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代表性论文

- (1) **Chongyuan Wang***, Maya M. Polovitskaya*, Bryce D. Delgado, Thomas J. Jentsch and Stephen Barstow Long. "Gating mechanism of the proton-activated chloride channel." *Science Advances* 8.5 (2022): eabm3942.
- (2) **Chongyuan Wang**, Agata Jacewicz, Bryce D. Delgado, Rozbeh Baradaran and Stephen B. Long. "Structures reveal gating of mitochondrial Ca²⁺ uniporter by MICU1-MICU2." *eLife*, 9 (2020): e59991.
- (3) **Chongyuan Wang***, Rozbeh Baradaran* and Stephen B. Long. "Structure and reconstitution of a MCU-EMRE mitochondrial Ca²⁺ uniporter complex." *Journal of Molecular Biology*, 432, no. 20 (2020): 5632-5648.
- (4) Rozbeh Baradaran*, **Chongyuan Wang***, Andrew F. Siliciano, and Stephen B. Long. "Cryo-EM structures of fungal and metazoan mitochondrial calcium uniporters." *Nature*, 559, no. 7715 (2018): 580-584. (* equal contribution) **F1000Prime recommended**
- (5) **Chongyuan Wang**, Yuwei Zhu, Hongyu Bao, Yiyang Jiang, Chao Xu, Jihui Wu, and Yunyu Shi. "A novel RNA-binding mode of the YTH domain reveals the mechanism for recognition of determinant of selective removal by Mmi1." *Nucleic Acids Research*, 44, no. 2 (2016): 969-982.
- (6) **Chongyuan Wang**, Yuwei Zhu, Tamar B. Caceres, Lei Liu, Junhui Peng, Junchen Wang, Jiajing Chen et al. "Structural determinants for the strict monomethylation activity by trypanosoma brucei protein arginine methyltransferase 7." *Structure*, 22, no. 5 (2014): 756-768.
- (7) **Chongyuan Wang***, Yuwei Zhu*, Jiajia Chen, Xu Li, Junhui Peng, Jiajing Chen, Yang Zou et al. "Crystal structure of arginine methyltransferase 6 from Trypanosoma brucei." *PLoS one*, 9, no. 2
- (8) Mengqi Lv, **Chongyuan Wang**, Fudong Li, Junhui Peng, Bin Wen, Qingguo Gong, Yunyu Shi, and Yajun Tang. "Structural insights into the recognition of phosphorylated FUNDC1 by LC3B in mitophagy." *Protein & cell*, 8, no. 1 (2017): 25-38.
- (9) Ning Jia, Charlie Mo, **Chongyuan Wang**, Edward T. Eng, Luciano A. Marraffini, and Dinshaw J. Patel. "Type III-A CRISPR-Cas Csm complexes: assembly, periodic RNA cleavage, DNase activity regulation, and autoimmunity." *Molecular cell*, 73, no. 2 (2019): 264-277.
- (10) Juncheng Wang, S. Catania, **Chongyuan Wang**, MJ. de la Cruz, Beiduo Rao, HD. Madhani & DJ. Patel. (2022). Structural insights into DNMT5-mediated ATP-dependent high-fidelity epigenome maintenance. *Molecular Cell*, 82(6), 1186-1198.