3,700
Scholarly Activity Award College of Health and Human Services, Ohio University Melody Perception Using a Novel Harmonic Spacing Filtering Scheme in Cochlear Implant Sound Processing	10/06-10/07 \$6,974
House Bill Money College of Health and Human Services, Ohio University	02/2006 \$5,529
Scholarly Activity Award College of Health and Human Services, Ohio University Spectral and Temporal Cues for Perception of Phonemes in Noise: Implications for Cochlear Implants	05/04-05/05 \$7,000
Research Challenge Award Ohio University	09/03-09/04 \$6,000
Research Challenge Award Ohio University	05/03-05/04 6,000
House Bill Money College of Health and Human Services, Ohio University	2004 \$7,000
House Bill Money	2002

College of Health and Human Services, Ohio University

\$9,000

Peer-Reviewed Journal Publications:

1. **Xu, L.**, Zhu, X., & Zhao, Y (1989). An allergological study of Meniere's disease. *Clinical Journal of Otorhinolaryngology*, 3(3), 153-156.
2. **Xu, L.**, Liu, C., & Liu, Y. (1989). Measurement of evoked otoacoustic emissions in normal-hearing adults. *Chinese Journal of Otorhinolaryngology Head and Neck Surgery*, 24(6), 252-254.
3. **Xu, L.**, Zhu, X., & Zhao, Y. (1990). Immunoglobulin E and circulating immune complexes in endolymphatic hydrops. *Annals of Otology, Rhinology & Laryngology*, 99(7), 535-538.
4. **Xu, L.**, & Liu, C. (1991). Clinical application of evoked otoacoustic emissions: A preliminary report. *Clinical Journal of Otorhinolaryngology*, 5(1), 1-3.
5. **Xu, L.**, Liu, C., Cai, Z., & Zhu, W. (1991). Pure-tone audiometry using insert phones in clinic offices. *Journal of Capital Medical University*, 12(3), 226-228.
6. **Xu, L.**, Lü, J., Wang, F., & Liu, C. (1991). Otoacoustic emission cochleogram evoked by bone conducted stimulation. *Acta Physiologica Sinica*, 43(3), 306-310.
7. Chen, X., Liu, C., Guo, L., & **Xu, L.** (1992). A preliminary study on clinical application of cochlear microphonics. *Clinical Journal of Otorhinolaryngology*, 6(4), 201-204.
8. Liu, C., Chen, X. W., & **Xu, L.** (1992). Cochlear microphonics and recruitment. *Acta Oto-Laryngologica*, 112(2), 215-220.
9. Harris, F. P., Probst, R., & **Xu, L.** (1992). Suppression of the 2f1-f2 otoacoustic emission in humans. *Hearing Research*, 64(1), 133-141.
10. Chen, X., Liu, C., & **Xu, L.** (1993). Synchronous recording of objective pulsatile tinnitus and electrocardiogram. *Journal of Audiology and Speech Pathology*, 1(1), 32-34.
11. **Xu, L.**, Pfaltz, C. R., & Arnold, W. (1993). HLA antigens in patients with inner ear diseases of unknown etiology. *ORL*, 55(3), 125-134.
12. Roede, J., Harris, F. P., Probst, R., & **Xu, L.** (1993). Repeatability of distortion product otoacoustic emissions in normally hearing humans. *Audiology*, 32(5), 273-281.
13. **Xu, L.**, Probst, R., Harris, F. P., & Roede, J. (1994). Peripheral analysis of frequency in human ears revealed by tone burst evoked otoacoustic emissions. *Hearing Research*, 74, 173-180.
14. Middlebrooks, J. C., Clock, A. E., **Xu, L.**, & Green, D. M. (1994). A panoramic code for sound location by cortical neurons. *Science*, 264, 842-844.
15. Middlebrooks, J. C., **Xu, L.**, Clock, A. E., & Green, D. M. (1998). Codes for sound-source location in non-tonotopic auditory cortex. *Journal of Neurophysiology*, 80, 863-881.
16. **Xu, L.**, Furukawa, S., & Middlebrooks, J. C. (1998). Sensitivity of sound-source elevation in non-tonotopic auditory cortex. *Journal of Neurophysiology*, 80, 882-894.
17. **Xu, L.**, Furukawa, S., & Middlebrooks, J. C. (1999). Auditory cortical responses in the cat to sounds that produce spatial illusions. *Nature*, 399, 688-691.
18. Furukawa, S., **Xu, L.**, & Middlebrooks, J. C. (2000). Coding of sound-source locations by ensembles of cortical neurons. *Journal of Neuroscience*, 20(3), 1216-1228.
19. **Xu, L.**, & Middlebrooks, J. C. (2000). Individual differences in external-ear transfer functions of cats. *The Journal of the Acoustical Society of America*, 106(3), 1451-1459.
20. **Xu, L.**, Furukawa, S., & Middlebrooks, J. C. (2000). Cortical mechanisms for auditory spatial illusion. *Acta Oto-Laryngologica*, 120, 263-266.
21. Pfingst, B. E., Franck, K. H., **Xu, L.**, Bauer, E. M., & Zwolan, T. A. (2001). Effects of electrode configuration and place of stimulation on speech perception with cochlear prostheses. *Journal of the Association for Research in Otolaryngology*, 2(2), 87-103.

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105. Li, B., Feng, Y.-M., Hou, L.-M., **Xu, L.**, Yang, G., & Yin, S.-K. (2015) Speech perception using new programmed temporal fine structure information. *The 10th Asia Pacific Symposium on Cochlear Implant and Related Sciences*, Beijing, China.
106. Feng, Y.-M., Li, B., **Xu, L.**, Yang, G., & Yin, S.-K. (2015) The effects of variety degrees of high frequency hearing loss on speech recognition and temporal resolution. *The 10th Asia Pacific Symposium on Cochlear Implant and Related Sciences*, Beijing, China.
107. **Xu, L.** (2015) Vocal singing in children with cochlear implants. *The 10th Asia Pacific Symposium on Cochlear Implant and Related Sciences*, Beijing, China.
108. Wang, S., Dong, R., Wang, Y., Liu, D., Zhang, L., **Xu, L.** (2015) The relative contributions of temporal envelope and fine structure in Mandarin lexical tone perception in auditory neuropathy spectrum disorder. *The 17th International Symposium on Hearing*, Groningen, Netherlands.
109. Patton, A., Xi, X., Gao, R., & **Xu, L.** (2016) Vocoded speech recognition of Chinese and English AzBio sentences. *American Auditory Society Annual Meeting*, the NIH Sponsored Mentored Student Poster Presentation, Scottsdale, AZ.
110. Xi, X., Patton, A., Gao, R., & **Xu, L.** (2016) Comparison of recognition of Mandarin Chinese and American English AzBio sentences with both tone and noise vocoders. *The 14th International Conference on Cochlear Implants*, Toronto, Canada.
111. **Xu, L.** (2016) Temporal envelopes in sine-wave speech recognition. *The 17th Annual Conference of the International Speech Communication Association (Interspeech 2016)*, San Francisco, CA.
112. Chen, C., Bunesco, R., **Xu, L.**, & Liu, C. (2016) Tone classification in Mandarin Chinese using convolutional neural networks. *The 17th Annual Conference of the International Speech Communication Association (Interspeech 2016)*, San Francisco, CA.

