

Refereed Archival Journal Publications

1. Wanjie Wu, Yingzhu He, Yujun Chen, Yiming Fu, Sicong He, Kai Liu, Jianan Y. QU, "In Vivo Imaging in Mouse Spinal Cord Reveals that Microglia Prevent Degeneration of Injured Axons", *Nature Communications*, (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. Zhujuan Huang, Yongtai Xu, Zhongkai Qiu, Yunyun Jiang, Jiaye Wu, Qing Liu, Sicong He, Jianan Y. Qu, Jiahao Chen, Jin Xu, "Caudal hematopoietic tissue supports definitive erythrocytes via epoa and is dispensable for definitive neutrophils", *Journal of Genetics and Genomics*, (2024). <https://doi.org/10.1016/j.jgg.2024.02.001>
4. 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>
5. 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>
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7. 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>
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9. Zhongya Qin, Zhentao She, Congping Chen, Wanjie Wu, Jackie K.Y. Lau, Nancy Y. Ip and Jianan Y. Qu, "Deep tissue multi-photon imaging using adaptive optics with direct focus sensing and shaping", *Nature Biotechnology* (2022). <https://doi.org/10.1038/s41587-022-01343-w>
10. 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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12. 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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