

Stanford



Guiping Wang

Postdoctoral Scholar, Dermatology

Bio

HONORS AND AWARDS

- Best Poster Award, Gordon Research Seminars, Post-Transcriptional Gene Regulation (2016)
- Early Career Award, FASEB Science Research Conference (2019)
- School of Medicine Dean's Postdoctoral Fellowship, Stanford University (2022)

PROFESSIONAL EDUCATION

- Master of Arts, Harvard University (2017)
- Doctor of Philosophy, Harvard University (2020)
- Bachelor of Science, University of Science and Technology of China , Physics/Optics (2013)

STANFORD ADVISORS

- Howard Chang, Postdoctoral Faculty Sponsor
- Howard Chang, Postdoctoral Research Mentor

PATENTS

- Guiping Wang, Xiaowei Zhuang, Jeffrey R. Moffitt. "United States Multiplexed imaging using merfish, expansion microscopy, and related technologies (pending)", Harvard College

LINKS

- Chang Lab: <https://med.stanford.edu/changlab.html>

Research & Scholarship

LAB AFFILIATIONS

- Howard Chang, Chang lab (12/1/2020)

Publications

PUBLICATIONS

- **Inducible lncRNA transgenic mice reveal continual role of HOTAIR in promoting breast cancer metastasis.** *eLife*
Ma, Q., Yang, L., Tolentino, K., Wang, G., Zhao, Y., Litzemberger, U. M., Shi, Q., Zhu, L., Yang, C., Jiao, H., Zhang, F., Li, R., Tsai, et al
2022; 11
- **Structural plasticity of actin-spectrin membrane skeleton and functional role of actin and spectrin in axon degeneration.** *eLife*
Wang, G. n., Simon, D. J., Wu, Z. n., Belsky, D. M., Heller, E. n., O'Rourke, M. K., Hertz, N. T., Molina, H. n., Zhong, G. n., Tessier-Lavigne, M. n., Zhuang, X. n.

2019; 8

- **Multiplexed imaging of high-density libraries of RNAs with MERFISH and expansion microscopy** *SCIENTIFIC REPORTS*
Wang, G., Moffitt, J. R., Zhuang, X.
2018; 8: 4847
- **High-throughput single-cell gene-expression profiling with multiplexed error-robust fluorescence in situ hybridization** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Moffitt, J. R., Hao, J., Wang, G., Chen, K., Babcock, H. P., Zhuang, X.
2016; 113 (39): 11046-51
- **Prevalent presence of periodic actin-spectrin-based membrane skeleton in a broad range of neuronal cell types and animal species** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
He, J., Zhou, R., Wu, Z., Carrasco, M. A., Kurshan, P. T., Farley, J. E., Simon, D. J., Wang, G., Han, B., Hao, J., Heller, E., Freeman, M. R., Shen, et al
2016; 113 (21): 6029-6034

PRESENTATIONS

- Image-based single-cell transcriptomics reveals intracellular transcriptome organization. - Gordon Research Conference, Post-Transcriptional Gene Regulation (2016)
- Subcellular quantification of RNAs in single cells by multiplexed error-robust fluorescence in situ hybridization (MERFISH). - FASEB The RNA Localization and Local Translation Conference (2019)
- Caspase-independent structural plasticity of the actin-spectrin-based membrane-associated periodic skeleton (MPS) underlies the initiation of sensory axon degeneration. - ASCB|EMBO meeting (2019)