

Curriculum Vitae

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Associate Research Scientist

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Education

2010.9–2013.6

M.D. /Ph.D. Otolaryngology–Head and Neck Surgery, Huazhong University of Science and Technology, China

2007.9–2010.6

MS, Otolaryngology–Head and Neck Surgery, Huazhong University of Science and Technology, China

2002.9–2007.6

BS, Medicine, Wuhan University of Science and Technology, China

Professional Experience

2024.7 to present

Associate Research Scientist Department of Surgery - Otolaryngology, Yale University Medical School

2020.11–2024.7

Associate Professor, Deputy Chief Physician Otolaryngology–Head and Neck Surgery, Tongji Hospital, Huazhong University of Science and Technology, China

2018.11–2020.11

Deputy Chief Physician Otolaryngology–Head and Neck Surgery, Tongji Hospital, Huazhong University of Science and Technology, China

2015.11–2018.11

Doctor-in-charge Otolaryngology–Head and Neck Surgery, Tongji Hospital, Huazhong University of Science and Technology, China

2013.8–2015.11

Resident Doctor Otolaryngology–Head and Neck Surgery, Tongji Hospital, Huazhong University of Science and Technology, China

2013.2.16–20

Graduate Student/Postdoctoral Fellow Travel Award, Association for Research in Otolaryngology MidWinter Meeting, Baltimore, MD.

2012.9–2013.8

Visiting Scholar, Department of Otolaryngology, University of Kentucky Medical Center, Lexington, KY, United States of America

Funding

1. National Natural Science Foundation of China [81500791]
2. Natural Science Foundation of Hubei Province of China [2024AFB574]
3. Science Foundation of Hubei Association of Pathophysiology [2021HBAP010]
4. Science Foundation of Tongji Hospital, Huazhong University of Science and Technology (Major Project) [2023A02]
5. Science Foundation of Tongji Hospital, Huazhong University of Science and Technology [2014035]

Publications

Selected Journal Articles:

1. Zhihui Du, Han Liu, HanQi Chu, **JIN CHEN**. Expression patterns of Cav1.3 in the developing stria vascularis of SD rats. **(Accepted for publication on Dec 2nd 2024, Corresponding Author)**
2. Zhang Tingting, Chu Hanqi, **Chen Jin**. Research progress on the correlation between tinnitus and depression. Chin J Otorhinolaryngol Head Neck Surg, 2024, 59 (1):64–68. **(Corresponding author)**
3. Li–Man Liu, Chun Liang, **Jin Chen**, Shu Fang, Hong–Bo Zhao. Cx26 heterozygous mutations cause hyperacusis–like hearing oversensitivity and increase susceptibility to noise, Science Advances, 2023, 9(6) **(Co–first author)**
4. Zhang Tingting, Chu Hanqi, **Chen Jin**. Mechanism of auditory dysfunction caused by cytomegalovirus infection. Int J Otolaryngol Head Neck Surg, 2023, 47 (3): 173–177. **(Corresponding author)**
5. Zhang Tingting, Chu Hanqi, **Chen Jin**. Research Advances in Age–Related Hearing Loss and Alzheimer's Disease. Chinese Journal of Otology, 2023, 21 (5):621–525. **(Corresponding author)**
6. Zhu Yan, Liang Chun, **Chen Jin**, Zong Liang, Chen Guang–Di, Zhao, Hong–Bo. Active cochlear amplification is dependent on supporting cell gap junctions, Nature Communications, 2013, 4: 0–1786 **(Co–first author)**
7. **Chen Jin**, Zhu Yan, Liang Chun, Chen Jing, Zhao Hong–Bo. Pannexin1 channels dominate ATP release in the cochlea ensuring endocochlear potential and auditory receptor potential generation and hearing, Scientific Reports, 2015, 5: 0–10762 **(Co–first author)**
8. **Chen Jin**, Chu Hanqi, Xiong Hao, Yu Yang, Huang Xiaowen, Zhou Liangqiang, Chen Qingguo, Bing Dan, Liu, Yun, Wang Shaoli, Cui, Yonghua. Downregulation of Ca(v)1.3 calcium channel expression in the cochlea is associated with age–related hearing loss in C57BL/6J mice, NEUROREPORT, 2013, 24(6): 313–317 **(First author, Selected as a cover story)**
9. **Chen Jin**; Chu Hanqi, Xiong Hao, Chen Qingguo, Zhou Liangqiang, Bing Dan, Liu Yun, Gao Yan, Wang Shaoli, Huang Xiaowen, Cui Yonghua. Expression patterns of Ca(V)1.3 channels in the rat cochlea, Acta Biochimica et Biophysica Sinica, 2012, 44(6): 513–518 **(First author, Selected as a cover story)**

10. **Chen Jin**, Chu Hanqi, Zhou Liangqiang, Yu Yang, Chen Qingguo, Bing Dan, Liu Yun, Wang Shaoli, Zhang Ping, Huang Xiaowen, Cui Yonghua. Expression of α D subunit of L type calcium channels in mice Cochlea and its correlation with presbycusis, Chinese Journal of Geriatrics. 2014,33(4),420–423. **(First author)**
11. **Chen Jin**, Chen Jing, Zhu Yan, Liang Chun, Zhao Hongbo. Deafness induced by Connexin26 (GJB2) deficiency is not determined by endocochlear potential (EP) reduction but is associated with cochlear developmental disorders. Biochem Biophys Res Commun. 2014,448(1), 28–32 . **(Co–first author)**
12. Liang Zong, **Jin Chen**, Yan Zhu, Hong–Bo Zhao. Progressive age–dependence and frequency difference in the effect of gap junctions on active cochlear amplification and hearing. Biochemical and Biophysical Research Communications 489 (2017) 223e227. **(Co–first author)**
13. Ling Mei, **Jin Chen** , Liang Zong, Yan Zhu, Chun Liang, Raleigh O. Jones , Hong–Bo Zhao. A deafness mechanism of digenic Cx26 (GJB2) and Cx30 (GJB6) mutations: Reduction of endocochlear potential by impairment of heterogeneous gap junctional function in the cochlear lateral wall. Neurobiology of Disease 108 (2017) 195 – 203. **(Co–first author)**
14. Fan Qi, Rongsheng Zhang, **Jin Chen**, Fei Zhao, Yanbo Sun, Zihui Du, Dan Bing, Pengjun Li, Shengli Shao, Hongmei Zhu, Hanqi Chu. Down–regulation of Cav1.3 in auditory pathway promotes age–related hearing loss by enhancing calcium–mediated oxidative stress in male mice. Aging (Albany NY). 2019; 11(16):6490–6502.
15. Du Zihui , **Chen Jin**, Zhu Hongmei, Chu Hanqi. Differential Expression of LaminB1 in the Developing Rat Cochlea. J Int Adv Otol. 2019;15(1):106 – 111
16. Du Zihui, **Chen Jin**, Chen Qingguo, Zhou Liangqiang, Bing Dan, Liu Yun, Sun Yanbo, Li Pengjun, Qi Fan, Zhu Hongmei, Chu Hanqi, Expression Patterns and Implications of LaminB1 in Rat Cochleae. Current medical science.2019, 39(2):305–309