



Fengwen Huang

Postdoctoral Scholar, Ophthalmology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, City University Of Hong Kong (2023)

STANFORD ADVISORS

- Yang Hu, Postdoctoral Faculty Sponsor

LINKS

- My ORCID: <https://orcid.org/0000-0002-3188-6559>

Publications

PUBLICATIONS

- **The perforant pathway and CA3-Schaffer collateral afferents coordinate to regulate spatial learning.** *Communications biology*
Huang, F., Temitayo Bello, S., Lau, S. H., He, J.
2026
- **Role of Neuronal Cholecystokinin Receptor: An Emerging Therapeutic Target for Ameliorating Neurological Diseases.** *Molecular neurobiology*
Huang, F. W., Bello, S. T.
2025; 63 (1): 296
- **Neuropeptide cholecystokinin: a key neuromodulator for hippocampal functions.** *Neural regeneration research*
Huang, F., Bello, S. T.
2025; 20 (7): 1991-1992
- **Cholecystokinin facilitates the formation of long-term heterosynaptic plasticity in the distal subiculum.** *Communications biology*
Huang, F., Baset, A., Bello, S. T., Chen, X., He, J.
2025; 8 (1): 153
- **Excitatory cholecystokinin neurons in CA3 area regulate the navigation learning and neuroplasticity** *elife*
HAUNG, F., Baset, A., Temitayo Bello, .
2025
- **Protocol for induction of heterosynaptic long-term potentiation in the mouse hippocampus via dual-opsin stimulation technique.** *STAR protocols*
Huang, F., Bello, S. T., Baset, A., Chen, X., He, J.
2024; 5 (1): 102860
- **Entorhinohippocampal cholecystokinin modulates spatial learning by facilitating neuroplasticity of hippocampal CA3-CA1 synapses.** *Cell reports*

- Su, J., Huang, F., Tian, Y., Tian, R., Qianqian, G., Bello, S. T., Zeng, D., Jendrichovsky, P., Lau, C. G., Xiong, W., Yu, D., Tortorella, M., Chen, et al
2023; 42 (12): 113467
- **Cholecystokinin-expressing GABA neurons elicit long-term potentiation in the cortical inhibitory synapses and attenuate sound-shock associative memory.** *Scientific reports*
Zhang, G., Pang, K. K., Gao, Q., Chen, X., Huang, F., He, J.
2025; 15 (1): 31220
 - **Shedding light on subiculum's role in human brain disorders.** *Brain research bulletin*
Baset, A., Huang, F.
2024; 214: 110993
 - **Investigation of Bucillamine as anti-COVID-19 drug: DFT study, molecular docking, molecular dynamic simulation and ADMET analysis.** *Journal of biomolecular structure & dynamics*
Huang, F., Chen, C.
2024; 42 (1): 34-42
 - **Insights into the interaction between the kusaginin and bovine serum albumin: Multi-spectroscopic techniques and computational approaches.** *Journal of molecular recognition : JMR*
Huang, F., Chen, C.
2023; 36 (3): e3003
 - **Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes.** *Journal of inorganic biochemistry*
Hong, W. X., Huang, F., Huan, T., Xu, X., Han, Q., Wang, G., Xu, H., Duan, S., Duan, Y., Long, X., Liu, Y., Hu, Z.
2018; 180: 54-60
 - **Assessment of pollutions and identification of sources of heavy metals in sediments from west coast of Shenzhen, China.** *Environmental science and pollution research international*
Huang, F., Xu, Y., Tan, Z., Wu, Z., Xu, H., Shen, L., Xu, X., Han, Q., Guo, H., Hu, Z.
2018; 25 (4): 3647-3656
 - **Conformation change of trypsin induced by acteoside as studied using multiple spectroscopic and molecular docking methods** *INTERNATIONAL JOURNAL OF FOOD PROPERTIES*
Wu, Z., Huang, F., Chen, Y., Xu, H., Meti, M. D., Fan, Y., Han, Q. G., Tang, H., He, Z., Hu, Z.
2018; 21 (1): 316-327
 - **Study on interaction between curcumin and pepsin by spectroscopic and docking methods.** *International journal of biological macromolecules*
Ying, M., Huang, F., Ye, H., Xu, H., Shen, L., Huan, T., Huang, S., Xie, J., Tian, S., Hu, Z., He, Z., Lu, J., Zhou, et al
2015; 79: 201-8