

Welcome to the 2026 Beijing Auditory Symposium

Please refer to the information below for your information:

Date

October 9 - 12, 2026

Venue

Jianxi Hall, 4th Floor, Building A, Higher Education Press

会场地址：高教社 - A4 剑西堂学术报告厅 A 座 4 层

Address

No. 4 Deshengmenwai Avenue, Xicheng District, Beijing, China

地址：北京市西城区德胜门外大街 4 号

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National Institute of Biological Sciences (NIBS) / Tsinghua University, Beijing

Dr. Wei Xiong

Chinese Institute for Brain Research (CIBR), Beijing

Dr. Zhiqiang Yan

Chinese Institutes for Medical Research (CIMR), Beijing / Capital Medical University

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承办单位

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北京脑科学与类脑研究所
Chinese Institute for Brain Research, Beijing



山东省第二人民医院
Shandong Second Provincial General Hospital

2026 Beijing Auditory Symposium

Schedule

October 10, Saturday

Time	Lecture	Speaker
8:00-8:10	Open Remarks	
Session 1: Hearing Development (Moderator: Jun Li)		
8:10-8:35	Irx3/5 genes regulate the development of mammalian cochlear lateral wall	Dr. Mai Har Sham The Chinese University of Hong Kong
8:35-9:00	ZBTB41 is a novel Meniere's disease gene essential for cochlear stria vascularis function	Dr. Guoqiang Wan Nanjing University
9:00-9:25	Spatial transcriptomic determinants of regeneration and maturation of cochlear hair cells and supporting cells	Dr. Alan Cheng Stanford University
9:25-9:40	Induction of outer hair cell-like cells by co-expression of Gfi1, Atoh1 and Pou4f3 in the adult mouse cochlea	Dr. Lingjun Zhang Stanford University
Tea Break		
Session 1: Hearing Development (Moderator: Guoqiang Wan)		
10:00-10:25	Multimic and Genetic Analysis of Mammalian Inner Ear Sensory Cell Development and Regeneration	Dr. Zhiyong Liu National Institute of Biological Sciences, Beijing / Tsinghua University
10:25-10:50	Transcriptional mechanisms governing sensory cell identity and function in the inner ear	Dr. Yuwei Sun Fudan University
10:50-11:15	Molecular mechanism of Tbx2 in regulating inner hair cell development and fate determination	Dr. Jun Li Sichuan University
11:15-11:40	The RNA-binding protein TRIM71 Promotes Supporting Cell Reprogramming and Hair Cell Regeneration by Activating Sall4	Dr. Xiaojun Li Xi'an Jiaotong University
11:40-11:55	Restoration of Insm2 attenuates the abnormalities of Insm1-deficient cochlear outer hair cells	Chenhui Yu National Institute of Biological Sciences, Beijing
Lunch		
13:00-14:00	Poster Session	
Session 1: Hearing Development (Moderator: Shuohao Sun)		
14:00-14:25	Emergence of the future tonotopic axis in the mouse otocyst revealed by single-cell spatial reconstruction	Dr. Joerg Waldhaus University of Michigan
14:25-14:50	Beyond Gene Discovery: Human Genetics Reveals the Architecture and Mechanisms of Hearing Loss	Dr. Jing Cheng West China Hospital of Sichuan University
14:50-15:15	A high-resolution alternative splicing atlas of mouse cochlea informs novel risk mechanisms of genetic	Dr. Huipeng Li Shanghai Ninth People's Hospital /

	hearing loss	Shanghai Jiaotong University
15:15-15:40	Divergent modes of hair cell bundle maturation in developing and mature mouse utricle	Dr. Tian Wang Stanford University
Tea Break		
Session 2: Homeostasis - Gene and function (Moderator: Jing Cheng)		
16:00-16:25	Regulation of Tmem30b-mediated apical membrane homeostasis in auditory outer hair cells is critical for hearing	Dr. Xiaolong Fu Shandong First Medical University
16:25-16:50	Sleep Deprivation Induces Auditory Neural Injury through Brain–Cochlea Inflammatory Signaling	Dr. Wenwen Liu Shandong Provincial ENT Hospital
16:50-17:15	Gut-Metabolome-Proteome Interactions in Age-Related Hearing Loss: Insights from Fecal Microbiota Transplantation and Multi-Omics Analyses	Dr. Wei Yuan Chongqing General Hospital / Chongqing University
17:15-17:40	Advances in Auditory and Vestibular Testing: integrated VOR/OKR platform and bilateral ABR for assessing binaural hearing	Dr. Fangyi Chen Southern University of Science and Technology
17:40-18:00	Meet with Editors: Vita Journal	Dr. Li Lu Vita Journal
DINNER		

October 11, Sunday

Time	Lecture	Speaker
Session 3: Therapeutics (Moderator: Guisheng Zhong)		
8:00-8:25	Cell type-specific Cx26 expression rescues hearing in adult DFNB1 mice with demonstrated safety in nonhuman-primate	Dr. Yilai Shu ENT Hospital / Fudan University
8:25-8:50	Genome editing therapy of GJB2-associated hearing loss	Dr. Wei Xiong Chinese Institute for Brain Research, Beijing
8:50-9:15	AAV-mediated Slc26a4 Gene Therapy for Human PDS/DFNB4	Dr. Dae-Won Kim Yonsei University
9:15-9:40	Spatial and Temporal Determinants of SLC26A4 Gene Therapy: Linking Target-Tissue Transduction to Hearing Rescue	Dr. Yenfu Cheng Taipei Veterans General Hospital
Photo & Tea Break		
Session 3: Therapeutics (Moderator: Yilai Shu)		
10:00-10:25	Preliminary Safety and Efficacy of AK-OTOF Gene Therapy for Otoferlin Gene (OTOF)-mediated Hearing Loss	Dr. Manny Simons Akuous

