

ION Publication List

(2006.01—2006.12)

1. Wang, W., Duan, B., Xu, H., Xu, L., and **Xu, T.*** (2006) Calcium-permeable Acid-sensing Ion Channel Is a Molecular Target of the Neurotoxic Metal Ion Lead. *J. Biol. Chem.* 281: 2497-2505.
2. Tao, Y., Yan, D., Yang, Q., Zeng, R., and **Wang, Y.*** (2006) Low K⁺ promotes NF- κ B/DNA binding in neuronal apoptosis induced by K⁺ loss. *Mol. Cell Biol.* 26: 1038-1050.
3. Xu, N., Ye, C., **Poo, M.,*** and **Zhang, X.*** (2006) Coincidence detection of synaptic inputs is facilitated at the distal dendrites after long-term potentiation induction. *J. Neurosci.* 26: 3002-3009.
4. Yang, C, and **Xu, T.*** (2006) Thiopental inhibits glycine receptor function in acutely dissociated rat spinal dorsal horn neurons. *Neurosci. Lett.* 397: 196-200.
5. Zheng, C., and **Feng, L.*** (2006) Neuregulin regulates the formation of radial glial scaffold in hippocampal dentate gyrus of postnatal rats. *J. Cell. Physiol.* 207: 530-539.
6. Shen, W., Wu, B., Zhang, Z., Dou, Y., Rao, Z., Chen, Y., and **Duan, S.*** (2006) Activity-induced rapid synaptic maturation mediated by presynaptic cdc42 signaling. *Neuron* 50: 401-414.
7. Chen, Y., Wang, Q. Hu, H., Yu, P., Zhu, J., Drewes, G., Piwnica-Worms, H., and **Luo, Z.*** (2006) Microtubule affinity-regulating kinase 2 functions downstream of the PAR-3/PAR-6/atypical PKC complex in regulating hippocampal neuronal polarity. *Proc. Natl. Acad. Sci. USA.* 103: 8534-8539.
8. Ge, W., Yang, X., Zhang, Z., Wang, H., Shen, W., Deng, Q., and **Duan, S.*** (2006) Long-term potentiation of neuron-glia synapses mediated by Ca²⁺-permeable AMPA receptors. *Science* 312: 1533-1537.

9. Deng, Q., Wang, L., Dong, W., and He, S.* (2006) Lateral Components in the Cone Terminals of the Rabbit Retina: Horizontal Cell Origin and Glutamate Receptor Expression. *J. Comp. Neurol.* 496: 698-705.
10. Yang, Q., Yan, D., and **Wang, Y.*** (2006) K⁺ regulates DNA binding of transcription factors to control gene expression related to neuronal apoptosis. *Neuroreport* 17: 1199-1204.
11. **Zhang, X.***, Bao, L., and Guan, J. (2006) Role of delivery and trafficking of delta-opioid peptide receptors in opioid analgesia and tolerance. *Trends Pharmacol. Sci.* 27: 324-329.
(Review)
12. Yan, D., Gou, L., and **Wang, Y.*** (2006) Requirement of dendritic Akt degradation by ubiquitin proteasome system for neuronal polarity. *J. Cell Biol.* 174: 415-424.
13. Sun, T., Xiao, H., Zhou, P., Lu, Y., Bao, L., and **Zhang, X.*** (2006) Differential expression of synaptoporin and synaptophysin in primary sensory neurons and up-regulation of synaptoporin after peripheral nerve injury. *Neuroscience* 141: 1233-1245.
14. **Zhang, X.***, and Bao, L. (2006) The development and modulation of nociceptive circuitry. *Curr. Opin. Neurobiol.* 16: 460-466. (Review)
15. Zhou, Y., Wu, H., Li, S., Chen, Q., Cheng, X., Zheng, J., Takemori, H., and **Xiong, Z.*** (2006) Requirement of TORC1 for Late-Phase Long-Term Potentiation in the Hippocampus. *PLoS ONE* 1(1): e16.

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