113. Chen, C., Bunesco, R., **Xu, L.**, & Liu, C. (2016) Mandarin tone recognition based on unsupervised feature learning from spectrograms. *The Journal of the Acoustical Society of America* . 140(4), 3394.
114. Yang, J. & **Xu, L.** (2016) A comparative study of Mandarin compound vowels produced by prelingually deafened children with cochlear implants and normal hearing peers. *The Journal of the Acoustical Society of America*. 140(4), 3445.
115. Yang, J., Chen, X., Li, Y., Ren, C., Qi, B., & **Xu, L.** (2017) Effects of nonlinear frequency compression on the acoustic properties and recognition of speech sounds in Mandarin Chinese. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
116. **Xu, L.** (2017). Singing proficiency of members of a choir formed by hearing-impaired children with cochlear implants. *Conference on Implantable Auditory Prostheses*, Lake Tahoe, CA.
117. Yang, J., Zhang, Y., Li, A., **Xu, L.** (2017) On the duration of Mandarin tones. *Proceedings of the Annual Conference of the International Speech Communication Association (Interspeech 2017)*, Stockholm, Sweden, pp. 1407-1411.
118. Chen, X., You, Y., Yang, J., Li, J., **Xu, L.** (2017) Effects of nonlinear frequency compression on Mandarin speech recognition and sound quality perception in hearing-aid users. *The Journal of the Acoustical Society of America*, 141(4), 2610.
119. Mou, Z., Yang, J., Chen, Z., Wang, H., Jiang, Y., Li, J., **Xu, L.** (2017) Acoustic properties of vowel production in Mandarin-speaking patients with post-stroke spastic dysarthria. *The Journal of the Acoustical Society of America*, 141(4), 2640.
120. Patton, A., Muscari, L., **Xu, L.** (2018) Comparison of English and Chinese sentence recognition in noise. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
121. Wagner, A., Yang, J., **Xu, L.** (2018) Perception of degraded speech by non-native English learners. *American Auditory Society Annual Meeting*, the NIH Sponsored Mentored Student Poster Presentation, Scottsdale, AZ.
122. Hahn, E., Uchanski, R., Davidson, L., **Xu, L.** (2018) Acoustic analysis of singing proficiency in children with cochlear implants. *American Auditory Society Annual Meeting*, the NIH Sponsored Mentored Student Poster Presentation, Scottsdale, AZ.
123. Chen, X., You, Y. Y., **Xu, L.** (2018) Effects of NLFC on speech recognition in noise for hearing-impaired listeners with hearing aids. *American Academy of Audiology Annual Conference*, April 18 – 21, 2018, Nashville, TN.
124. **Xu, L.**, Cao, F., Meng, C., Chen, X. (2018) Mandarin tone recognition in noise by prelingually deafened children with cochlear implants. *The 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI2018)*, Antwerp, Belgium.
125. Yang, J. & **Xu, L.** (2018) English phoneme recognition of vocoded speech by adult mandarin-speaking English-learners. *The Journal of the Acoustical Society of America*, 144(3), 1863.
126. Voss, S.C., Qian, J., **Xu, L.**, Yang, J., Lu, E., Rehmann, J., Kuehnel, V. (2019) Evaluating an adaptive nonlinear frequency compression with hearing-impaired Mandarin speakers. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
127. Wang, X., Patton, A., Xi, X., Muscari, L., **Xu, L.** (2019) Equivalence of English and Mandarin Chinese AzBio and HINT sentences. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
128. **Xu, L.**, Yang, J., Liang, Q., Chen, H., Liu, Y., Zhang, Y. (2019) Singing proficiency of members of a choir formed by prelingually deafened children with cochlear implants. *The American Academy of Audiology Annual Conference*. Columbus, OH.
129. Xi, X., Patton, A., Gao, R., Qi, B., Xu, X., Xu, S., Fang, Y., **Xu, L.** (2019) A study of level of difficulties of commonly-used sentence recognition materials in Mandarin Chinese and American English using vocoder processing. *China National Annual Otology Conference*. May 23 – 26, 2019, Kunming, Yunan, China.

