

Education

- AUG 2024-
Now** | The Hong Kong University of Science and Technology (HKUST)
School of Science, Life Science Department
Doctoral of Philosophy in Life Science
- AUG 2022-
AUG 2024** | The Hong Kong University of Science and Technology (HKUST)
School of Science, Life Science Department
Master of Philosophy in Life Science
- AUG 2019-
AUG 2022** | The Hong Kong University of Science and Technology (HKUST)
School of Science, Life Science Department
Bachelor of Science in Biochemistry and Cell Biology
Graduated with CGA 3.566/4.000, MCGA 3.724/4.000 (BSc)
First Class Honors
- AUG 2017-
AUG 2019** | The Hong Kong Polytechnic University (PolyU)
Hong Kong Community College (HKCC)
Associate of Science
Graduated with GPA 3.93/4.00 (Distinction)

Publication

Takakura, M., Lam, Y. H., Nakagawa, R., Ng, M. Y., Hu, X., Bhargava, P., Alia, A. G., Gu, Y., Wang, Z., Ota, T., Kimura, Y., Morimoto, N., Osakada, F., Lee, A. Y., Leung, D., Miyashita, T., Du, J., Okuno, H., & Hirano, Y. (2023). Differential second messenger signaling via dopamine neurons bidirectionally regulates memory retention. *Proceedings of the National Academy of Sciences*, 120(36). <https://doi.org/10.1073/pnas.2304851120>

Research Experience

- AUG 2024-
Now** | **HKUST Research Postgraduate (PhD in LIFS) in HIRANO Lab**
Working in the field of neuroscience, especially regarding my new research interest “Synaptic mechanism synchronizing the

organismal activity peak the arousal state”.

*AUG 2022-
AUG 2024*

HKUST Research Postgraduate (MPhil in LIFS) in HIRANO Lab

Working in the field of neuroscience, especially regarding my new research interest “Conflicting memory between recent and past experience”.

*AUG 2021-
AUG 2022*

HKUST Undergraduate (Final Year Project) in HIRANO Lab

Working on the topic “molecular mechanism of memory encoding and erasing, from there I learned how to perform classical behavioral training, qPCR, IP, western blot, immunostaining, plasmid construction and contributed to the published paper.

Awards & Honors

*23-27th
JUL 2023*

Asia Pacific Drosophila Research Conference (APDRC6) Cairns Colonial Club, Cairns Queensland, Australia

Certificate of Attendance

Attended the 6th Asia Pacific Drosophila Research Conference to contribute 23.5 hours of professional development.

*AUG 2019-
AUG 2022*

The Hong Kong University of Science and Technology (HKUST) School of Science, Life Science Department

Dean’s List

(2019/20 Fall and Spring Semester, 2020/21 Fall Semester)

University’s Scholarship Scheme for Continuing

Undergraduate Students

(2020/21 Fall, Winter and Spring Semester)

*AUG 2017-
AUG 2019*

The Hong Kong Polytechnic University (PolyU) Hong Kong Community College (HKCC)

Dean’s List

(2017/18 Semester 1, 2018/19 Semester 1 and 2)

Conferences

23-27th
JUL 2023

Asia Pacific Drosophila Research Conference (APDRC6) Cairns
Colonial Club, Cairns Queensland, Australia
Oral and Poster Presentation Speaker

Other Activity

14th
OCT 2023

The Hong Kong University of Science and Technology (HKUST)
Lead Organizer

To organizer an event for the Life Science Busking during HKUST information day to let the general public especially the high school student to get familiar with HKUST and raise their curiosity to life science