

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
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**)
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**)
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**)
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
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
14. Cai, H. *, **Xie, Y.***, Hu, L., Fan, J., & Li, R. (2013). Prion protein (PrP^c) interacts with histone H3 confirmed by affinity chromatography. Journal of Chromatography B. doi: 10.1016/j.jchromb.2013.04.003 (***co-first author**)

FUNDINGS AND AWARDS

2015-2019	Postgraduate Research Scholarship, Nanyang Technological University, Singapore
2016	Travel Grant, The 14th International Congress on Yeast
2014	China National Scholarship, Chinese Ministry of Education
2013	China National Inspiration Scholarship, Chinese Ministry of Education
2013	Yihai Kerry Scholarship, Wilmar International
2012	Philip K.H. Wong Scholarship, Philip K.H. Wong Foundation

MENTORING

2021 – 2022	Tiewei Liu, Master research, New York University, United State Project: Develop light inducible synthetic condensates in mammalian cells Current position: Ph.D. candidate, Cornell University, United State
2021 – 2022	Yujia Ji, Master research, New York University, United State Project: Define transcriptomic changes in <i>Candida albicans</i> upon nutrient starvation Current position: Ph.D. candidate, Stony Brook University, United State
2016 – 2017	Jasmine Hong, Undergraduate research, Nanyang Technological University, Singapore Project: Identify the functional role of polarisome complex in regulating yeast mating

Curriculum vitae – Ying Xie

2016 – 2017 Joseph Tan, Undergraduate research, Nanyang Technological University, Singapore
Project: Study the interplay between stress induced chaperons and actin cable networks

PRESENTATIONS

Oral Presentations

Oct. 2024 Emerging Fungal Infections Symposium, Singapore
Oct. 2024 BPS Physical Cell Biology Subgroup Virtual Symposium 2024, United States
Jun. 2023 The 28th Annual Meeting of the RNA society, Singapore
Nov. 2022 Postdoc Seminar, NYU School of Medicine, United States
Mar. 2022 NYU Biology Postdoc Seminar, New York University, United States
Sep. 2021 IDP Seminars & IDPSIG 2021, United States
Jun. 2021 Nano Seminar, Institute for Systems Genetics, NYU School of Medicine, United States
Mar. 2019 SCBE PhD Symposium, Nanyang Technological University, Singapore
Oct. 2018 Graduate Student Seminar, Nanyang Technological University, Singapore

Poster Presentation

Oct. 2024 Cell Symposia: Functional RNAs, Beijing, China
Sep. 2024 Biomolecular Condensates: Mechanisms and Therapeutic Opportunities, Keystone, United States
Feb. 2024 Biophysical society annual meeting (BPS) 2024, United States
Dec. 2022 American Society for Cell Biology (ASCB) 2022, United States
Sep. 2022 The Translational Control, CSHL Meeting, United States
Jan. 2020 ICBE Asia 2020: 10th International conference on biomolecular engineering, Singapore
Apr. 2019 Keystone symposia on molecular and cellular biology, United States.
Nov. 2018 The Mechanobiology Institute's 10th Anniversary Conference, Singapore
Aug. 2018 Golden Research Conference, 2018 Plant and Microbial Cytoskeleton, United States
Dec. 2017 3rd International Symposium on Mechanobiology, Singapore
Sep. 2016 The 14th International Congress on Yeast, Japan

PROFESSIONAL SERVICE AND ACTIVITIES

Journal Reviews: assist as reviewers for journals including Cell (1) and Elife (1).

Society membership: The American Society for Cell Biology, RNA society, Biophysical society

REFEREES

Assoc Prof. **Liam Holt** – Postdoctoral Advisor (Institute for Systems Genetics, NYU School of Medicine, United State)
Email: Liam.Holt@nyulangone.org

Prof. **David Gresham** – Postdoctoral Advisor (Department of Biology, New York University, United State).
Email: dgresham@nyu.edu

Assoc Prof. **Yansong Miao** – Ph.D. Advisor (School of Biological Sciences, Nanyang Technological University, Singapore).
Email: yansongm@ntu.edu.sg