



Yitong Ma

Postdoctoral Scholar, Bioengineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, California Institute of Technology (2023)
- PhD, Caltech , System and synthetic biology (2023)

STANFORD ADVISORS

- Stanley Qi, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A CRISPR-Cas13d cancer therapeutic enables selective elimination of uveal melanoma.** *Molecular therapy. Oncology*
Stauber, D., Sosnick, L., Ma, Y., Pimcharoen, S., Lawanprasert, A., Murthy, N., Myung, D., Qi, L. S.
2026; 34 (1): 201151
- **A CRISPR-Cas13d cancer therapeutic enables selective elimination of uveal melanoma** *MOLECULAR THERAPY ONCOLOGY*
Stauber, D., Sosnick, L., Ma, Y., Pimcharoen, S., Lawanprasert, A., Murthy, N., Myung, D., Qi, L. S.
2026; 34 (1)
- **CRISPR-Cas13d-Mediated Targeting of a Context-Specific Essential Gene Enables Selective Elimination of Uveal Melanoma.** *bioRxiv : the preprint server for biology*
Stauber, D., Sosnick, L., Ma, Y., Pimcharoen, S., Lawanprasert, A., Murthy, N., Myung, D., Qi, L. S.
2025
- **Programmable control of spatial transcriptome in live cells and neurons.** *Nature*
Han, M., Fu, M. L., Zhu, Y., Choi, A. A., Li, E., Bezney, J., Cai, S., Miles, L., Ma, Y., Qi, L. S.
2025
- **EasyFlow: An open-source, user-friendly cytometry analyzer with graphic user interface (GUI).** *PloS one*
Ma, Y., Eizenberg-Magar, I., Antebi, Y.
2024; 19 (11): e0308873
- **The realization of CRISPR gene therapy.** *Nature chemical biology*
Ma, Y., Qi, L. S.
2024
- **Tuning Methylation-Dependent Silencing Dynamics by Synthetic Modulation of CpG Density.** *ACS synthetic biology*
Ma, Y., Budde, M. W., Zhu, J., Elowitz, M. B.
2023
- **Tuning methylation-dependent silencing dynamics by synthetic modulation of CpG density.** *bioRxiv : the preprint server for biology*

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2023

- **Synthetic mammalian signaling circuits for robust cell population control.** *Cell*
Ma, Y., Budde, M. W., Mayalu, M. N., Zhu, J., Lu, A. C., Murray, R. M., Elowitz, M. B.
2022