130. Yang, J., Uchanski, R., Hahn, E., Wang, X., Davidson, L., **Xu, L.** (2019) Singing proficiency in children with bimodal hearing and bilateral cochlear implants. *Conference on Implantable Auditory Prostheses*, July 14 – 19, 2019, Lake Tahoe, CA.
131. Yang, J., Uchanski, R., Hahn, E., Wang, X., Davidson, L., **Xu, L.** (2019) Singing proficiency in children with bimodal hearing and bilateral cochlear implants. *Knowles Hearing Center Conference 2019: Contemporary Hearing Science Inspired by David M. Green*, July 25 – 26, 2019, Northwestern University Norris University Center, Evanston, IL.
132. **Xu, L.**, Yang, J., Liang, Q., Chen, H., Liu, Y., Zhang, Y. (2019) Singing proficiency of members of a choir formed by deaf children with cochlear implants. *The 31st World Congress of the IALP (International Association of Logopedics and Phoniatrics)*, August 18-22, 2019, Taipei, Taiwan.
133. Yang, J., **Xu, L.** (2019) Duration and amplitude of tone production in children with cochlear implants. *The Journal of the Acoustical Society of America*, 146(4), 2920-2921.
134. **Xu, L.**, Wang, X., Yang, J., Qi, B. (2020) Contributions of envelope and temporal fine structure cues to sentence recognition in noise for English and Mandarin Chinese. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
135. Wang, X., **Xu, L.** (2020) Mandarin tone perception in multi-talker babbles and speech-shaped noise. *American Auditory Society Annual Meeting*, Scottsdale, AZ.
136. Mayer, G., Ritter, N. A., Pubal, A., Washnik, N., **Xu, L.** (2020) Electrophysiological and perceptual consequences of high-noise exposure background. *The American Academy of Audiology Annual Conference*.
137. Yang, J., **Xu, L.** (2020) Vowel production in Mandarin-speaking children with CIs. *Virtual Midwest Conference on Cochlear Implants (CI CRASH) & Mid-Atlantic Symposium on Hearing (MASH) Joint Meeting*. October 16 - 17, 2020.
138. Barrett, J., Yang, J., **Xu, L.** (2021). Perception of foreign-accented vocoded speech by native English listeners. *American Auditory Society Annual Meeting*, March 4 - 6, 2021.
139. **Xu, L.** Yang, J. (2021) Acoustic assessment of vocal singing in prelingually-deafened children with cochlear implants. *Interdisciplinary Technologies for Auditory Prostheses 2021 (iTAP2021)*, April 9 – 10, 2021.
140. Yang, J., **Xu, L.**, Hahn, E., Uchanski, R., Davidson, L. (2021). Pitch accuracy of vocal singing in deaf children with bimodal hearing and bilateral cochlear implants. *Virtual Midwest Conference on Cochlear Implants (CI CRASH) & Mid-Atlantic Symposium on Hearing (MASH) Joint Meeting*. October 15 - 16, 2021
141. Liu, L. S., Liu, H. S., **Xu, L.** (2021) Singing proficiency of prelingually deaf children with cochlear implants as evaluated by a musician. *The Journal of the Acoustical Society of America*, 150, A338. <https://doi.org/10.1121/10.0008504>.
142. Wang, X., **Xu, L.** (2022) Effects of spatial separation and voice difference on masking release. *American Auditory Society Annual Meeting*, the NIH Sponsored Mentored Student Poster Presentation, Scottsdale, AZ.
143. Yang, J., Wang, X., Yu, J., **Xu, L.** (2022) Production accuracy of word-initial consonants in Mandarin-speaking children with cochlear implants. *The Journal of the Acoustical Society of America*, 151, A65. <https://doi.org/10.1121/10.0010678>.
144. Seppänen, L., Pekkala, S., **Xu, L.**, Looi, V., Jaschke, A., Partanen, E., Torppa, R. (2022) How music training and singing improves speech and language skills of children with hearing loss - preliminary results and future directions. *The Royal Society Scientific Meeting: Realising the Potential of Cochlear Implants*. Nottingham, UK, June 13 – 14, 2022.
145. **Xu, L.**, Wang, X., Liu, C. (2023) Spatial masking release under congruent and incongruent visual and auditory spatial locations. *ARO Midwinter Meeting*, February 11 – 14, 2023, Orlando, FL.

146. Sidhu, J., **Xu, L.**, Yang, J. (2023) Accent rating of noise- and tone-vocoded foreign-accented speech. *The Journal of the Acoustical Society of America*, 153, A340.
<https://doi.org/10.1121/10.0019078>.
147. Schlechtweg, M., Gibson, M., Ayala, J., Wang, X., **Xu, L.** (2023) Vowel perception in noise: A comparison of children with cochlear implants and their peers with typical hearing. *The XVI International Symposium of Psycholinguistics*, May 31 - June 2, 2023, Vitoria-Gasteiz, Spain.
148. Schlechtweg, M., Gibson, M., Ayala, J., Wang, X., **Xu, L.** (2023) Vowel perception in noise: A comparison of children with cochlear implants and their peers with typical hearing. *International Clinical Phonetics and Linguistics Association (ICPLA 2023)*, July 4 - 7, 2023, Salzburg, Austria.
149. Schlechtweg, M., Gibson, M., Ayala, J., Wang, X., **Xu, L.** (2024) Vowel perception in noise: A comparison of children with cochlear implants and their peers with typical hearing. *The 17th International Conference on Cochlear Implants and other Implantable Technologies (CI2024)*, February 21 – 24, 2024, Canary Islands, Spain.
150. Petersen, B., **Xu, L.**, Torppa, R., Marozeau, J. (2024) A song for the electric ear - Developing music appreciation and perception after cochlear implantation. *The Neurosciences and Music VIII (NeuroMusic) - Wiring, re-wiring, and well-being*, Helsinki, Finland, June 13 -16, 2024.
151. Yang, J., Harris, M. S., **Xu, L.**, Mleziva, S., Espinosa, O. V. (2024) Accent rating and perception of foreign accented speech by postlingually deafened adults with cochlear implants. *The 17th International Conference on Cochlear Implants and Other Implantable Technologies (CI2024 Vancouver)*, July 10 -13, 2024, Vancouver, BC, Canada.
152. Yang, J., **Xu, L.** (2025) Recognition of vocoded foreign-accented speech by L2 listeners. *The 11th International Symposium on the Acquisition of Second Language Speech (NewSound 2025)*, April 23 – 25, 2025, Toronto, Canada.
153. Yang, J., Wang, X., Costa, V., **Xu, L.** (2025) Effects of fundamental frequency and vocal tract resonance on sentence recognition in noise. *The Journal of the Acoustical Society of America*, 157, A174.
154. Torppa, R., **Xu, L.**, Keitilä, L., Looi, V. (2025) Links between music intervention, informal music activities, singing pitch accuracy, and semantic verbal fluency. *Conference on Implantable Auditory Prostheses*, Tahoe City, CA.

Invited Seminar, Colloquium, Ground Round, Workshop, and Keynote Presentations:

1. **Xu, L.** Encoding of sound-source elevation by auditory cortical neurons. *Beijing Institute of Otorhinolaryngology/Beijing Tongren Hospital*, Beijing, China, June 6, 1997. Host: Chan Liu, M.D.
2. **Xu, L.** Responses of auditory cortical neurons to sounds that produce spatial illusions. *Kresge Hearing Research Institute, University of Michigan*, Ann Arbor, MI, February 3, 1999. Host: John C. Middlebrooks, Ph.D.
3. **Xu, L.** Encoding of sound-source elevation by the spike patterns of cortical neurons. *University of Florida Brain Institute, University of Florida*, Gainesville, FL, February 12, 1999. Host: John C. Middlebrooks, Ph.D.
4. **Xu, L.** Responses of cortical neurons to sounds that produce spatial illusions. *University of California at Irvine*, Irvine, CA, March 23, 2001. Host: Fan-Gang Zeng, Ph.D.
5. **Xu, L.** Spectral and temporal features important for tonal-speech perception. *Ohio University*, Athens, OH, March 29, 2001. Host: Erika Zettner, Ph.D.
6. **Xu, L.** Spectral and temporal features of stimulation affecting tonal-speech perception. *Kresge Hearing Research Institute, University of Michigan*, Ann Arbor, MI, May 23, 2001. Hosts: Bryan E. Pfingst, Ph.D. and John C. Middlebrooks, Ph.D.

