

Stanford

Cheng-Guo Wu

Postdoctoral Scholar, Molecular and Cellular Physiology

Bio

PROFESSIONAL EDUCATION

- 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

PUBLICATIONS

- **Disease mutations and phosphorylation alter the allosteric pathways involved in autoinhibition of protein phosphatase 2A.** *The Journal of chemical physics*
Kononov, K. A., Wu, C. G., Qiu, Y., Balakrishnan, V. K., Parihar, P. S., O'Connor, M. S., Xing, Y., Huang, X.
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- **Glucose dissociates DDX21 dimers to regulate mRNA splicing and tissue differentiation.** *Cell*
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- **Coupling to short linear motifs creates versatile PME-1 activities in PP2A holoenzyme demethylation and inhibition** *ELIFE*
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- **Small-molecule inhibitors that disrupt the MTDH-SND1 complex suppress breast cancer progression and metastasis** *NATURE CANCER*
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- **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.
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- **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.
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- **PP2A-B' holoenzyme substrate recognition, regulation and role in cytokinesis** *CELL DISCOVERY*
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- **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.

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- **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