

Refereed Archival Journal Publications

1. Wanjie Wu, Yingzhu He, Yujun Chen, Yiming Fu, Sicong He, Kai Liu, Jianan Y. QU, "Microglial-Mediated Prevention of Axonal Degeneration in the Injured Spinal Cord: Insights from an In Vivo Imaging Study", *Nature Communication*, (Accepted)(2024). <https://doi.org/10.1101/2024.04.13.589343>
2. Jiahao Chen, Honggao Wang, Shuting Wu, Ao Zhang, Zhongkai Qiu, Peng Huang, Jianan Y. Qu, Jin Xu, "col1a2⁺ fibroblasts/muscle progenitors finetune xanthophore countershading by differentially expressing *csf1a/1b* in embryonic zebrafish", *Science Advances* (2024). <https://doi.org/10.1126/sciadv.adj9637>
3. Yingzhu He, Youshan Heng, Zhongya Qin, Xiuqing Wei, Zhenguo Wu, Jianan Qu, "Intravital microscopy of satellite cell dynamics and their interaction with myeloid cells during skeletal muscle regeneration", *Science Advances* (2023). <https://doi.org/10.1126/sciadv.adi1891>
4. Min Liu, Chunjian Wu, Rui Wang, Jiaming Qiu, Zhentao SHE, Jianan Qu, Jiang Xia, "Modulating Liquid-Liquid Phase Separation of Nck Adaptor Protein against Enteropathogenic Escherichia coli Infection", *ACS Cent. Sci.*, 9,12,2358-2368 (2023). <https://doi.org/10.1021/acscentsci.3c01068>
5. Ao Zhang, Jingao Lu, Shachuan Feng, Huapeng Yu, Tao Yu, Shizheng Zhao, Kemin Chen, Zhibin Huang, Jin Xu, Jianan Y.Qu, Zilong Wen, " Fli1 acts in parallel with Pu.1 to control macrophage and neutrophil fate in zebrafish", *Journal of Genetics and Genomics*, (2023). <https://doi.org/10.1016/j.jgg.2023.11.001>
6. Wanjie Wu, Sicong He, Yujun Chen, Congping Chen, Yiming Fu, Kai Liu, Jianan Y. Qu, "Minimally invasive microglial and neuronal imaging in mouse spinal cord dorsal horn (Invited paper)", *IEEE Journal of Selected Topics in Quantum Electronics* (2023). <https://doi.org/10.1109/JSTQE.2022.3229705>
7. Xiao Li, Ling He, Xiaohan Hu, Fengwen Huang, Xue Wang, Mengying Chen, Ezra Ginn Yoon, Stephen Temitayo Bello, Tao Chen, Xi Chen, Peng Tang, Congping Chen, Jianan Qu, Jufang He, "Interhemispheric cortical long-term potentiation in the auditory cortex requires heterosynaptic activation of entorhinal projection", *iScience*, 26, 4, (2023). <https://doi.org/10.1016/j.isci.2023.106542>
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9. Yue Wang, Min Liu, Qixin Wei, Wanjie Wu, Yanping He, Jiayang Gao, Renjie Zhou, Liwen Jiang, Jianan Qu, Jiang Xia, "Phase - Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote". *Angewandte Chemie International Edition*, e202203909, <https://doi.org/10.1002/anie.202203909> (2022).
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11. Wanjie Wu, Xuesong Li., Janan Qu, and Sicong He, "in vivo Imaging of Biological Tissues with Combined Two-Photon Fluorescence and Stimulated Raman Scattering Microscopy", *J. Vis. Exp. (JoVE)* (178), e63411, <https://dx.doi.org/10.3791/63411> (2021)
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15. Ye Wang, Wing-Yu Fu, Kit Cheung, Kwok-Wang Hung, Congping Chen, Hongyan Geng, Wing-Ho Yung, Jianan Y. Qu, Amy K. Y. Fu and Nancy Y. Ip, "Astrocyte-secreted IL-33 mediates homeostatic synaptic plasticity in the adult hippocampus", *Proceedings of the National Academy of Sciences of the United States of America*, V.118, (2021), <https://doi.org/10.1073/pnas.2020810118>
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