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学习工作经历

1998/09 - 2003/07, 武汉大学, 临床医学本科

2003/09 - 2008/07, 中山大学, 心血管药理学硕博连读

2008/09 - 2009/12, University of Connecticut Health Center, 离子通道药理学博士后

2010/01 - 2013/01, The Queen's Medical Center, 离子通道药理学博士后

2013/02 - 至今, 中南大学药学院药理学系

研究领域

离子通道药理学; 离子通道生物物理学; 钙离子信号转导

发表论文

1. **Zhang Z**, Faouzi M, Huang J, Geerts D, Yu H, Fleig A, Penner R. N-Myc-induced up-regulation of TRPM6/TRPM7 channels promotes neuroblastoma cell proliferation. *Oncotarget*. 2014; 5(17):7625-34.
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3. Yu H*, **Zhang Z***, Lis A, Penner R, Fleig A. TRPM7 is regulated by halides through its kinase domain. *Cell Mol Life Sci*. 2013; 70(15):2757-71
4. Yu YH, Zhang L, Wu DS, **Zhang Z**, Huang FF, Zhang J, Chen XP, Liang DS, Zeng H, Chen FP. MiR-223 Regulates human embryonic stem cell differentiation by targeting the IGF-1R/Akt signaling pathway. *PLoS One*. 2013;8(11):e78769
5. **Zhang Z[#]**, Wang M, Fan XH, Chen JH, Guan YY, Tang YB[#]. Upregulation of trpm7 channels by angiotensin ii triggers phenotypic switching of vascular smooth muscle cells of ascending aorta. *Circ Res*. 2012;111(9):1137-46
6. Wang M*, Yang H*, Zheng LY*, **Zhang Z***, Tang YB, Wang GL, Du YH, Lv XF, Liu J, Zhou JG, Guan YY. Downregulation of tmem16a calcium-activated chloride channel contributes to cerebrovascular remodeling during hypertension by promoting basilar smooth muscle cell proliferation. *Circulation*. 2012;125:697-707
7. **Zhang Z**, Wang M, Xue SJ, Liu DH, Tang YB. Simvastatin ameliorates angiotensin ii-induced endothelial dysfunction through restoration of rho-bh4-enos-no pathway. *Cardiovasc Drugs Ther*. 2012;26:31-40
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11. Du J, Xie J, **Zhang Z**, Tsujikawa H, Fusco D, Silverman D, Liang B, Yue L. Trpm7-mediated Ca²⁺ signals confer fibrogenesis in human atrial fibrillation. *Circ Res*. 2010;106:992-1003
12. Chen HC, Xie J, **Zhang Z**, Su LT, Yue L, Runnels LW. Blockade of trpm7 channel activity and cell death by inhibitors of 5-lipoxygenase. *PLoS One*. 2010;5:e11161
13. Zeng H, Guo M, Martins-Taylor K, Wang X, **Zhang Z**, Park JW, Zhan S, Kronenberg MS, Lichtler A, Liu HX, Chen FP, Yue L, Li XJ, Xu RH. Specification of region-specific neurons including forebrain glutamatergic neurons from human induced pluripotent stem cells. *PLoS One*. 2010;5:e11853