

1998-2010



寧波大學医学院
MEDICAL SCHOOL OF NINGBOUNIVERSITY

学院概况

党建工作

教学工作

科研工作

学生工作

研究生教育

师资建设

平安工作

English

[返回首页](#)

[宁大首页](#)

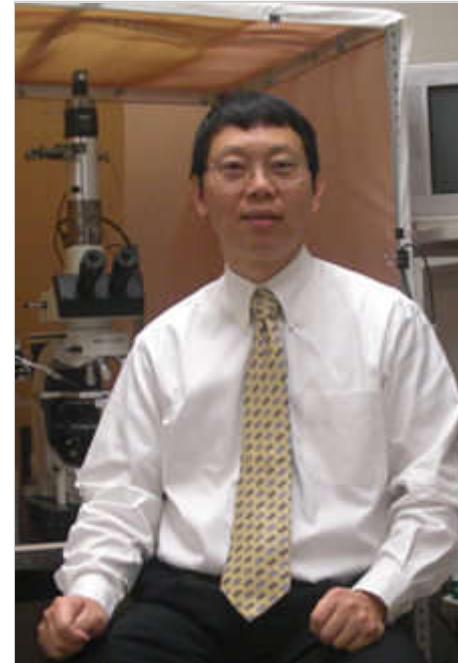
当前位置： [首页](#)>>[师资建设](#)>>[教授风采](#)>>正文

教授风采

何志洲教授

2012-11-14 00:00 (点击：)

-  师资建设
-  师资队伍
-  教授风采
-  人才招聘
-  历届出国培训医生



何志洲，浙江省千人计划（海鸥计划）入选者。1983年毕业于南京铁道医学院（现东南大学医学院）。1990年获中科院上海生理所博士学位（师从梁之安教授）。1992-1995年在美国西北大学Peter Dallos实验室做博士后。现为Creighton大学医学院的终身(正)教授、Bellucci听觉研究中心主任、博士生导师，兼职解放军总医院(301医院)耳鼻咽喉研究所名誉教授和第二军医大学、东南大学医学院客座教授。主持5项美国国立卫生院(NIH)课题。在过去的20年里，他在多种著名的杂志(*Nature*、*Science*、*Nature Neuroscience*、*Neuron*、*PNAS*、*Journal of Neuroscience*)上发表论文40多篇。内容皆有关耳蜗外毛细胞的电制运动、离子通道、机-电转换特性、外毛细胞膜动力蛋白(prestin)、毛细胞的发育及损伤修复等方面。论文引用次数超过2000次。曾于2006-2010年期间任命为美国国立卫生院基金听觉专业组(AUD study section)常任评委，同时是*Nature Neuroscience*、*Nature Review Neuroscience*、*Neuron*、*PNAS*及*Journal of Neuroscience*等杂志的审稿人。曾多次受邀于美国、欧洲、日本等多个大学举行学术讲座，并且主持过多个国际性专科学术会议。获得过包括Creighton大学医学院颁发的杰出研究生涯奖、日本科学促进会(JSPS)特邀会员奖等荣誉。

代表论著：

Mao ZP, Zhao LJ, Pu LC, Wang MX, Zhang Q, He DZ (2013). How well can centenarians hear? *PLoS One* 8(6):e65565. doi: 10.1371/journal.pone.0065565.

Zhang Q, Liu HZ, McGee J, Walsh EJ, Soukup GA, He DZ (2013). Identifying microRNAs involved in degeneration of the organ of Corti during age-related hearing loss. *PLoS One* 8(4), e62786. Doi:10.1371/journal.pone.0062786.

Tang J, Pecka J, Tan XT, Beisel KW, He DZ (2012). Lizard and frog prestin: Evolutionary insight into functional changes. *PLoS One* 8(1), e54388. doi: 10.1371/journal.pone.0054388.

Yang SM, Chen W, Guo WW, Sun JH, Young WY, Jia SP, He DZZ (2012). Regeneration of stereocilia of cochlear hair cells by forced Atoh1 expression in the adult mammalian cochlea. *PLoS One* 7(9), e46355. doi:10.1371/journal.pone.0046355.

Tan XD, Pecka JL, Tang J, Lovas S, Beisel KW & He DZZ (2012). An eleven-amino-acid motif is a structural adaptation that facilitates motor capability of eutherian prestin. *J Cell Sci* 125, 1039–1047.

Tang J, Pecka J, Tan XD, Beisel KW & He DZZ (2011). Engineered pendrin protein, an anion transporter and molecular motor. *J Biol Chem* 286, 31014–31021.

