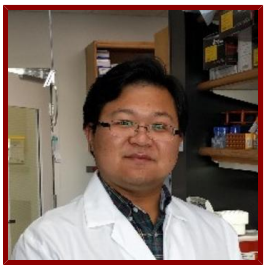
Stanford



Jianjin Shi

Basic Life Res Scientist, Biology

Bio

ACADEMIC APPOINTMENTS

- Basic Life Res Scientist, Biology

HONORS AND AWARDS

- Damon Runyon Postdoctoral Research Fellowship, Damon Runyon Cancer Research Foundation (January 1, 2017-December 31, 2020)
- Excellent doctoral dissertation of Tsinghua University, Tsinghua University (2016)
- Excellent graduate of Beijing municipality, Beijing municipality (2016)
- Ray Wu Prize for excellence in life science research, Ray Wu Memorial Fund (2015)
- The iBiology Young Scientist Seminars winner, www.ibiology.org (2015)
- First class scholarship of Tsinghua University, Tsinghua University (2015)
- Excellent graduate student scholarship of National Institute of Biological Sciences, Beijing (NIBS), National Institute of Biological Sciences, Beijing (NIBS) (2015)
- Excellent graduate student scholarship of National Institute of Biological Sciences, Beijing (NIBS), National Institute of Biological Sciences, Beijing (NIBS) (2014)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Society for Neuroscience (2016 - present)

Publications

PUBLICATIONS

- **Genetic functions of the NAIP family of inflammasome receptors for bacterial ligands in mice.** *journal of experimental medicine*
  Zhao, Y., Shi, J., Shi, X., Wang, Y., Wang, F., Shao, F.
  2016; 213 (5): 647-656

- **Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death** *NATURE*
  Shi, J., Zhao, Y., Wang, K., Shi, X., Wang, Y., Huang, H., Zhuang, Y., Cai, T., Wang, F., Shao, F.
  2015; 526 (7575): 660-665

- **Inflammatory caspases are innate immune receptors for intracellular LPS** *NATURE*
  Shi, J., Zhao, Y., Wang, Y., Gao, W., Ding, J., Li, P., Hu, L., Shao, F.
  2014; 514 (7521): 187-?

- **Caspase-3 cleaves and activates the NADase SARM1 to promote apoptosis, linking two cell death mechanisms.** *Proceedings of the National Academy of Sciences of the United States of America*
  Shi, J., Kim, Y. E., DeRuiter, N. J., Kadav, P., Tessier-Lavigne, M.

2026; 123 (4): e2528118123

- **The N-end rule ubiquitin ligase UBR2 mediates NLRP1B inflammasome activation by anthrax lethal toxin** *EMBO JOURNAL*
  Xu, H., Shi, J., Gao, H., Liu, Y., Yang, Z., Shao, F., Dong, N.
  2019; 38 (13): e101996
- **Pore-forming activity and structural autoinhibition of the gasdermin family** *NATURE*
  Ding, J., Wang, K., Liu, W., She, Y., Sun, Q., Shi, J., Sun, H., Wang, D., Shao, F.
  2016; 535 (7610): 111-?
- **An endogenous caspase-11 ligand elicits interleukin-1 release from living dendritic cells** *SCIENCE*
  Zanoni, I., Tan, Y., Di Gioia, M., Broggi, A., Ruan, J., Shi, J., Donado, C. A., Shao, F., Wu, H., Springstead, J. R., Kagan, J. C.
  2016; 352 (6290): 1232-1236
- **Human NAIP and mouse NAIP1 recognize bacterial type III secretion needle protein for inflammasome activation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Yang, J., Zhao, Y., Shi, J., Shao, F.
  2013; 110 (35): 14408-14413
- **The NLRC4 inflammasome receptors for bacterial flagellin and type III secretion apparatus** *NATURE*
  Zhao, Y., Yang, J., Shi, J., Gong, Y., Lu, Q., Xu, H., Liu, L., Shao, F.
  2011; 477 (7366): 596-U257