

## Yuchao Gu

Life Science Research Professional 4, SCI Faculty Support

### Publications

---

#### PUBLICATIONS

- **Digital telomere measurement by long-read sequencing distinguishes healthy aging from disease.** *Nature communications*  
Sanchez, S. E., Gu, Y., Wang, Y., Golla, A., Martin, A., Shomali, W., Hockemeyer, D., Savage, S. A., Artandi, S. E.  
2024; 15 (1): 5148
- **Digital telomere measurement by long-read sequencing distinguishes healthy aging from disease.** *bioRxiv : the preprint server for biology*  
Sanchez, S. E., Gu, J., Golla, A., Martin, A., Shomali, W., Hockemeyer, D., Savage, S. A., Artandi, S. E.  
2023
- **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
- **Targeting glioblastoma signaling and metabolism with a re-purposed brain-penetrant drug.** *Cell reports*  
Bi, J., Khan, A., Tang, J., Armando, A. M., Wu, S., Zhang, W., Gimple, R. C., Reed, A., Jing, H., Koga, T., Wong, I. T., Gu, Y., Miki, et al  
2021; 37 (5): 109957
- **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., Shiau, 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