

YU Sifan (Ph.D)

Academic qualifications:

- 2009-2013 B.S., Beijing Institute of Technology, China
2015-2017 M.A., Sun Yat-sen University, China
2017-2020 Ph.D., Sun Yat-sen University, China

Previous academic positions held:

- 2020-2021 Postdoctoral Research Fellow, School of Chinese Medicine, Hong Kong Baptist University, HK.
2021-2022 Postdoctoral Research Fellow, Institute for the Advancement of Chinese Medicine (Technology Talent Admission Scheme), HK

Present academic position:

- 2022-now Postdoctoral Research Fellow, School of Chinese Medicine, Faculty of Medicine, The Chinese University of Hong Kong, HK

Relevant research work:

1. Aptamer modification.
2. Discovery of small molecule inhibitors.

Publication records:

Five most representative publications in the recent five years

1. **Yu S**, Li D, Zhang N, Ni S, Sun M, Wang L, Xiao H, Liu D, Liu J, Yu Y, Zhang Z, Yeung STY, Zhang S, Lu A, Zhang Z, Zhang B, Zhang G, Drug discovery of sclerostin inhibitors, *Acta Pharmaceutica Sinica B* 2022, 12, 2150-2170. (Impact factor: 14.903)
2. **Yu, S.**, Chang, W., Hua, R., Jie, X., Zhang, M., Zhao, W., ... & Hu, W. (2022). An enantioselective four-component reaction via assembling two reaction intermediates. *Nat. Commun.*, 13, 1-10. (Impact factor: 17.694)
3. Hua, R. Y., **Yu, S. F. (co-first author)**, Jie, X. T., Qiu, H., & Hu, W. H. (2022). Multicomponent Assembly of Complex Oxindoles by Enantioselective Cooperative Catalysis. *Angew. Chem. Int. Ed.*, e202213407. (Impact factor: 16.823)
4. Zhang, Y., Zhang, H., Chan, D. W. H., Ma, Y., Lu, A., **Yu, S. (co-corresponding author)**, ... & Zhang, G. (2022). Strategies for developing long-lasting therapeutic nucleic acid aptamer targeting circulating protein: The present and the future. *Front. Cell Dev. Biol.*, 10, 2188. (Impact factor: 6.081)
5. **Yu, S.**, Qiu, H., Hu, W. et al. (2020). A gold(I)-catalysed Chemoselective Three-component Reaction of Phenols, α -Diazocarbonyl Compounds and Allenamides. *Chem. Commun.* 56, 1649-1652. (Impact factor: 6.065)

Granted Patent:

1. Qiu, L., **Yu, S.** A kind of Phosphine ligands of the structure containing benzofuran and its preparation method and application (**Patent number: CN106995461B**).
2. Hu, W., **Yu, S.**, Qiu, H., Liu, G. The synthesis of chiral sulfonamide derivatives and their application (**Patent number: CN109134402B**).

3. Hu, W., Yu, S., Qiu, H., Zhang, X. The synthesis of oxazolidone carboxylic ester derivatives and their application (**Patent number: CN110105299B**).
4. Hu, W., Yu, S., Qiu, H., Liu, G., Hua, R. The synthesis of chiral indoleone derivatives (**Patent number: CN113200905B**).