

# Stanford

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## Yuchao Gu

Instructor, Stanford Cancer Institute

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Stanford Cancer Institute

### Publications

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#### PUBLICATIONS

- Targeting colorectal cancer with small-molecule inhibitors of ALDH1B1 *Nature Chemical Biology*

Feng, Z., Hom, M. E., Bearrood, T. E., Rosenthal, Z. C., Fernández, D., Ondrus, A. E., Gu, Y., McCormick, A. K., Tomaske, M. G., Marshall, C. R., Chen, C., Mochly-Rosen, D., Kuo, et al  
2022

- Oncogene Amplification in Growth Factor Signaling Pathways Renders Cancers Dependent on Membrane Lipid Remodeling. *Cell metabolism*

Bi, J., Ichu, T., Zanca, C., Yang, H., Zhang, W., Gu, Y., Chowdhry, S., Reed, A., Ikegami, S., Turner, K. M., Zhang, W., Villa, G. R., Wu, et al  
2019

- mTORC2 Regulates Amino Acid Metabolism in Cancer by Phosphorylation of the Cystine-Glutamate Antiporter xCT. *Molecular cell*

Gu, Y., Albuquerque, C. P., Braas, D., Zhang, W., Villa, G. R., Bi, J., Ikegami, S., Masui, K., Gini, B., Yang, H., Gahman, T. C., Shiao, A. K., Cloughesy, et al  
2017; 67 (1): 128-138.e7

- An LXR-Cholesterol Axis Creates a Metabolic Co-Dependency for Brain Cancers *CANCER CELL*

Villa, G. R., Hulce, J. J., Zanca, C., Bi, J., Ikegami, S., Cahill, G. L., Gu, Y., Lum, K. M., Masui, K., Yang, H., Rong, X., Hong, C., Turner, et al  
2016; 30 (5): 683-693

- Single-Cell Phosphoproteomics Resolves Adaptive Signaling Dynamics and Informs Targeted Combination Therapy in Glioblastoma *CANCER CELL*

Wei, W., Shin, Y. S., Xue, M., Matsutani, T., Masui, K., Yang, H., Ikegami, S., Gu, Y., Herrmann, K., Johnson, D., Ding, X., Hwang, K., Kim, et al  
2016; 29 (4): 563-573

- mTOR Complex 2 Controls Glycolytic Metabolism in Glioblastoma through FoxO Acetylation and Upregulation of c-Myc *CELL METABOLISM*

Masui, K., Tanaka, K., Akhavan, D., Babic, I., Gini, B., Matsutani, T., Iwanami, A., Liu, F., Villa, G. R., Gu, Y., Campos, C., Zhu, S., Yang, et al  
2013; 18 (5): 726-739

- EGFR mutation-induced alternative splicing of Max contributes to growth of glycolytic tumors in brain cancer. *Cell metabolism*

Babic, I., Anderson, E. S., Tanaka, K., Guo, D., Masui, K., Li, B., Zhu, S., Gu, Y., Villa, G. R., Akhavan, D., Nathanson, D., Gini, B., Mareninov, et al  
2013; 17 (6): 1000-1008