

# Featured Publications

(2013.01-2013.12)

1. Miao, S., Chen, R., Ye, J., Tan, G., Li, S., Zhang, J., Jiang, Y., and **Xiong, Z.\*** (2013) The angelman syndrome protein Ube3a is required for polarized dendrite morphogenesis in pyramidal neurons. *J. Neurosci.* 33: 327-333.
2. Chen, M., Liu, Y., Wei, L., and **Zhang, M.\*** (2013) Parietal cortical neuronal activity is selective for express saccades. *J. Neurosci.* 33: 814-823.
3. Shao, W., Zhang, S., Tang, M., Zhang, X., Zhou, Z., Yin, Y., Zhou, Q., Huang, Y., Liu, Y., Wawrousek, E., Chen, T., Li, S., Xu, M., Zhou, J., Hu, G., and **Zhou, J.\*** (2013) Suppression of neuroinflammation by astrocytic dopamine D2 receptors via  $\alpha$ B-crystallin. *Nature* 494: 90-94.
4. Wang, X., Li, W., Yu, Y., Xiao, X., Cheng, J., Zeng, W., Peng, Z., Zhu, M., and Xu, T.\* (2013) Serotonin facilitates peripheral pain sensitivity in a manner that depends on the nonproton ligand sensing domain of ASIC3 channel. *J. Neurosci.* 33: 4265-4279.
5. Zeng, W., Liu, D., Duan, B., Song, X., Wang, X., Wei, D., Jiang, W., Zhu, M., Li, Y., and Xu, T.\* (2013) Molecular mechanism of constitutive endocytosis of acid-sensing ion channel 1a and its protective function in acidosis-induced neuronal death. *J. Neurosci.* 33: 7066-7078.
6. Li, P., Zhu, S., Chen, M., Han, C., Xu, H., Hu, J., Fang, Y., and **Lu, H.\*** (2013) A motion direction preference map in monkey V4. *Neuron* 78: 376-388.
7. Zhu, Y., Li, D., Wang, L., Lu, B., Zheng, J., Zhao, S., Zeng, R., and **Xiong, Z.\*** (2013) Palmitoylation-dependent CDKL5-PSD-95 interaction regulates synaptic targeting of CDKL5 and dendritic spine development. *Proc. Natl. Acad. Sci. USA.* 110: 9118-9123.
8. Huang, T., Hu, J., Wang, B., Nie, Y., Geng, J., and **Cheng, L.\*** (2013) Tlx3 controls cholinergic transmitter and peptide phenotypes in a subset of prenatal sympathetic neurons. *J. Neurosci.* 33: 10667-10675.
9. Liu, Y., Xu, X., Chen, Q., Wang, T., Deng, C., Song, B., Du, J., and **Luo, Z.\*** (2013) Myosin Vb controls biogenesis of post-Golgi Rab10 carriers during axon development. *Nat. Commun.* 4: 2005.
10. Feng, S., Li, H., Tai, Y., Huang, J., Su, Y., Abramowitz, J., Zhu, M., Birnbaumer, L.\*, and **Wang, Y.\*** (2013) Canonical transient receptor potential 3 channels regulate mitochondrial calcium uptake. *Proc. Natl. Acad. Sci. USA.* 110: 11011-11016.
11. Zhou, J., Wen, Y., She, L., Sui, Y., Liu, L., Richards, L., and **Poo, M.\*** (2013) Axon position

within the corpus callosum determines contralateral cortical projection. *Proc. Natl. Acad. Sci. USA.* 110: E2714-E2723.

12. Li, H., Li, Y., Lei, Z., Wang, K., and **Guo, A.\*** (2013) Transformation of odor selectivity from projection neurons to single mushroom body neurons mapped with dual-color calcium imaging. *Proc. Natl. Acad. Sci. USA.* 110: 12084-12089.
13. Li, K., Zhou, T., Liao, L., Yang, Z., Wong, C., Henn, F., Malinow, R., Yates, J., and **Hu, H.\*** (2013)  $\beta$ CaMKII in lateral habenula mediates core symptoms of depression. *Science* 341: 1016-1020.
14. Lu, T., Chen, R.\*, Cox, T., Moldrich, R., Kurniawan, N., Tan, G., Perry, J., Ashworth, A., Bartlett, P., Xu, L., Zhang, J., Lu, B., Wu, M., Shen, Q., Liu, Y., Richards, L., and **Xiong, Z.\*** (2013) X-linked microtubule-associated protein, Mid1, regulates axon development. *Proc. Natl. Acad. Sci. USA.* 110: 19131-19136.

**\* Corresponding Authors**