

ION Publication List

(2007.01-2007.12)

1. Huang, H., Wang, S., Yao, W., Zhang, C., Zhou, Y., Chen, X., Zhang, B., Xiong, W., Wang, L., Zheng, L., Landry, M., Hokfelt, T., Xu, Z., and Zhou, Z.* (2007) Long latency of evoked quantal transmitter release from somata of locus coeruleus neurons in rat pontine slices. *Proc. Natl. Acad. Sci. USA*. 104: 1401-1406.
2. Huang, C., Jia, Y., Yang, S., Chen, B., Sun, H., Shen, F., and **Wang, Y.*** (2007) Characterization of ZNF23, a KRAB-containing protein that is downregulated in human cancers and inhibits cell cycle progression. *Exp. Cell Res.* 313, 254-263.
3. Chen, Q., He, S., Hu, X., Yu, J., Zheng, J., Zhou, Y., Zhang, S., Duan, W., and **Xiong, Z.*** (2007) Differential roles of NR2A- and NR2B-containing NMDA receptors in activity-dependent BDNF gene regulation and limbic epileptogenesis. *J. Neurosci.* 27: 542-552.
4. Guo, L., and **Wang, Y.*** (2007) Glutamate stimulates glutamate receptor interacting protein 1 degradation by ubiquitin-proteasome system to regulate surface expression of GluR2. *Neurosci.* 145: 100-109.
5. Ge, W., and **Duan, S.*** (2007) Persistent Enhancement of Neuron-Glia Signaling Mediated by Increased Extracellular K⁺ Accompanying Long-Term Synaptic Potentiation. *J. Neurophysiol.* 97: 2564-2569.
6. Wang, L., Lu, Y., Bao, L., and **Zhang, X.*** (2007) Peripheral nerve injury induces reorganization of galanin-containing afferents in the superficial dorsal horn of monkey spinal cord. *Eur. J. Neurosci.* 25: 1087-1096.
7. Guan, C., Xu, H., Jin, M., **Yuan, X.,*** and **Poo, M.*** (2007) Long-Range Ca²⁺ Signaling from Growth Cone to Soma Mediates Reversal of Neuronal Migration Induced by Slit-2. *Cell* 129: 385-395.
8. Peng, Y., and **Guo, A.*** (2007) Novel stimulus-induced calcium efflux in Drosophila mushroom bodies. *Eur. J. Neurosci.* 25: 2034-2044.
9. Jia, Y., Zhou, J., Tai, Y., and **Wang, Y.*** (2007) TRPC channels promote cerebellar granule neuron survival. *Nat. Neurosci.* 10: 559-567.
10. Peng, Y., Xi, W., Zhang, W., Zhang, K., and **Guo, A.*** (2007) Experience Improves Feature Extraction in Drosophila. *J. Neurosci.* 27: 5139-5145.
11. Ding, S., Luo, J., and **Yuan, X.*** (2007) Semaphorin-3F attracts the growth cone of cerebellar granule cells through cGMP signaling pathway. *Biochem. Biophys. Res. Commun.* 356:

857-863.

12. Guo, W., Jiang, H., Gray, V., Dedhar, S., and Rao, Y.* (2007) Role of the integrin-linked kinase (ILK) in determining neuronal polarity. *Dev. Biol.* 306: 457-468.
13. Zhang, K., Guo, J., Peng, Y., Xi, W., and **Guo, A.*** (2007) Dopamine-Mushroom Body Circuit Regulates Saliency-Based Decision-Making in Drosophila. *Science* 316: 1901-1904.
14. Shu, Y., Yu, Y., Yang, J., and McCormick, D.* (2007) Selective control of cortical axonal spikes by a slowly inactivating K⁺ current. *Proc. Natl. Acad. Sci. USA.* 104: 11453-11458.
15. Zhang, X., Zhu, J., Yang, G., Wang, Q., Qian, L., Chen, Y., Chen, F., Tao, Y., Hu, H., Wang, T., and **Luo, Z.*** (2007) Dishevelled promotes axon differentiation by regulating atypical protein kinase C. *Nat. Cell Biol.* 9: 743-754.
16. Chen, F., Qian, L., Yang, Z., Huang, Y., Ngo, S., Ruan, N., Wang, J., Schneider, C., Noakes, P., Ding, Y., Mei, L., and **Luo, Z.*** (2007) Rapsyn interaction with calpain stabilizes AChR clusters at the neuromuscular junction. *Neuron* 55: 247-260.
17. Zhang, Z., Chen, G., Zhou, W., Song, A., Xu, T., Luo, Q., Wang, W., Gu, X., and **Duan, S.*** (2007) Regulated ATP release from astrocytes through lysosome exocytosis. *Nat. Cell Biol.* 9: 945-953.
18. Wang, Z., Shen, B., Yao, H., Jia, Y., Ren, J., Feng, Y.*, and **Wang, Y.*** (2007) Blockage of intermediate-conductance-Ca²⁺-activated K⁺ channels inhibits progression of human endometrial cancer. *Oncogene* 26: 5107-5114.
19. Lu, J., Li, C., Zhao, J., **Poo, M.*,** and **Zhang, X.*** (2007) Spike-timing-dependent plasticity of neocortical excitatory synapses on inhibitory interneurons depends on target cell type. *J. Neurosci.*, 27: 9711-9720.
20. Shen, Z., Xu, W., and Li, C.* (2007) Cue-invariant Detection of Centre/Surround Discontinuity by V1 Neurons in Awake Macaque Monkey. *J. Physiol.* 583: 581-592.
21. Chen, G., Li, H., Chen, Y., Gu, X.*, and **Duan, S.*** (2007) Decreased estradiol release from astrocytes contributes to the neurodegeneration in a mouse model of Niemann-Pick disease type C. *Glia* 55: 1509-1518.
22. Duan, B., Wu, L., Yu, Y., Ding, Y., Jing, L., Xu, L., Chen, J.*, and **Xu, T.*** (2007) Upregulation of acid-sensing ion channel ASIC1a in spinal dorsal horn neurons contributes to inflammatory pain hypersensitivity. *J. Neurosci.* 27: 11139-11148.
23. Zhang, W., Ge, W., and **Wang, Z.*** (2007) A toolbox for light control of Drosophila behaviors through Channelrhodopsin 2-mediated photoactivation of targeted neurons. *Eur. J. Neurosci.* 26: 2405-2416.
24. Chen, X., Han, F., **Poo, M.*,** and Dan, Y.* (2007) Excitatory and suppressive receptive field subunits in awake monkey primary visual cortex (V1). *Proc. Natl. Acad. Sci. USA.* 104:

19120-19125.

25. **Poo, M.***, and Guo, A. (2007) Some recent advances in basic neuroscience research in China. *Philos. Trans. R. Soc. Lond. B. Biol. Sci.* 362: 1083-1092. (Review)
26. Wu, H., Zhou, Y., and **Xiong, Z.*** (2007) Transducer of regulated CREB and late phase long-term synaptic potentiation. *FEBS J.* 274: 3218-3223. (Review)
27. **Xu, T.***, and Xiong, Z. (2007) Dynamic regulation of acid-sensing ion channels by extracellular and intracellular modulators. *Curr. Med. Chem.* 14: 1753-1763. (Review)

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