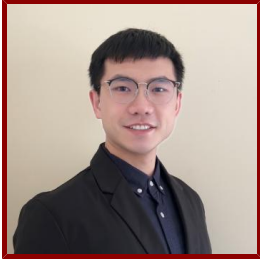


Stanford



Wubing Zhang

Postdoctoral Scholar, Stem Cell Biology and Regenerative Medicine

 Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Tongji University (2022)
- Bachelor of Science, Harbin Medical University (2017)
- Ph.D., Tongji University, Shanghai, China , Bioinformatics (2022)
- B.S., Harbin Medical University, Harbin, China , Bioinformatics (2017)

STANFORD ADVISORS

- Aaron Newman, Postdoctoral Research Mentor
- Aaron Newman, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.co.uk/citations?user=RDLA3YQAAAAJ&hl=en>
- Github: <https://github.com/WubingZhang>
- Twitter: <https://twitter.com/Wubing44589261>
- linkedin: <https://cn.linkedin.com/in/wubing-zhang-2168a0208>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I'm interested in developing innovative methods and integrating multi-omics data to understand tumor-immune regulation and identify potential targets for cancer therapy.

Publications

PUBLICATIONS

- **High-resolution alignment of single-cell and spatial transcriptomes with CytoSPACE.** *Nature biotechnology*
Vahid, M. R., Brown, E. L., Steen, C. B., Zhang, W., Jeon, H. S., Kang, M., Gentles, A. J., Newman, A. M.
2023
- **Addressing Tumor Heterogeneity by Sensitizing Resistant Cancer Cells to T cell-secreted Cytokines.** *Cancer discovery*
Ito, Y., Pan, D., Zhang, W., Zhang, X., Juan, T. Y., Pyrdol, J. W., Kyrasyuk, O., Doench, J. G., Liu, X. S., Wucherpennig, K. W.
2023
- **Machine learning on syngeneic mouse tumor profiles to model clinical immunotherapy response.** *Science advances*
Zeng, Z., Gu, S. S., Wong, C. J., Yang, L., Ouardaoui, N., Li, D., Zhang, W., Brown, M., Liu, X. S.

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- **Hippo signaling pathway regulates cancer cell-intrinsic MHC-II expression.** *Cancer immunology research*
Zeng, Z., Gu, S. S., Ouardaoui, N., Tymms, C., Yang, L., Wong, C. J., Li, D., Zhang, W., Wang, X., Weirather, J. L., Rodig, S. J., Hodi, F. S., Brown, et al
2022
- **Machine Learning Modeling of Protein-intrinsic Features Predicts Tractability of Targeted Protein Degradation** *GENOMICS PROTEOMICS & BIOINFORMATICS*
Zhang, W., Burman, S., Chen, J., Donovan, K. A., Cao, Y., Shu, C., Zhang, B., Zeng, Z., Gu, S., Zhang, Y., Li, D., Fischer, E. S., Tokheim, et al
2022; 20 (5): 882-898
- **TISMO: syngeneic mouse tumor database to model tumor immunity and immunotherapy response** *NUCLEIC ACIDS RESEARCH*
Zeng, Z., Wong, C. J., Yang, L., Ouardaoui, N., Li, D., Zhang, W., Gu, S., Zhang, Y., Liu, Y., Wang, X., Fu, J., Zhou, L., Zhang, et al
2022; 50 (D1): D1391-D1397
- **Therapeutically Increasing MHC-I Expression Potentiates Immune Checkpoint Blockade** *CANCER DISCOVERY*
Gu, S., Zhang, W., Wang, X., Jiang, P., Traugh, N., Li, Z., Meyer, C., Stewig, B., Xie, Y., Bu, X., Manos, M. P., Font-Tello, A., Gjini, et al
2021; 11 (6): 1524-1541
- **Integrative analysis of pooled CRISPR genetic screens using MAGeCKFlute** *NATURE PROTOCOLS*
Wang, B., Wang, M., Zhang, W., Xiao, T., Chen, C., Wu, A., Wu, F., Traugh, N., Wang, X., Li, Z., Mei, S., Cui, Y., Shi, et al
2019; 14 (3): 756-780
- **IGSA: Individual Gene Sets Analysis, including Enrichment and Clustering** *PLOS ONE*
Wu, L., Chen, X., Zhang, D., Zhang, W., Liu, L., Ma, H., Yang, J., Xie, H., Liu, B., Jin, Q.
2016; 11 (10): e0164542

PRESENTATIONS

- Machine learning modeling of protein-intrinsic features predicts tractability of targeted protein degradation - Dana-Farber Cancer Institute Targeted Protein Degradation Seminar Series
- Depmap