7. **Xu, L.** Spectral and temporal features of cochlear-implant stimulation important for tonal-speech perception. *Engineering Research Center, University of Michigan*, Ann Arbor, MI, August 15, 2001. Host: Ken Wise, Ph.D.
8. **Xu, L.** Auditory Prostheses: A Technology and Research Update. *School of Hearing, Speech and Language Sciences, Ohio University*, Athens, OH, October 16, 2001. Host: Sally Marinelli, Ph.D.
9. **Xu, L.** Auditory Chimera. *School of Hearing, Speech and Language Sciences, Ohio University*, Athens, OH, April 12, 2002. Host: Sally Marinelli, Ph.D.
10. **Xu, L.** Acoustic simulations of cochlear implants for tone languages. *Shenzhen the Second People's Hospital*, Shenzhen, China, September 18, 2002. Host: Guohui Nie, M.D., Ph.D.
11. **Xu, L.** Features of stimulation important for electrical hearing. *Advanced Bionics Corporation*, Valencia, CA, August 1, 2003. Host: Dorcas Kessler, Ph.D.
12. **Xu, L.** Features of stimulation important for electrical hearing. *Department of Otolaryngology, New York University*, New York City, NY, September 29, 2003. Host: Anil Lalwani, M.D.
13. **Xu, L.** The speech acoustics of Asian tonal languages and relevance for cochlear implant sound processing. *Advanced Bionics Corporation HiResolution Seminar at the 4th Congress of Asia Pacific Symposium on Cochlear Implant and Related Sciences*, Taipei, December 4, 2003. Host: Advanced Bionics Corporation.
14. **Xu, L.** The speech acoustics of tonal languages and relevance for cochlear implant sound processing. *Department of Otolaryngology, The Second Affiliated Xiangya Hospital, Central South University*, Changsha, China, December 17, 2003. Host: Dinghua Xie, M.D.
15. **Xu, L.** Research in cochlear implants and other recent advances in hearing research. *Department of Otolaryngology, Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, China, July 27, 2004. Host: Bo Liu, M.D.
16. **Xu, L.** Research in cochlear implants and other recent advances in hearing research. *Department of Otolaryngology, Xiangya Hospital, Central South University*, Changsha, China, August 5, 2004. Hosts: Suqin Zhao, M.D./Yong Feng, M.D.
17. **Xu, L.** Recent advances in hearing research. *School of Hearing, Speech and Language Sciences, Ohio University*, Athens, OH, October 8, 2004. Host: John McCarthy, Ph.D.
18. **Xu, L.** Spectral and Temporal Cues for Phoneme and Tone Perception: Implications for Auditory Prostheses. *Department of Speech & Hearing, University of Illinois at Urbana-Champaign*, Urbana-Champaign, IL, February 17, 2005. Host: Ron D. Chambers, Ph.D.
19. **Xu, L.** Spectral and temporal cues for phoneme perception. *School of Hearing, Speech and Language Sciences, Ohio University*, Athens, OH, April 8, 2005. Host: John McCarthy, Ph.D.
20. **Xu, L.** Spectral and temporal cues for phoneme and tone perception: Implications for auditory prostheses. *Seoul National University College of Engineering*, Seoul, Korea, July 12, 2005. Host: Seung-Ha Oh, M.D.
21. **Xu, L.** Correlation of speech recognition by cochlear implant users with metrics based on thresholds and loudness levels. *Seoul National University College of Medicine*, Seoul, Korea, July 14, 2005. Host: Seung-Ha Oh, M.D.
22. **Xu, L.** Acoustical cues for tone perception: Implications for speech processing strategies of cochlear implants. *Department of Otolaryngology, Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, China, July 20, 2005. Host: Bo Liu, M.D.
23. Zheng, Y. & **Xu, L.** Spectral and temporal cues for phoneme recognition in noise: Implications for cochlear implants. *School of Hearing, Speech and Language Sciences, Ohio University*, Athens, OH, September 9, 2005. Host: John McCarthy, Ph.D.
24. **Xu, L.** Recent advances in auditory prostheses. *Seoul National University College of Engineering*, Seoul, October 10, 2005. Host: Sung-Jung Kim, Ph.D.
25. **Xu, L.** Efficacy of a cochlear-implant simultaneous analog stimulation strategy coupled with a monopolar electrode configuration. *Department of Otolaryngology, Beijing Tongren Hospital*,

- Capital University of Medical Sciences*, Beijing, China, October 12, 2005. Hosts: Bo Liu, M.D./Yongxin Li, M.D.
26. **Xu, L.** Implications of spectral enhancements for tonal languages. *Advanced Bionics Corporation Workshop on Technology and Performance Advances in Cochlear Implants at the 5th Congress of Asia Pacific Symposium on Cochlear Implant and Related Sciences*, Hong Kong, China, November 25, 2005. Host: Advanced Bionics Corporation.
 27. **Xu, L.** Spectral and temporal cues for phoneme and tone perception: Implications for cochlear implants. *Department of Communication Sciences and Disorders, James Madison University*, February 28, 2006. Host: Ayasakanta Rout, Ph.D.
 28. **Xu, L.** Mandarin-Chinese tone recognition by neural network. *Department of Otolaryngology, Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, August 23, 2006. Host: Hua Zhang, Ph.D.
 29. Pfungst, B. E., **Xu, L.**, Burkholder-Juhasz, R., & Sadasivan, T. Across-site variation in psychophysical performance: implications for speech processing strategies. *NIC2 Meeting*, Seattle, WA, October 18, 2006. Host: Cochlear Americas.
 30. **Xu, L.** Lexical tone recognition with HiRes® 120 speech-processing strategy in Mandarin-speaking children: The Study Protocol. *Department of Otolaryngology, Beijing Tongren Hospital, Beijing Institute of Otorhinolaryngology, Capital University of Medical Sciences*, Beijing, November 14, 2006. Host: Bo Liu, M.D., Ph.D.
 31. **Xu, L.** (2007). An acoustic, neural-network and perceptual study of Mandarin Chinese tone production. *Kresge Hearing Research Institute, University of Michigan*, Ann Arbor, MI, January 10, 2007. Host: Bryan E. Pfungst, Ph.D.
 32. **Xu, L.** (2007). An acoustical, neural-network and perceptual study of tone production in children with cochlear implants. *The 4th International Symposium on Hearing Science Research and Clinics*, Zhangjiajie, China. May 26, 2007
 33. **Xu, L.** (2007). Tone production in Mandarin Chinese-speaking children with cochlear implants. *Department of Otolaryngology, Ohio State University*, Columbus, OH, October 24, 2007. Hosts: Susan Nitttrouer, Ph.D./Brad Welling, M.D.
 34. **Xu, L.** (2007). Lexical tone perception with HiResolution® 120 speech-processing strategy in Mandarin-speaking children. *Advanced Bionics Harmony Bionic Ear System: Beyond Words - Music and More at the 6th Asia Pacific Symposium on Cochlear Implants and Related Sciences*, Sydney, Australia, October 30, 2007. Host: Advanced Bionics Corporation.
 35. **Xu, L.** (2008). Lexical tone perception and production and vocal singing in children with cochlear implants. *The 2nd International Music & Cochlear Implant Symposium*, Zurich, Switzerland, February 7-8, 2008. Host: University of Zurich and Cochlear AG.
 36. **Xu, L.** (2008). Evaluation of HiRes Fidelity 120 in Mandarin-Speaking Children. *Advanced Bionics Harmony Bionic Ear System: Bring Music and Real-World Listening to Your Patients*, San Diego, CA, April 9, 2008. Host: Advanced Bionics Corporation.
 37. **Xu, L.** (2008). Lexical tone production and singing proficiency of prelingually deafened children with cochlear implants. *Department of Otolaryngology, University of Rochester Medical Center*, Rochester, NY, May 2, 2008. Hosts: Ann Eddins, Ph.D.
 38. **Xu, L.** (2008). Tone perception and production and vocal singing with HiRes 120 sound-processing strategy in Mandarin-speaking children: The Study Protocol. *Advanced Bionics Corporation China Headquarter*, Shanghai, China, July 21, 2008. Host: Fei Liu, M.D., Ph.D.
 39. **Xu, L.** (2008). Speech perception and tone perception. *Institute of Speech and Hearing Science, East China Normal University*, Shanghai, China, July 22, 2008. Host: Qiao-Yun Liu, Ph.D.
 40. **Xu, L.** (2008). What makes up a good research article? *Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, China, July 23, 2008. Host: Yongxin Li, M.D., Ph.D.

