

Stanford

Yuanhao Qu

Ph.D. Student in Cancer Biology, admitted Autumn 2019

Bio

EDUCATION AND CERTIFICATIONS

- B.S., University of California, San Diego , Biochemistry and Cell Biology (2019)

Publications

PUBLICATIONS

- **Long sequence insertion via CRISPR/Cas gene-editing with transposase, recombinase, and integrase** *CURRENT OPINION IN BIOMEDICAL ENGINEERING*

Wang, X., Xu, G., Johnson, W. A., Qu, Y., Yin, D., Ramkissoon, N., Xiang, H., Cong, L.
2023; 28

- **Integrative analysis of functional genomic screening and clinical data identifies a protective role for spironolactone in severe COVID-19.** *Cell reports methods*

Cousins, H. C., Kline, A. S., Wang, C., Qu, Y., Zengel, J., Carette, J., Wang, M., Altman, R. B., Luo, Y., Cong, L.
2023; 3 (7): 100503

- **Machine-learning-optimized Cas12a barcoding enables the recovery of single-cell lineages and transcriptional profiles.** *Molecular cell*

Hughes, N. W., Qu, Y., Zhang, J., Tang, W., Pierce, J., Wang, C., Agrawal, A., Morri, M., Neff, N., Winslow, M. M., Wang, M., Cong, L.
2022

- **dCas9-based gene editing for cleavage-free genomic knock-in of long sequences.** *Nature cell biology*

Wang, C., Qu, Y., Cheng, J. K., Hughes, N. W., Zhang, Q., Wang, M., Cong, L.
2022

- **CRISPR-Cas12a System With Synergistic Phage Recombination Proteins for Multiplex Precision Editing in Human Cells.** *Frontiers in cell and developmental biology*

Wang, C., Xia, Q., Zhang, Q., Qu, Y., Su, S., Cheng, J. K., Hughes, N. W., Cong, L.
2021; 9: 719705

- **Cleavage-Free dCas9 Knock-In Gene-Editing Tool Leveraging RNA-Guided Targeting of Recombineering Proteins**

Cong, L., Wang, C., Cheng, J. W., Qu, Y., Zhang, Q.
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