

Ying Xie, Ph.D.

Department of Biology, New York University, New York, NY, 10016, United States

Email: yx2550@nyu.edu

Publication Lists (Google Scholar Citations: 326; h-Index: 10)

1. **Xie, Y.**, Shu, T., Liu, T., Spindler, M., Mahamid, J., Hockey, G. M., Gresham, D., & Holt, L. J. (2024). Polysome collapse and RNA condensation fluidize the cytoplasm. Molecular Cell. doi: 10.1016/j.molcel.2024.06.024 [IF₂₀₂₄ = 16]
2. Heidenreich, M., Mathur, S., Shu, T., **Xie, Y.**, Sriker, D., Dubreuil, B., Holt, L.J. and Levy, E.D., (2024). The phase separation landscape of genome-wide genetic perturbations. bioRxiv. doi: <https://doi.org/10.1101/2024.10.25.620319>
3. **Xie, Y.**; Gresham, D; Holt, LJ (2023). Increased mesoscale diffusivity in response to acute glucose starvation. MicroPublication Biology. doi: 10.17912/micropub.biology.000729
4. **Xie, Y. ***, Zhou, F. *, Ma, Q. *, Lu, L., Miao, Y., (2022) A teamwork promotion of formins-mediated actin nucleations by Bud6 and Aip5 in *Saccharomyces cerevisiae*. Molecular Biology of the Cell. doi: 10.1091/mbc.E21-06-0285 (* co-first author) [IF₂₀₂₄ = 3.3]
5. Shu, T. *, Szórádi, T. *, Kidiyoor, G. R., *, **Xie, Y.**, Herzog, N. L., Bazley, A., ... & Holt, L. J. (2021). nucGEMs probe the biophysical properties of the nucleoplasm. bioRxiv. doi: <https://doi.org/10.1101/2021.11.18.469159>
6. **Xie, Y.**, & Miao, Y. (2021). Polarisome assembly mediates actin remodeling during polarized yeast and fungal growth. Journal of Cell Science. doi: 10.1242/jcs.247916 [IF₂₀₂₄ = 4]
7. **Xie, Y. ***, Loh, Z. Y. *, Xue, J., Zhou, F., Sun, J., Qiao, Z., ... & Miao, Y. (2020). Orchestrated actin nucleation by the *Candida albicans* polarisome complex enables filamentous growth. Journal of Biological Chemistry. doi: 10.1074/jbc.RA120.013890 (*co-first author) [IF₂₀₂₄ = 4]
8. Low, Z. J. *, Xiong, J. *, **Xie, Y. ***, Ma, G. L., Saw, H., Tran, H. T., ... & Liang, Z. X. (2020). Discovery, biosynthesis and antifungal mechanism of the polyene-polyol meijiemycin. Chemical Communications. doi: 10.1039/c9cc08908j (*co-first author) [IF₂₀₂₄ = 4.3]
9. **Xie, Y. ***, Sun, J. *, Han, X., Turšić-Wunder, A., Toh, J.D., Hong, W., Gao, Y.G. and Miao, Y., (2019). Polarisome scaffold Spa2-mediated macromolecular condensation of Aip5 for actin polymerization. Nature Communications. doi: 10.1038/s41467-019-13125-1 (*co-first author) [IF₂₀₂₄ = 14.7]
10. **Xie, Y.**, Han, X., & Miao, Y. (2018). An effective recombinant protein expression and purification system in *Saccharomyces cerevisiae*. Current Protocols in Molecular Biology. doi: 10.1002/cpmb.62
11. Tan, J. J. D., Ma, Z., **Xie, Y.**, Yang, L., & Miao, Y. (2017). Quantitative analysis of actin filament assembly in yeast and plant by live cell fluorescence microscopy. Micron. doi: 10.1016/j.micron.2017.09.011
12. Miao, Y., Han, X., Zheng, L., **Xie, Y.**, Mu, Y., Yates III, J. R., & Drubin, D. G. (2016). Fimbrin phosphorylation by metaphase Cdk1 regulates actin cable dynamics in budding yeast. Nature Communications. doi:10.1038/ncomms11265 [IF₂₀₂₄ = 14.7]
13. Feng, T. Y., Yang, Z. K., Zheng, J. W., **Xie, Y.**, Li, D. W., Murugan, S. B., ... & Li, H. Y. (2015). Examination of metabolic responses to phosphorus limitation via proteomic analyses in the marine diatom *Phaeodactylum tricornutum*. Scientific reports. doi: 10.1038/srep10373 [IF₂₀₂₄ = 3.8]
14. Cai, H. *, **Xie, Y. ***, Hu, L., Fan, J., & Li, R. (2013). Prion protein (PrPc) interacts with histone H3 confirmed by affinity chromatography. Journal of Chromatography B. doi: 10.1016/j.jchromb.2013.04.003 (*co-first author)