10:25-10:50	Development of Auditory Brainstem Implant targeting Cochlear Nucleus	Dr. Hao Wu Shanghai Ninth People's Hospital / Shanghai Jiaotong University
10:50-11:15	Precise gene therapy for genetic deafness	Dr. Guisheng Zhong ShanghaiTech University
11:15-11:40	Inner ear-targeted peptide-LNP mRNA nanotherapy for congenital deafness	Dr. Ke Liu Beijing Friendship Hospital / Capital Medical University
11:40-12:05	Highly IHC-targeted AAV-hOTOF gene therapy restores both hearing and cochlear synaptic function with low intracochlear dosage in DFNB9 patients	Dr. Ying Chen Shanghai Ninth People's Hospital / Shanghai Jiaotong University
Lunch		
13:00-14:00	Poster Session	
Session 4: Mechanoelectrical Transduction: TMC1 (Moderator: Zhigang Xu)		
14:00-14:25	An N-terminal membrane-parallel helix conveys force to gate TMC1 channel	Dr. Zhiqiang Yan Capital Medical University / Chinese Institutes for Medical Research
14:25-14:50	LOXHD1 is indispensable for maintaining TMC1 auditory mechanosensitive channels at the site of force transmission	Dr. Nicolas Grillet University of Kentucky
14:50-15:15	Evolutionary tuning of the auditory transduction channel TMC1	Dr. Nurunisa Akyuz Harvard University
15:15-15:30	Mammalian TMC Family Proteins are Mechanically Gated Ion Channels	Songdi Fu Capital Medical University
15:30-15:45	Biochemical Dissection of TMC1 and the Mechano-Electrical Transduction Complex in Auditory Hair Cells	Dr. Jialu Tu Chinese Institute for Brain Research, Beijing
Tea Break		
Session 4: Mechanoelectrical Transduction: Linkages (Moderator: Qing Lu)		
16:00-16:25	Post-translational regulation of Protocadherin-15 function in hearing	Dr. Xiaowei Lu University of Virginia
16:25-16:50	RBM24-mediated alternative splicing of Myo7a gene is important for auditory function in mice	Dr. Zhigang Xu Shandong University
16:50-17:15	Tip-Link Component PCDH15 Forms a Right-Handed Double Helix Important for Mechanotransduction	Dr. Xiaoping Liang Southern Medical University
17:15-17:30	PCDH15 couples tip-link tension to TMC1 pore gating in hair cells	Yabing Zhang Capital Medical University
17:30-17:45	FLRT3 is an essential component of ankle links in the auditory hair cells	Wanying Feng Hong Kong University of Science and Technology
17:45-18:05	Brief Introduction of National Science Review	Dr. XiuLing Xu National Science Review Journal

October 12, Monday

Time	Lecture	Speaker
Session 5: Architecture - Gene and Function (Moderator: Ke Liu)		
8:00-8:25	Structure and Function of Sensory Ribbon Synapses	Dr. Tobias Moser University Medical Center Göttingen
8:25-8:50	Probing hair bundle mechanics using voltage-dependent hair bundle stereocilia motion	Dr. Anthony J. Ricci Stanford University
8:50-9:15	Conserved dual function of TOSCA superfamily proteins	Dr. Pingbo Huang The Hong Kong University of Science and Technology
9:15-9:40	Molecular Insights into Hair Cell Myosins	Dr. Qing Lu Shanghai Jiaotong University
9:40-9:55	Assembly and Plasticity of Ribbon Synapses	Dr. Xu Wang Southern University of Science and Technology
Tea Break		
Session 6: Development (Moderator: Xiaojun Li)		
10:15-10:40	Molecular and Cellular Hallmarks of Age-Related Degeneration of Vestibular Hair Cells	Dr. David He Creighton University
10:40-11:05	Transcriptional control of mitotic quiescence in the organ of Corti	Dr. Ksenia Gnedevea University of Southern California
11:05-11:30	Transcriptional Regulation of Vestibular Crista Hair Cell Development and Regeneration	Dr. Dong Liu Nantong University
11:30-11:55	Molecular heterogeneity and functional diversity of inner ear neurons	Dr. Shuohao Sun National Institute of Biological Sciences, Beijing / Tsinghua University
11:55-12:10	Development of a Knock-in Mouse Resource for Mapping the Protein Interaction Network of the Mammalian Auditory Complex	Zenghui He Capital Medical University
12:10-12:30	Functional and Transcriptomic Consequences of Tmc1/2 Genetic Manipulation	Qiaoyu Duan National Institute of Biological Sciences, Beijing
LUNCH		
Session 7: Auditory systems across species (Moderator: Fangyi Chen)		
13:30-13:55	Auditory integration of social cues is modulated by serotonergic projections from the dorsal raphe to the inferior colliculus	Dr. Zhengquan Tang Anhui University
13:55-14:20	Neural encoding of self-emitted vocalizations in the auditory midbrain of echolocating bats	Dr. Jinhong Luo Central China Normal University
14:20-14:45	Attention facilitates auditory neuron responses beyond their receptive fields in a marmoset 'cocktail party'	Dr. Chenggang Chen Tsinghua University
14:45-15:00	Close Remarks	

Note: Postdoc/student presentations are in blue.