

Charles Lang

Postdoctoral Scholar, Molecular and Cellular Physiology

Bio

STANFORD ADVISORS

- Lucy O'Brien, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Oligomerization of peripheral membrane proteins provides tunable control of cell surface polarity** *BIOPHYSICAL JOURNAL*
Lang, C. F., Munro, E. M.
2022; 121 (23): 4543-4559
- **A novel membrane complex is required for docking and regulated exocytosis of lysosome-related organelles in *Tetrahymena thermophila*.** *PLoS genetics*
Kuppanan, A., Jiang, Y. Y., Maier, W., Liu, C., Lang, C. F., Cheng, C. Y., Field, M. C., Zhao, M., Zoltner, M., Turkewitz, A. P.
2022; 18 (5): e1010194
- **The Dynamics of P Granule Liquid Droplets Are Regulated by the *Caenorhabditis elegans* Germline RNA Helicase GLH-1 via Its ATP Hydrolysis Cycle** *GENETICS*
Chen, W., Hu, Y., Lang, C. F., Brown, J. S., Schwabach, S., Song, X., Zhang, Y., Munro, E., Bennett, K., Zhang, D., Lee, H.
2020; 215 (2): 421-434
- **The PAR proteins: from molecular circuits to dynamic self-stabilizing cell polarity** *DEVELOPMENT*
Lang, C. F., Munro, E.
2017; 144 (19): 3405-3416
- **Mechanisms and Disease Associations of Haplotype-Dependent Allele-Specific DNA Methylation** *AMERICAN JOURNAL OF HUMAN GENETICS*
Do, C., Lang, C. F., Lin, J., Darbary, H., Krupska, I., Gaba, A., Petukhova, L., Vonsattel, J., Gallagher, M. P., Goland, R. S., Clynes, R. A., Dwork, A., Kral, et al
2016; 98 (5): 934-955
- **Trans effects of chromosome aneuploidies on DNA methylation patterns in human Down syndrome and mouse models** *GENOME BIOLOGY*
Mendioroz, M., Do, C., Jiang, X., Liu, C., Darbary, H. K., Lang, C. F., Lin, J., Thomas, A., Abu-Amero, S., Stanier, P., Temkin, A., Yale, A., Liu, et al
2015; 16: 263