

CHAN-YING ZHENG

Education

- 2005 **Ph.D.**, Zhejiang University School of Medicine
Hangzhou, China
Neuroscience Graduate Program
Dissertation Title: *Roles of the Intracellular C-terminus of NR2A Subunit in Assembling, Trafficking and Surface Expression of NMDA Receptors*
- 2000 **B.S.**, Zhejiang University School of Life Sciences
Hangzhou, China
Major: Biotechnology

Research Experience

- 2015 - Present **Associate Professor**, Interdisciplinary Institute of Neuroscience and Technology, Qiushi Academy for Advanced Studies, Zhejiang University.
- 2011 - 2014 **Research Fellow**, Receptor Biology Section, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD, U.S.A.
- 2010 - 2011 **Research Fellow**, Laboratory of Cell Structure and Dynamics, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Bethesda, MD, U.S.A.
- 2006 - 2010 **Visiting Fellow**, Laboratory of Neurochemistry, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Bethesda, MD, U.S.A.
- 2003 - 2005 **Collaborative Student**, Institute of Neuroscience, Chinese Academy of Sciences, Shanghai, China.

Selected Publications

- Zheng CY**, Chang K, Suh YH, and Roche KW*, (2015) TARP γ -8 glycosylation regulates the surface expression of AMPA receptors, *Biochemical Journal*, 465(3):471-7.
- Herringa B*, Shi Y*, Suh YH, **Zheng CY**, Blankenship SM, Rochec KW, Nicoll RA. (*co-first authorship) (2013) Cornichon proteins determine the subunit composition of synaptic AMPA receptors, *Neuron*, 77(6):1083-96.
- Zheng CY**, Seabold G, Horak M, Petralia R. (2011) MAGUKs, *Synaptic Development and Synaptic Plasticity, Neuroscientist*, 17(5):493-512#(review article). **Journal cover. Top 50 most-read articles of the Journal during September 2012.**
- Zheng CY**, Petralia RS, Wang YX, Wenthold RJ, Kachar B. (2011) Fluorescence Recovery After Photobleaching (FRAP) of pEGFP vector in spines of cultured hippocampal neurons. *J Vis Exp*, 16;(50). pii: 2568. doi: 10.3791/2568.
- Zheng CY**, Petralia RS, Wang YX, Wenthold RJ, Kachar B. (2011) Super resolution microscopy reveals slightly different localization of SAP102 and PSD-95 in spines. *Commun Integr Biol*. 4(1):104-5.

Zheng CY, RS Petralia, YX Wang, B Kachar, and RJ Wenthold. (2010). SAP102 is a highly mobile MAGUK in spines. *J. Neurosci.* 30(13):4757-4766. PMID: PMC2874826

Yang W*, **Zheng CY***, Luo JH. (*co-first authorship) (2007) A three amino acid tail following the TM4 region of NR2 subunits is sufficient to overcome ER retention of NR1-1a subunit. *J. Biol. Chem.*, 282(12), 9269-9278.

Zheng CY, Yang XJ, Fu ZY, Luo JH. (2006) Phorbol-induced surface expression of NR2A subunits in HEK293 cells, *Acta Pharmacologica Sinica.* 27(12): 1580-1585. **Journal cover.**

Zheng CY, Yang W, Luo JH. (2005) Influence of partially C-terminal deletion of NR2A subunits on the surface expression and function of NMDA receptor channels, *Acta Anatomica Sinica.* 36(6):63-67

Zheng CY, Luo JH, Zhao H. (2004) Molecular Mechanisms of AMPA Receptor Endocytosis, *Chinese Journal of Cell Biology* (# review article). 26(3):216-220

Zheng CY, Luo JH, Fu T, et al. (2003) Surface expression of NMDA receptors composed of NR1 subunit and NR2A subunit mutants with partially deleted C-terminus in HEK293 cells, *Journal of Zhejiang University, Medical Science.* 32(6):475-479

Yang W, JH Luo, Y Gao, M Huang, **CY Zheng**. (2003) Construction of expression vectors for C-terminally deleted NR2B subunit mutants and their application in the study of assembling of NMDA receptors, *Journal of Zhejiang University, Medical Science.* 32(6):480-485.