



科学研究

发表论文 授权专利 成果奖励

当前位置: 首页 > 科学研究 > 科研成果

研究平台

联合实验室

科研成果

科研新闻

2020 2019

Xu, B., Tang, X., Jin, M., Zhang, H., Du, L., Yu, S., **He, J***. (2020) Unifying developmental programs for embryonic and postembryonic neurogenesis in the zebrafish retina. *Development* 147:dev185660.

Deng, J.*, Zhou, H., Lin, J., Shen, Z., Chen, W., Wang, L., Li, Q., Mu, D., Wei, Y., Xu, X. and **Sun, Y.***(2020) The parabrachial nucleus directly channels spinal nociceptive signals to the intralaminar thalamic nuclei, but not the amygdala. *Neuron* In press.

Zhang, X., Dou, Y., Yuan, L., Li, Q., Zhu, Y., Wang, M., **Sun, Y***. (2020) Different neuronal populations mediate inflammatory pain analgesia by exogenous and endogenous opioids. *eLife* 9:e55289

Liu, D., Deng, J., Zhang, Z., Zhang, Z., Sun, Y., Yang, T. & **Yao, H***. (2020) Orbitofrontal control of visual cortex gain promotes visual associative learning. *Nat. Commun.*11:2784

Lv, Q., Lv, Q., Yin, D., Zhang, C., Sun, B., Voon, V.*, **Wang, Z***. (2020) Neuroanatomical substrates and predictors of response to capsulotomy in intractable obsessive-compulsive disorder. *Biol. Psychiat.* In press.

Zuo, E.*, Sun, Y., Yuan, T., He, B., Zhou, C., Ying, W., Liu, J., Wei, W., Zeng, R., Li, Y.* & **Yang, H***. (2020) A rationally engineered cytosine base editor retains high on-target activity while reducing both DNA and RNA off-target effects. *Nat. Methods* In press.

Zha, X., Wang, L., Jiao, Z., Yang, R., Xu, C., and **Xu, X***. (2020) VMHvl-Projecting Vglut1+ Neurons in the Posterior Amygdala Gate Territorial Aggression. *Cell Rep.* 31:107517.

Li, J.*, Li, H., Gu, S., Jiang, L., **Du, J***. (2020) One-step generation of zebrafish carrying conditional knockout-knockin switch via CRISPR/Cas9-mediated intron targeting. *Sci. China Life Sci.* 63 (1): 59-67.

Liu, J., Zhang, R., Shang, C., Zhang, Y., Feng, Y., Pan, L., Xu, B., Hyeon, T., Bu, W., Shi, J., and **Du, J***. (2020). Near-infrared voltage nanosensors enable real-time imaging of neuronal activities in mice and zebrafish. *J. Am. Chem. Soc.* 142:7858-7867.

Zhou, H.*, Su, J., Hu, X., Zhou, C., Li, H., Chen, Z., Xiao, Q., Wang, B., Wu, W., Sun, Y., Zhou, Y., Tang, C., Liu, F., Wang, L., Feng, C., Liu, M., Li, S., Zhang, Y., Xu, H., Yao, H., Shi, L., **Yang, H***. (2020) Glia-to-neuron conversion by CRISPR-CasRx alleviates symptoms of neurological disease in mice. *Cell* 181:1-14

Zhou, C., Hu, X., Tang, C., Liu, W., Wang, S., Zhou, Y., Zhao, Q., Bo, Q., Shi, L., Sun, X.*, Zhou, H.*, **Yang, H***. (2020) CasRx-mediated RNA targeting prevents choroidal neovascularization in a mouse model of age-related macular degeneration. *NSR* 7:835-837.

He, B., Peng, W., Huang, J., Zhang, H., Zhou, Y., Yang, X., Liu, J., Li, Z., Xu, C., Xue, M., **Yang, H***. & Huang, P.* (2020) Modulation of metabolic functions through Cas13d-mediated gene knockdown in liver. *Protein Cell* In press.

Wang, H., Yang, Z., Li, X., Huang, D., Yu, S., **He, J***, Li, Y.*, **Yan, J***. (2020) Single-cell in vivo imaging of cellular circadian oscillators in zebrafish. *PLOS Biol.* 18: e3000435.

Zhu, J., Cheng, Q., Chen, Y., Fan, H., Han, Z., Hou, R., Chen, Z., **Li, C***. (2020) Transient Delay-Period Activity of Agranular Insular Cortex Controls Working Memory Maintenance in Learning Novel Tasks. *Neuron* 105:934-946.

Yuan, J., Chang, S., Yin, S., Liu, Z., Cheng, X., Liu, X., Jiang, Q., Gao, G., Lin, D., Kang, X., Ye, S., Chen, Z., Yin, J., Hao, P., Jiang, L.* & **Cai, S***. (2020) Two conserved epigenetic regulators prevent healthy ageing. *Nature* 579:118-122.

Zhan, Y., Wei, J., Liang, J., Xu, X., He, R.*, Robbins, T., **Wang, Z***. (2020) Diagnostic classification for human autism and obsessive-compulsive disorder based on machine learning from a primate genetic model. *AM. J. Psychiat.* In press.

