


## Pingping Cao

Postdoctoral Scholar, Microbiology and Immunology

 NIH Biosketch available Online

### Bio

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#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

#### STANFORD ADVISORS

- Jan Carette, Postdoctoral Faculty Sponsor

#### LINKS

- Google Scholar: <https://scholar.google.com/citations?hl=en&user=kcVFA9kAAAAJ>

### Research & Scholarship

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#### RESEARCH INTERESTS

- Brain and Learning Sciences

### Publications

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#### PUBLICATIONS

- **Review Structural advances in sterol-sensing domain-containing proteins** *TRENDS IN BIOCHEMICAL SCIENCES*  
Wu, X., Yan, R., Cao, P., Qian, H., Yan, N.  
2022; 47 (4): 289-300
- **Structural basis for sterol sensing by Scap and Insig** *CELL REPORTS*  
Yan, R., Cao, P., Song, W., Li, Y., Wang, T., Qian, H., Yan, C., Yan, N.  
2021; 35 (13): 109299
- **A structure of human Scap bound to Insig-2 suggests how their interaction is regulated by sterols** *SCIENCE*  
Yan, R., Cao, P., Song, W., Qian, H., Du, X., Coates, H. W., Zhao, X., Li, Y., Gao, S., Gong, X., Liu, X., Sui, J., Lei, et al  
2021; 371 (6533): 1012+
- **Inhibition of tetrameric Patched1 by Sonic Hedgehog through an asymmetric paradigm** *NATURE COMMUNICATIONS*  
Qian, H., Cao, P., Hu, M., Gao, S., Yan, N., Gong, X.  
2019; 10: 2320
- **Structural basis for the recognition of Sonic Hedgehog by human Patched1** *SCIENCE*  
Gong, X., Qian, H., Cao, P., Zhao, X., Zhou, Q., Lei, J., Yan, N.  
2018; 361 (6402)
- **Structure of the Human Lipid Exporter ABCA1** *CELL*  
Qian, H., Zhao, X., Cao, P., Lei, J., Yan, N., Gong, X.  
2017; 169 (7): 1228+

- **Structural Insights into the Niemann-Pick C1 (NPC1)-Mediated Cholesterol Transfer and Ebola Infection** *CELL*

Gong, X., Qian, H., Zhou, X., Wu, J., Wan, T., Cao, P., Huang, W., Zhao, X., Wang, X., Wang, P., Shi, Y., Gao, G. F., Zhou, et al  
2016; 165 (6): 1467-1478