

# Stanford

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## Guiping Wang

Postdoctoral Scholar, Dermatology

### Bio

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#### HONORS AND AWARDS

- Best Poster Award, Gordon Research Seminars, Post-Transcriptional Gene Regulation (2016)
- Early Career Award, FASEB Science Research Conference (2019)

#### PROFESSIONAL EDUCATION

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

#### STANFORD ADVISORS

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

#### PATENTS

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

### Research & Scholarship

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#### LAB AFFILIATIONS

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

### Publications

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#### PUBLICATIONS

- **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)