

# Featured Publications

(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. 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.
3. Guan, C., Xu, H., Jin, M., **Yuan, X.,\*** and **Poo, M.\*** (2007) Long-Range Ca<sup>2+</sup> Signaling from Growth Cone to Soma Mediates Reversal of Neuronal Migration Induced by Slit-2. *Cell* 129: 385-395.
4. Jia, Y., Zhou, J., Tai, Y., and **Wang, Y.\*** (2007) TRPC channels promote cerebellar granule neuron survival. *Nat. Neurosci*. 10: 559-567.
5. Peng, Y., Xi, W., Zhang, W., Zhang, K., and **Guo, A.\*** (2007) Experience Improves Feature Extraction in Drosophila. *J. Neurosci*. 27: 5139-5145.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.

12. 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.

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