Tan XD, Pecka J, Tang J, Okoruwa OE, Zhang Q, Beisel KW & He DZZ (2011). From zebrafish to mammal: Functional evolution of prestin, the motor protein of cochlear outer hair cells. *J Neurophysiol* 105, 36–44. This publication is highlighted by Faculty 1000 (<http://f1000.com/>).

He DZZ, Jia SP, Zuo J, Latham S, Riordan GP, Kachar B (2010) Prestin function and the structure of the lateral membrane of outer hair cells. *Cytoskeleton* 67, 43–55.

Jia SP, Yang SM, Guo WW, He DZZ (2009) Fate of mammalian cochlear hair cells and stereocilia after loss of the stereocilia. *J Neurosci* 29, 15277–15285.

Dallos P, Wu XD, Gao J, Wang X, Jia SP, Anderson CT, Zhen J, Cheatham MA, He* DZZ & Zuo* J (2008) Prestin-based outer hair cell motility is necessary for mammalian cochlear amplification. *Neuron* 58, 333–339. *contribute equally

Gao JG, Wang X, Wu XD, Aguinaga S, Huynh K, Jia SP, Matsuda K, Patel M, Zheng J, Cheatham MA, He DZZ, Dallos P & Zuo J (2007). Prestin-based outer hair cell electromotility in knockin mice does not appear to adjust the operating point of a

- cilia-based amplifier. *Proc Natl Acad Sci USA* 104, 12542–12547.
- Albert JT, Winter H, Schaechinger TJ, Weber T, Wang X, He DZZ, Geisler H-S, Hendrich O, Zimmermann U, Göpfert MC, Oliver D & Knipper M (2007). Voltage-sensitive prestin orthologue expressed in zebrafish hair cells. *J Physiol* 580, 451–461.
- Jia SP, Dallos P & He DZZ (2007). Mechanoelectric transduction of adult inner hair cells. *J Neurosci* 27, 1006–1014.
- He DZZ, Zheng J, Kalinec F, Kakehata S, & Santos-Sacchi J (2006). Tuning in to the amazing outer hair cell: Membrane wizardry with a twist and a shout. *J Membr Biol* 209, 1–16.
- Jia SP, & He DZZ (2005). Motility-associated hair-bundle motion in mammalian outer hair cells. *Nature Neurosci* 8, 1024–1034.
- He DZZ, Jia SP & Dallos P (2004). Mechano-electrical transduction of adult outer hair cells studied in a gerbil hemicochlea. *Nature* 429, 766–770.
- He DZZ, Jia SP & Dallos P (2003). Prestin and the dynamic stiffness of cochlear outer hair cells. *J Neurosci* 23, 8210–8218.
- He DZZ, Beisel KW, Chen L, Ding D-L, Fritzsch B & Salvi R (2003). Chick hair cells do not exhibit voltage-dependent somatic motility. *J Physiol* 546, 511–520. This publication is highlighted by Faculty 1000 (<http://f1000.com/>).
- Liberman MC, Gao J, He DZZ, Wu XD, Jia SP & Zuo J (2002). Prestin is required for outer hair cell motility and the cochlear amplifier. *Nature* 419, 300–304.
- Oliver D, He DZZ, Klocker N, Ludwig J, Schulte U, Waldegg S, Ruppertsberg JP, Dallos P & Fakler B (2001). Intracellular anions as the voltage sensor of prestin, the outer hair cell motor protein. *Science* 292, 2340–2343.
- Zheng J, Shen WX, He DZZ, Long K, Madison LD & Dallos P (2000). Prestin is the motor protein of cochlear outer hair cells. *Nature* 405, 149–155.
- He DZZ & Dallos P (2000). Properties of voltage-dependent somatic stiffness of cochlear outer hair cells. *J Assoc Res Otolaryngol* 1, 64–81.
- He DZZ & Dallos P (1999). Development of acetylcholine-induced responses in neonatal gerbil outer hair cells. *J Neurophysiol* 81, 1162–1170.
- He DZZ & Dallos P (1999). Somatic stiffness of cochlear outer hair cells is

voltage-dependent. *Proc Natl Acad Sci USA* 96, 8223–8228.

He DZZ (1997). Relationship between the development of outer hair cell electromotility and efferent innervation: A study in cultured organ of Corti of neonatal gerbils. *J Neurosci* 17, 3634–3643.

Dallos P, He DZZ, Lin X, Sziklai I, Mehta S & Evans BN (1997). Effects of acetylcholine on outer hair cell electromotility. *J Neurosci* 17, 2212–2226.

He DZZ, Evans BN & Dallos P (1994). First appearance and development of electromotility in neonatal gerbil outer hair cells. *Hear Res* 78, 77–90.

【关闭窗口】

宁波大学医学院 地址：中国浙江宁波市江北区风华路818号

邮编315211，电话+86-574-87600674