41. **Xu, L.** (2008). Lexical tone production and singing proficiency of prelingually deafened children with cochlear implants. *Institute of Speech and Hearing Science, East China Normal University*, Shanghai, China, October 22, 2008. Host: Qiao-Yun Liu, Ph.D.
42. **Xu, L.** (2008). Newest research in speech perception and tone perception. *The Journal of Otology and Chinese Journal of Otology Editorial Board Meeting*, Beijing, China, October 25, 2008. Host: Journal of Otology Editorial Board Office, the PLA General Hospital.
43. **Xu, L.** (2008). Strategies on tackling SCI papers. *The 2008 Doctoral Forum of China – Otolaryngology Head & Neck Surgery*, Beijing, China, October 30, 2008. Host: Demin Han, M.D., Ph.D.
44. **Xu, L.** (2008). Strategies on tackling SCI papers. *Institute of Speech and Hearing Science, East China Normal University*, Shanghai, China, December 11, 2008. Host: Daniel Huang, Ph.D.
45. **Xu, L.** (2008). Lexical tone production and singing proficiency in prelingually deaf children with cochlear implants. *Sun Yat-Sen University First Affiliated Hospital*, Guangzhou, China, December 15, 2008. Host: Weiping Wen, M.D.
46. **Xu, L.** (2009). Lexical tone production and singing proficiency in prelingually deaf children with cochlear implants. *Indiana University School of Medicine*, Indianapolis, IN, January 8, 2009. Host: Tonya R. Bergeson-Dana, Ph.D.
47. **Xu, L.** (2009). Temporal aspects of sine-wave speech recognition *Kresge Hearing Research Institute, University of Michigan*, Ann Arbor, MI, September 16, 2009. Host: Bryan E. Pfingst, Ph.D.
48. **Xu, L.** (2009). Temporal aspects of sine-wave speech recognition. *Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, September 27, 2009. Host: Sha Liu, M.D.
49. **Xu, L.** (2010). Temporal aspects of sine-wave speech recognition. *Arizona State University*, Tempe, AZ, March 3, 2010. Host: Bian Lin, Ph.D.
50. **Xu, L.** (2010). Temporal aspects of sine-wave speech. *University of British Columbia*, Vancouver, Canada, March 11, 2010. Host: Valter Ciocca, Ph.D.
51. **Xu, L.** (2010). Temporal aspects of sine-wave speech. *Shanghai Sixth People's Hospital, Shanghai Jiatong University*, Shanghai, China, June 4, 2010. Host: Shankai Yin, M.D.
52. **Xu, L.** (2010). Lexical tone development in prelingually-deafened children with cochlear implants. *The 6th International Symposium on Hearing Science Research and Clinics*, Changsha, China. June 19, 2010.
53. **Xu, L.** (2010) Temporal envelope and fine structure cues for lexical tone perception: Normal hearing versus hearing impairment. *Ohio University*, Athens, OH, October 1, 2010. Host: Chao-Yang Lee, Ph.D.
54. **Xu, L.** (2010). The make of an SCI paper. *Institute of Speech and Hearing Science, East China Normal University*, Shanghai, December 8, 2010. Host: Qiao-Yun Liu, Ph.D.
55. **Xu, L.** (2010). Lexical Tone Perception: Temporal Envelope and Fine Structure Cues. *Shanghai Sixth People's Hospital, Shanghai Jiatong University*, Shanghai, China, December 10, 2010. Host: Shankai Yin, M.D.
56. **Xu, L.** (2010) The make of an SCI paper. *Beijing Institute of Otorhinolaryngology, Beijing Tongren Hospital, Capital University of Medical Sciences*, Beijing, December 15, 2010. Host: Sha Liu, M.D.
57. **Xu, L.** (2011). Tonal language and cochlear implants. *Ohio State University Medical Center*, Columbus, OH, March 11, 2011. Hosts: Pusan Wong, Ph.D./Susan Nittrouer, Ph.D./Brad Welling, M.D.
58. **Xu, L.** (2011). Speech recognition: Temporal envelope vs. spectral skeleton. *Shanghai Sixth People's Hospital, Shanghai Jiaotong University*, Shanghai, China, June 16, 2011. Host: Shankai Yin, M.D.
59. **Xu, L.** (2011). Tone perception, production and vocal singing in children with cochlear implants. *The 13th Symposium on Cochlear Implants in Children*, Chicago, IL, July 16, 2011.

