

Stanford

Shuai Wang

Postdoctoral Scholar, Molecular and Cellular Physiology

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Award for Outstanding Self-Financed Students Abroad, Ministry of Education of China (2019)
- MCHRI postdoctoral support, Stanford MCHRI (2022-2024)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, California Institute of Technology (2020)
- Bachelor of Science, Wuhan University (2011)

STANFORD ADVISORS

- Thomas Sudhof, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Alternative splicing of latrophilin-3 controls synapse formation.** *Nature*
Wang, S., DeLeon, C., Sun, W., Quake, S. R., Roth, B. L., Südhof, T. C.
2024
- **Ribosome profiling reveals multiple roles of SecA in cotranslational protein export.** *Nature communications*
Zhu, Z., Wang, S., Shan, S. O.
2022; 13 (1): 3393
- **The molecular mechanism of cotranslational membrane protein recognition and targeting by SecA** *NATURE STRUCTURAL & MOLECULAR BIOLOGY*
Wang, S., Jomaa, A., Jaskolowski, M., Yang, C., Ban, N., Shan, S.
2019; 26 (10): 919+
- **SecA mediates cotranslational targeting and translocation of an inner membrane protein** *JOURNAL OF CELL BIOLOGY*
Wang, S., Yang, C., Shan, S.
2017; 216 (11): 3639–53
- **CapZ regulates autophagosomal membrane shaping by promoting actin assembly inside the isolation membrane** *NATURE CELL BIOLOGY*
Mi, N., Chen, Y., Wang, S., Chen, M., Zhao, M., Yang, G., Ma, M., Su, Q., Luo, S., Shi, J., Xu, J., Guo, Q., Gao, et al
2015; 17 (9): 1112+
- **Regulation by a chaperone improves substrate selectivity during cotranslational protein targeting** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ariosa, A., Lee, J., Wang, S., Saraogi, I., Shan, S.
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- **Isolation and Molecular Identification of Auxotrophic Mutants to Develop a Genetic Manipulation System for the Haloarchaeon *Natrinema* sp J7-2** *ARCHAEA-AN INTERNATIONAL MICROBIOLOGICAL JOURNAL*
Lv, J., Wang, S., Wang, Y., Huang, Y., Chen, X.
2015; 2015: 483194
- **Construction of a shuttle expression vector with a promoter functioning in both halophilic Archaea and Bacteria** *FEMS MICROBIOLOGY LETTERS*
Lv, J., Wang, S., Zeng, C., Huang, Y., Chen, X.
2013; 349 (1): 9–15
- **Temperate membrane-containing halophilic archaeal virus SNJ1 has a circular dsDNA genome identical to that of plasmid pHH205** *VIROLOGY*
Zhang, Z., Liu, Y., Wang, S., Yang, D., Cheng, Y., Hu, J., Chen, J., Mei, Y., Shen, P., Bamford, D. H., Chen, X.
2012; 434 (2): 233–41