

## YANG XIN

### Academic qualifications:

2014-2018      B. S.      Biological Science, Dalian Ocean University, Dalian, China

2018-2021      M. S.      Biophysics, Shanghai University, Shanghai, China

### Previous academic position held:

2021-2022      Bioinformatics Engineer      Genergy Bio-Technology Ltd

### Present academic position:

2022-now      Research Assistant      School of Chinese Medicine, The Chinese University of Hong Kong, Hong Kong SAR, China

### Previous relevant research work:

Research Area    Nucleic acid aptamer drug development and artificial intelligence-assisted drug design

1. Machine learning model building for candidate target prediction for triple negative breast cancer
2. Construction of SELEX-based affinity prediction model for nucleic acid aptamers
3. Construction of a nucleic acid aptamer generation model by reinforcement learning
4. Deep learning models for identifying aptamer modification sites for affinity enhancement by Pre-SELEX

### Publication Records:

- [1] ZHU L, YANG X, ZHU R, et al. 2020. Identifying Discriminative Biological Function Features and Rules for Cancer-Related Long Non-coding RNAs[J]. *Front Genet*, 11: 598773
- [2] ZHU R, YANG X, GUO W, et al. 2019. An eight-mRNA signature predicts the prognosis of patients with bladder urothelial carcinoma[J]. *PeerJ*, 7: e7836.

[3] CHEN Y, ZHU R, CHEN M, YANG X, et al. 2020. Prognostic Value of a Three-DNA Methylation Biomarker in Patients with Soft Tissue Sarcoma[J]. J Oncol, 2020: 8106212.