60. **Xu, L.** Tonal languages and cochlear implants. *Cochlear Medical Device (Beijing) Co. Ltd.*, Beijing, China, October 24, 2011. Host: Qi Liang, Au.D.
61. **Xu, L.** (2011). The make of an SCI paper. *Beijing Institute of Otorhinolaryngology, Beijing Tongren Hospital, Capital Medical University*, Beijing, China, December 5, 2011. Host: Shuo Wang, Ph.D.
62. **Xu, L.** (2011). Cochlear implants. *Hunan Provincial Children's Hospital*, Changsha, China, December 11, 2011. Host: Sijun Zhao, M.D.
63. **Xu, L.** (2011). Speech perception with cochlear implants. *The Second Affiliated Hospital, South Central University Xiangya Medical School*, Changsha, China, December 21, 2011. Host: Dinghua Xie, M.D./Weijing Wu, M.D.
64. **Xu, L.** and Liu, B. (2012). Audiology education in China: History and current status. *CAPCSD 2012 Annual Conference and the Global Summit on Higher Education in Communication Sciences and Disorders*, Newport Beach, CA, April 18-21, 2012.
65. **Xu, L.** (2012). Speech perception: Temporal envelope vs. spectral skeleton. *University of Hong Kong*, Hong Kong, China, May 18, 2012. Host: Lena L.N. Wong, Ph.D.
66. **Xu, L.** (2012). Assessment of auditory, speech, and language skills in cochlear implant children. *The 8th International Symposium on Hearing Science Research and Clinics*, Changsha, China, July 1, 2012.
67. **Xu, L.** (2012). Tone languages and cochlear implants. *The 2012 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University*, Shanghai, China, July 16, 2012.
68. **Xu, L.** (2012). Research updates and the make of an SCI paper. *Beijing Tongren Hospital, Beijing Institute of Otorhinolaryngology, Capital Medical University*, Beijing, August 1, 2012. Host: Yongxion Li, M.D.
69. **Xu, L.** (2012). Cochlear implants and tone languages. *Symposium on Otology and Audiology Research*, Foshan, China, August 4, 2012.
70. **Xu, L.** (2012). Tone development in prelingually-deafened children with cochlear implants. *The 2012 Shanghai Summit on Cochlear Implant Clinical Issues, Eye, Ear, Nose & Throat Hospital, Fudan University*, Shanghai, China, November 17, 2012.
71. **Xu, L.** (2013). Speech perception: Temporal envelope vs. spectral skeleton. *The Ohio State University*, April 8, 2013. Host: DeLiang Wang, Ph.D.
72. **Xu, L.** (2013). Tonal language and cochlear implants. *The 60th Anniversary of Beijing Institute of Otolaryngology*, Beijing, China, April 19, 2013.
73. **Xu, L.** (2013). Tone perception in noise: Implications for cochlear implants. *The 2013 Shanghai Summit on Cochlear Implant Clinical Issues, Eye, Ear, Nose & Throat Hospital, Fudan University*, Shanghai, China, May 18, 2013.
74. **Xu, L.** (2013). Mandarin tone recognition test. *The 3rd Forum on the Development of Speech Assessment Tool*, Dalian, China, June 7-9, 2013.
75. **Xu, L.** (2013). Cochlear implants and tonal languages. *Conference on Implantable Auditory Prostheses*, Lake Tahoe, CA, July 14- 19, 2013.
76. **Xu, L.** (2013). The working mechanism of cochlear implant and its acoustic simulations. *The 2013 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University*, Shanghai, China, July 26-28, 2013.
77. **Xu, L.** (2013). Cochlear implantation and rehabilitation. *Urumqi Eye, Ear, Nose & Throat Hospital*, Urumqi, Xinjiang, China, August 3, 2013. Host: Jing Zhang, M.D.
78. **Xu, L.** (2013). Tonal languages and cochlear implants. *Indiana University School of Medicine*, Indianapolis, IN, September 26, 2013. Host: Jessica Beer, Ph.D./David Pisoni, Ph.D.

79. **Xu, L.** (2013). Cochlear implants: pre- and post-implantation assessments. *Hunan Provincial Children's Hospital*, Changsha, China, November 2, 2013. Host: Sijun Zhao, M.D.
80. **Xu, L.** (2013). Advances in osseointegrated auditory implants. *Hunan Provincial Children's Hospital*, Changsha, China, November 2, 2013. Host: Sijun Zhao, M.D.
81. **Xu, L.** (2013). Cochlear implants and tonal languages. *Laboratoire de Psychologie de la Perception, Université Paris Descartes*, Paris, France. November 25, 2013. Host: Christian Lorenzi, Ph.D.
82. **Xu, L.** (2014). Tonal languages with cochlear implants and hearing aids. *Institute for Chinese Studies and Department of Speech and Hearing Science, The Ohio State University*, Columbus, OH, February 14, 2014. Host: Rob Fox, Ph.D./Jeff Chan, Ph.D.
83. **Xu, L.** (2014). Speech recognition: spectral skeleton vs. temporal envelope. *Hearing and Speech Processing Workshop*. Beijing, China. June 14, 2014.
84. **Xu, L.** (2014). Vowel production and vocal singing in prelingually-deafened children with cochlear implants. *Beijing Children's Hospital*, Beijing, China, July 9, 2013. Host: Haihong Liu, Ph.D.
85. **Xu, L.** (2014). Evaluation of vocal singing in children with cochlear implants. *International Symposium on Audiology and Auditory Implant Technology, West China Hospital, Sichuan University and audonline.cn*, Chengdu, Sichuan, China, June 29, 2014.
86. **Xu, L.** (2014). Vowel production in prelingually-deafened children with cochlear implants. *The 9th International Symposium on Hearing Science Research and Clinics*, Changsha, China, July 13, 2014.
87. **Xu, L.** (2014). Vowel production and vocal singing in prelingually-deafened children with cochlear implants. *The 2014 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiaotong University*, Shanghai, China, July 28, 2014.
88. **Xu, L.** (2014). Auditory nerve physiology. *The 10th Seminars on the Diagnosis and Treatment of Hearing and Vertigo Disorders, Beijing Institute of Otolaryngology, Beijing Tongren Hospital, Capital Medical University*, Beijing, China, October 23, 2014.
89. **Xu, L.** (2014). Pitch coding in auditory neuropathy. *The 1st Oriental Conference of Otolaryngology – Head & Neck Surgery (OCOHS)*, Shanghai, China, October 25, 2014.
90. **Xu, L.** (2014). Vowel production and vocal singing in prelingually-deafened children with cochlear implants. *Shanghai University*, Shanghai, China, October 27, 2014. Host: Limin Hou, Ph.D.
91. **Xu, L.** (2014). Acoustic characteristics of vocal singing in hearing-impaired children. *Institute of Empirical Study of Language, Ohio University*, Athens, OH, November 14, 2014. Host: Emilia Alonso-Sameño, Ph.D.
92. **Xu, L.** (2014). Speech and pitch processing in normal-hearing and hearing-impaired listeners. *Phonak*, Stäfa, Switzerland. December 11, 2014. Host: Volker Kuehnel, Ph.D.
93. **Xu, L.** (2015). Hot topics in cochlear implant research, *Shandong University*, Jinan, Shandong, China, May 9, 2105. Host: Anting Xu, M.D.
94. **Xu, L.** (2015). Hot topics in cochlear implant research, *Weifang Regional ENT Conference*, Weifang, Shandong, China, June 6, 2105. Host: Fengying Zhang, M.D.
95. **Xu, L.** (2015). Lexical tone development in children with cochlear implants. *Beijing Institute of Otolaryngology, Beijing Tongren Hospital, Capital Medical University*, Beijing, China, June 25, 2015.
96. **Xu, L.** (2015). A thousand-li journey begins with the first step - My research journey. *Capital Medical University*, Beijing, China, June 30, 2015.
97. **Xu, L.** (2015). Tonal languages and cochlear implants. *Advanced Bionics*, Valencia, CA, August 17, 2015. Host: Abhijit Kulkarni, Ph.D.

