

# Stanford

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## Cheng-Guo Wu

Postdoctoral Scholar, Molecular and Cellular Physiology

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Wisconsin Madison (2020)
- Master of Science, National Taiwan University (2014)
- Ph.D., University of Wisconsin-Madison , Biophysics (2020)
- M.S., National Taiwan University , Biochemistry (2014)
- B.S., National Yang-Ming University , Biology (2012)

#### STANFORD ADVISORS

- Georgios Skiniotis, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Disease mutations and phosphorylation alter the allosteric pathways involved in autoinhibition of protein phosphatase 2A.** *The Journal of chemical physics* Konovalov, K. A., Wu, C. G., Qiu, Y., Balakrishnan, V. K., Parihar, P. S., O'Connor, M. S., Xing, Y., Huang, X. 2023; 158 (21)
- **Glucose dissociates DDX21 dimers to regulate mRNA splicing and tissue differentiation.** *Cell* Miao, W., Porter, D. F., Lopez-Pajares, V., Siprashvili, Z., Meyers, R. M., Bai, Y., Nguyen, D. T., Ko, L. A., Zar negar, B. J., Ferguson, I. D., Mills, M. M., Jilly-Rehak, C. E., Wu, et al 2023; 186 (1): 80
- **Coupling to short linear motifs creates versatile PME-1 activities in PP2A holoenzyme demethylation and inhibition** *ELIFE* Li, Y., Balakrishnan, V., Rowse, M., Wu, C., Bravos, A., Yadav, V. K., Ivarsson, Y., Strack, S., Novikova, I., Xing, Y. 2022; 11
- **Small-molecule inhibitors that disrupt the MTDH-SND1 complex suppress breast cancer progression and metastasis** *NATURE CANCER* Shen, M., Wei, Y., Kim, H., Wan, L., Jiang, Y., Hang, X., Raba, M., Remiszewski, S., Rowicki, M., Wu, C., Wu, S., Zhang, L., Lu, et al 2021
- **Roles of constitutive and signal-dependent protein phosphatase 2A docking motifs in burst attenuation of the cyclic AMP response element-binding protein** *JOURNAL OF BIOLOGICAL CHEMISTRY* Kim, S., Wu, C., Jia, W., Xing, Y., Tibbetts, R. S. 2021; 297 (1): 100908
- **Methylation-regulated decommissioning of multimeric PP2A complexes** *NATURE COMMUNICATIONS* Wu, C., Zheng, A., Jiang, L., Rowse, M., Stanevich, V., Chen, H., Li, Y., Satyshur, K. A., Johnson, B., Gu, T., Liu, Z., Xing, Y. 2017; 8: 2272
- **PP2A-B' holoenzyme substrate recognition, regulation and role in cytokinesis** *CELL DISCOVERY* Wu, C., Chen, H., Guo, F., Yadav, V. K., Mcilwain, S. J., Rowse, M., Choudhary, A., Lin, Z., Li, Y., Gu, T., Zheng, A., Xu, Q., Lee, et al 2017; 3: 17027

- **Structure of a Highly Active Cephalopod S-crystallin Mutant: New Molecular Evidence for Evolution from an Active Enzyme into Lens-Refractive Protein** *SCIENTIFIC REPORTS*

Tan, W., Cheng, S., Liu, Y., Wu, C., Lin, M., Chen, C., Lin, C., Chou, C.  
2016; 6: 31176

- **Mechanism for controlling the monomer-dimer conversion of SARS coronavirus main protease** *ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY*

Wu, C., Cheng, S., Chen, S., Li, J., Fang, Y., Chen, Y., Chou, C.  
2013; 69: 747-755