

Stanford

Boxue Ma

Postdoctoral Scholar, Bioengineering

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Nankai University (2006)
- Doctor of Philosophy, Baylor College Of Medicine (2019)
- Ph.D, Baylor College of Medicine

STANFORD ADVISORS

- Wah Chiu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **The Chaperonin TRiC/CCT Associates with Prefoldin through a Conserved Electrostatic Interface Essential for Cellular Proteostasis** *CELL*
Gestaut, D., Roh, S., Ma, B., Pintilie, G., Joachimiak, L. A., Leitner, A., Walzthoeni, T., Aebersold, R., Chiu, W., Frydman, J.
2019; 177 (3): 751-+
- **Control of the structural landscape and neuronal proteotoxicity of mutant Huntingtin by domains flanking the polyQ tract** *ELIFE*
Shen, K., Calamini, B., Fauerbach, J. A., Ma, B., Shahmoradian, S. H., Lachapei, I. L., Chiu, W., Lo, D. C., Frydman, J.
2016; 5
- **TRiC's tricks inhibit huntingtin aggregation** *ELIFE*
Shahmoradian, S. H., Galaz-Montoya, J. G., Schmid, M. F., Cong, Y., Ma, B., Spiess, C., Frydman, J., Ludtke, S. J., Chiu, W.
2013; 2
- **The Molecular Architecture of the Eukaryotic Chaperonin TRiC/CCT** *STRUCTURE*
Leitner, A., Joachimiak, L. A., Bracher, A., Moenkemeyer, L., Walzthoeni, T., Chen, B., Pechmann, S., Holmes, S., Cong, Y., Ma, B., Ludtke, S., Chiu, W., Hartl, et al
2012; 20 (5): 814-825
- **Symmetry-free cryo-EM structures of the chaperonin TRiC along its ATPase-driven conformational cycle** *EMBO JOURNAL*
Cong, Y., Schroeder, G. F., Meyer, A. S., Jakana, J., Ma, B., Dougherty, M. T., Schmid, M. F., Reissmann, S., Levitt, M., Ludtke, S. L., Frydman, J., Chiu, W.
2012; 31 (3): 720-730
- **Cryo-EM Structure of a Group II Chaperonin in the Prehydrolysis ATP-Bound State Leading to Lid Closure** *STRUCTURE*
Zhang, J., Ma, B., DiMaio, F., Douglas, N. R., Joachimiak, L. A., Baker, D., Frydman, J., Levitt, M., Chiu, W.
2011; 19 (5): 633-639