98. **Xu, L.** (2015). Statistical analysis of percent-correct and proportional data. *Beijing Institute of Otolaryngology, Beijing Tongren Hospital, Capital Medical University*, Beijing, China, October 9, 2015. Host: Bo Liu, M.D.
99. **Xu, L.** (2015). Tonal languages and cochlear implants. *The 2nd China International Forum of Pediatric Development*, Beijing, China, October 9 – 11, 2015.
100. **Xu, L.** and Liu, C. (2016). A multidisciplinary approach to the study of cochlear implants and tone-language development in children. *The 2nd Annual Interdisciplinary Health Sciences Research Symposium*, College of Health Sciences and Professions and Heritage College of Osteopathic Medicine, Ohio University, Athens, OH, March 25, 2016.
101. **Xu, L.** (2016). Mechanisms and acoustic simulations of cochlear implants. *The 13th Seminar on the Diagnosis and Treatment of Hearing and Vertigo Disorders*, Beijing Institute of Otolaryngology/Beijing Tongren Hospital, Beijing, China, May 27 – 30, 2016.
102. **Xu, L.** (2016). Perception and production in children with hearing aids and cochlear implants. *The 2016 Beijing International Audiology Conference*, Beijing, China, May 28 – 30, 2016.
103. **Xu, L.** (2016). Relative Contributions of Temporal Fine Structure and Envelope Cues to Tone and Sentence Recognition in Noise. *South University of Science and Technology of China*, Shenzhen, China, June 6, 2016. Host: Felix Chen, Ph.D.
104. **Xu, L.** (2016). Speech perception and production in children with hearing aids and cochlear implants. *The First Affiliated Hospital of Jinan University*, Guangzhou, China, June 8, 2016. Host: Jingxiang Zhong, M.D./Zhuoming Chen, M.D.
105. **Xu, L.** (2016). Psychoacoustics. *2016 National Standardized Training in Audiology*, Beijing Institute of Otolaryngology/Beijing Tongren Hospital, Beijing, China, June 16 - 20, 2016.
106. **Xu, L.** (2016). Bases of Clinical Audiology - Psychoacoustics. *Lanzhou the Second People's Hospital*, Lanzhou, China, July 24, 2016.
107. **Xu, L.** (2016). Characteristics of clinical evaluation and perceptual experiments on auditory neuropathy. *Lanzhou the Second People's Hospital*, Lanzhou, China, July 24, 2016.
108. **Xu, L.** (2016). Audiology at OHIO. *Shenzhen the Second People's Hospital*, Shenzhen, China, August 10, 2016. Host: Guohui Nie, M.D., Ph.D.
109. Yang, J. & **Xu, L.** (2017). Perception of degraded speech by L2 listeners. *Institute of Empirical Study of Language (IESL), Ohio University*, Athens, OH, March 17, 2017. Host: Emilia Alonso-Sameño, Ph.D.
110. **Xu, L.** (2017). Hidden hearing loss. *Xijing Hospital, Fourth Military Medical University*, Xi'an, China, May 8, 2017. Host: Dingjun Zha, M.D.
111. **Xu, L.** (2017). Hidden hearing loss. *The First People's Hospital of Foshan, Zhongshan Medical University*, Foshan, China, May 12, 2017. Host: Yuanxin Zhao, M.D.
112. **Xu, L.** (2017). Auditory information coding and speech perception. *The 14th Seminar on the Diagnosis and Treatment of Hearing and Vertigo Disorders*, Beijing Institute of Otolaryngology/Beijing Tongren Hospital, Beijing, China, June 1 - 5, 2017.
113. **Xu, L.** (2017). Singing proficiency in children with cochlear implants. *Institute of Empirical Study of Language, Ohio University*, Athens, OH, October 20, 2017. Host: Emilia Alonso-Sameño, Ph.D.
114. **Xu, L.** (2017). Equivalency of sentence recognition in English and Chinese. *Institute of Empirical Study of Language, Ohio University*, November 17, 2017. Host: Emilia Alonso-Sameño, Ph.D.
115. **Xu, L.** (2017). Singing proficiency in prelingually deafened children with cochlear implants. *Forum on Language, Speech and the Brain*, Chinese Academy of Social Sciences (CASS), Beijing, China, December 18, 2017. Organizer: Aijun Li, Ph.D.
116. **Xu, L.** (2018). Speech and pitch processing in Mandarin-speaking normal-hearing and hearing-impaired listeners. *Phonak Shanghai*, Shanghai, China. January 9, 2018. Host: Jinyu Qian, Ph.D.

