

ION Publication List

(2008.01-2008.12)

1. Chen, G., Sima, J., Jin, M., Wang, K., Xue, X., Zheng, W., Ding, Y., and **Yuan, X.*** (2008) Semaphorin-3A guides radial migration of cortical neurons during development. *Nat. Neurosci.* 11: 36-44.
2. Zhang, L., Gong, N., Fei, D., Xu, L., and **Xu, T.*** (2008) Glycine Uptake Regulates Hippocampal Network Activity via Glycine Receptor-Mediated Tonic Inhibition. *Neuropsychopharmacology* 33: 701-711.
3. Zhang, X., Sun, G., Liu, L., Yu, F., and **Xu, T.*** (2008) Alpha 2 Subunit Specificity of Cyclothiazide Inhibition on Glycine Receptors. *Mol. Pharmacol.* 73: 1195-1202.
4. Xi, W., Peng, Y., Guo, J., Ye, Y., Zhang, K., Yu, F., and **Guo, A.*** (2008) Mushroom bodies modulate salience-based selective fixation behavior in *Drosophila*. *Eur. J. Neurosci.*, 27: 1441-1451.
5. Shen, B., Zhou, K., Yang, S., Xu, T., and **Wang, Y.*** (2008) The Kv4.2 mediates excitatory activity-dependent regulation of neuronal excitability in rat cortical neurons. *J. Neurochem.* 105: 773-783.
6. Zheng, J., Shen, W., Lu, T., Zhou, Y., Chen, Q., Wang, Z., Xiang, T., Zhu, Y., Zhang, C., Duan, S., and **Xiong, Z.*** (2008) Clathrin-dependent endocytosis is required for TrkB-dependent Akt-mediated neuronal protection and dendritic growth. *J. Biol. Chem.* 283: 13280-13288.
7. Liu, T., Dartevelle, L., Yuan, C., Wei, H., Wang, Y., Ferveur J.*, and **Guo, A.*** (2008) Increased dopamine level enhances male-male courtship in *Drosophila*. *J. Neurosci.* 28: 5539-5546.
8. Yao, Y., Ding, X., Jia, Y., Huang C., **Wang, Y.***, and Xu, Y.* (2008) Anti-tumor effect of b-elemene in glioblastoma cells 3 depends on p38 MAPK activation. *Cancer Lett.* 264: 127-134.
9. Huang, C., Yang, S., Ge, R., Sun, H., Shen, F.*, and **Wang, Y.*** (2008) ZNF23 induces apoptosis in human ovarian cancer cells. *Cancer Lett.* 266: 135-143.
10. Zhou, J., Du, W., Zhou, K., Tai, Y., Yao, H., Jia Y., Ding, Y., and **Wang, Y.*** (2008) Critical role of TRPC6 channels in the formation of excitatory synapses. *Nat. Neurosci.* 11: 741-743.
11. Tai, Y., Feng, S., Ge, R., Du, W., Zhang, X., He, Z., and **Wang, Y.*** (2008) TRPC6 channels promote dendritic growth via the CaMKIV-CREB pathway. *J. Cell Sci.* 121: 2301-2307.
12. Jia, J., Chen, Q., Zhou, Y., Miao, S., Zheng, J., Zhang, C., and **Xiong, Z.*** (2008)

- BDNF-TRKB signaling contributes to activity-dependent changes in synaptic proteins. *J. Biol. Chem.* 283: 21242-21250.
13. Wang, J., Ruan, N., Qian, L., Lei, W., Chen, F., and **Luo, Z.*** (2008) Wnt/beta-catenin signaling suppresses rapsyn expression and inhibits acetylcholine receptor clustering at the neuromuscular junction. *J. Biol. Chem.* 283: 21668-21675.
 14. Wang, H., Guan, J., Bao, L., and **Zhang, X.*** (2008) Distinct Subcellular Distribution of delta-Opioid Receptor Fused with Various Tags in PC12 Cells. *Neurochem. Res.* 33: 2028-2034.
 15. Zhang, Z., Gong, N., Wang, W., Xu, L., and **Xu, T.*** (2008) Bell-Shaped D-Serine Actions on Hippocampal Long-Term Depression and Spatial Memory Retrieval. *Cereb. Cortex* 18: 2391-2401.
 16. Zhou, X., Wu, K., Liang, B., Fu, X., and **Luo, Z.*** (2008) TrkB-mediated activation of geranylgeranyltransferase I promotes dendritic morphogenesis. *Proc. Natl. Acad. Sci. USA.* 105: 17181-17186.
 17. Xu, C., Zhao, M., **Poo, M.***, and **Zhang, X.*** (2008) GABA(B) receptor activation mediates frequency-dependent plasticity of developing GABAergic synapses. *Nat. Neurosci.* 11: 1410-1418.
 18. Li, H., Chen, G., Zhou, B., and **Duan, S.*** (2008) Actin Filament Assembly by MARCKS-PI(4,5)P2 Signaling Is Critical for Dendrite Branching. *Mol. Biol. Cell* 19: 4804-4813.
 19. Zhang, X., Jiang, P., Gong, N., Hu, X., Fei, D., Xiong, Z., Xu, L., and **Xu, T.*** (2008) A-type GABA receptor as a central target of TRPM8 agonist menthol. *PLoS One* 3: e3386.
 20. Chen, M., Lu, T., Chen, X., Zhou, Y., Duan, W., and **Xiong, Z.*** (2008) Differential roles of NMDA receptor subtypes in ischemic neuronal cell death and ischemic tolerance. *Stroke* 39: 3042-3048.
 21. Zheng, W. and **Yuan, X.*** (2008) Guidance of cortical radial migration by diffusible factors. *Cell Adhesion and Migration.* 2: 48-50. (Extra view)

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