117. **Xu, L.** (2018). Research updates on hidden hearing loss. *2018 National Audiology Training Workshop*, Beijing Tongren Hospital, Capital Medical University, Beijing, China, May 18, 2018. Organizer: Bo Liu, M.D.
118. **Xu, L.** (2018). Mandarin tone development in children with cochlear implants. *Nanjing Normal University*, Nanjing, China, June 8, 2018. Host: Dandan Liang, Ph.D.
119. **Xu, L.** (2019). Development of singing proficiency in prelingually deafened children with cochlear implants. *International Forum on Hearing Language and Behavior Disorders in Children*, Shenzhen, China, May 25, 2019.
120. **Xu, L.** (2019). Singing Proficiency in Children with Cochlear Implants. *2019 National Audiology Training Workshop*, Beijing Tongren Hospital, Capital Medical University, Beijing, China, May 31, 2019. Organizer: Bo Liu, M.D.
121. **Xu, L.** (2019). Singing proficiency in children with cochlear implants. *Sonova Shanghai*, Shanghai, China, June 20, 2019. Host: Jingjing Guan, Ph.D.
122. **Xu, L.** (2019). Vocal singing in prelingually deafened children with cochlear implants. *Shanghai University*, Shanghai, China, June 21, 2019. Host: Limin Hou, Ph.D.
123. **Xu, L.** (2019). Relative contributions of envelope and temporal fine structure cues to sentence recognition in noise. *South China University of Technology*, Guangzhou, China, December 17, 2019. Host: Bosun Xie, Ph.D.
124. **Xu, L.** (2020). Hearing and hearing loss. *Fireside Science Chat*. April 4, 2020. Hosts: Lisa Liu and Chang Liu, Ph.D.
125. **Xu, L.** (2021). A cross-language comparison of sentence recognition in American English and Mandarin Chinese. *National Otolaryngology – Head and Neck Surgery Alliance Conference and the 2021 National Hearing and Vestibular Disorders Training Workshop*, Beijing Tongren Hospital, Capital Medical University, Beijing, China, April 9 - 12, 2021. Organizers: Luo Zhang, M.D., Bo Liu, M.D., Shuo Wang, Ph.D.
126. **Xu, L.** (2021). A cross-language comparison of sentence recognition in American English and Mandarin Chinese. *Institute of Empirical Study of Language*, Ohio University, Athens, OH, April 15, 2021. Host: Emilia Alonso-Sameño, Ph.D.
127. **Xu, L.** (2021). Vocal singing in deaf children with cochlear implants. *Division of Communication Sciences and Disorders*, Ohio University, Athens, OH, September 17, 2021. Host: Nilesh Washnik, Ph.D.
128. **Xu, L.** (2022). Vocal singing in deaf children with cochlear implants. *Facultad de Filología, Universidad de Sevilla*, Seville, Spain, May 16, 2022. Host: Teresa Lopez-Soto, Ph.D.
129. **Xu, L.** (2022). Hearing science: From acoustics to psychoacoustics. *Faculty of Education, Human Communication, Development, and Information Sciences*, University of Hong Kong, Hong Kong, Online, September 6, 2022. Host: Lena Wong, Ph.D.
130. **Xu, L.** (2023). Cochlear implant aural rehabilitation and outcome assessment. *Shenhe Hospital*, Heyuan, Guangdong Province, China, June 28, 2023. Host: Zhiwei Mou, M.D., Ph.D.
131. **Xu, L.** (2023). Neuroscience of tinnitus. *Guangdong Province Medical Association*, Guangzhou, Guangdong Province, China, July 16, 2023. Hosts: Weiping Wen/Guanxia Xiong, M.D., Ph.D.
132. **Xu, L.** (2023). Neurobiology of tinnitus. *Shenzhen the Second People's Hospital*, Shenzhen, Guangdong Province, China, July 20, 2023. Hosts: Guohui Nie/Hongsong Dong, M.D., Ph.D.
133. **Xu, L.** (2023). Accent rating and recognition of vocoded foreign-accented speech. *Institute of Empirical Study of Language*, Ohio University, Athens, OH, November 9, 2023. Host: Danny Moates, Ph.D./Mary Beaton, Ph.D.
134. **Xu, L.** (2023). Development and validation of CMnBio sentence materials and comparison with English AzBio sentences. *Shenzhen the Second People's Hospital*, Shenzhen, Guangdong Province, China, December 13, 2023. Host: Hongsong Dong, M.D., Ph.D.

135. **Xu, L.** (2023). Accent rating and sentence recognition of vocoded foreign-accented speech. *Chinese Academy of Social Sciences (CASS)*, Beijing, China, December 21, 2023. Host: Aijun Li, Ph.D.
136. **Xu, L.** (2024). Understanding the ASHA clinical practice guideline on aural rehabilitation for adults with hearing loss. *Hainan Province Rehabilitative Medical Association*, Haikou, Hainan, China, January 7, 2024.
137. **Xu, L.** (2024). Accent rating and sentence recognition of vocoded foreign-accented speech. *Shenzhen the Second People's Hospital*, Shenzhen, China, May 20, 2024. Host: Hongsong Dong, M.D., Ph.D.
138. **Xu, L.** (2024). Accent rating and sentence recognition of vocoded foreign-accented speech. *Annual Meeting of Otolaryngology of Chongqing Medical Association*, Chongqing, China, May 25, 2024. Chairman: Shixun Zhong, M.D.
139. Petersen, B., **Xu, L.**, Torppa, R., Marozeau, J. (2024). A song for the electric ear - Developing music appreciation and perception after cochlear implantation. *The Neurosciences and Music VIII – Wiring, re-wiring, and well-being*, Helsinki, Finland, June 13 - 16, 2024.
140. **Xu, L.** (2024). Lexical tone development in prelingually deafened children with cochlear implants. *Department of Audiology and Speech-Language Pathology, Asia University*, Webinar on December 19, 2024. Host: Sheng Hwa, Ph.D.
141. **Xu, L.** (2025). Vocoder as acoustic simulations of cochlear implants. *School of Foreign Languages, Hunan University*, Changsha, Hunan Province, China, July 25, 2025. Host: Fei Chen, Ph.D.
142. **Xu, L.** (2025). Neurobiology of tinnitus. *Training Workshop on Rehabilitation of Chronic Disorders of Hearing Loss and Tinnitus*, Zhuhai Hospital of Integrated Traditional Chinese and Western Medicine, Zhuhai, Guangdong Province, China, August 9, 2025. Organizer: Binbin Xiong, M.D., Ph.D.
143. **Xu, L.** (2025). Neuroscience evidence of deafness and cognitive impairment. *The 21st Academic Conference of the Specialty Committee of Otorhinolaryngology of Chinese Association of the Integration of Traditional and Western Medicine*, Yantai, Shandong Province, China, October 23 - 25, 2025.
144. **Xu, L.** (2025). US clinical practice guidelines on aural rehabilitation for adults with hearing loss and tinnitus. *The 21st Academic Conference of the Specialty Committee of Otorhinolaryngology of Chinese Association of the Integration of Traditional and Western Medicine*, Yantai, Shandong Province, China, October 23 - 25, 2025.
145. **Xu, L.** (2026). Vocal singing in prelingually deafened children after cochlear implantation. *The First Central Hospital of Tianjin*, June 23, 2026. Host: Wei Wang, M.D.
146. **Xu, L.** (2026). Vocal singing in cochlear implant children. *Taiwan Speech-Language-Hearing Association*, Webinar on June 24, 2026. Host: Sandy Chang, Ph.D.