

HO LUT HENG WAYNE | 何律恒

MPhil-PhD Candidate in Biomedical Sciences

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Education

THE CHINESE UNIVERSITY OF HONG KONG (CUHK)

SEP 2020 – CURRENT

- MPhil-PhD in Biomedical Sciences
- Cancer Biology – Glioblastoma
- cGPA: 3.808 / 4.00

THE CHINESE UNIVERSITY OF HONG KONG (CUHK)

SEP 2016 – AUG 2020

- BSc in Biomedical Sciences (Major) || French (Minor)
- cGPA: 3.394 / 4.00

Research Publications

Tumour-derived substrate-adherent cells promote neuroblastoma survival through secreted trophic factors

MAY 2021

Mol Oncol. 2021 May 1. doi: 10.1002/1878-0261.12969

The mitotic regulator RCC2 promotes glucose metabolism through BACH1-dependent transcriptional upregulation of hexokinase II in glioma

NOV 2022

Cancer Letters 2022 November 28. doi: 10.1016/j.canlet.2022.215914

Extra-curricular Activities

COMMITTEE MEMBER (PUBLICITY) | CUHK SBS POSTGRADUATE STUDENT ASSOCIATION (PSA) AUG 2023 – CURRENT

- Secured event funding by connecting with potential sponsors, resulting in successful research day events
- Promoted events to 400+ members, increasing attendance and engagement
- Hosted multiple postgraduate student association events as the Masters of Ceremonies, demonstrating strong organizational and communication skills in event management

COMMITTEE MEMBER | PATHFINDER - CAMBODIA VOLUNTEER SERVICE

AUG 2019 – DEC 2019

- Organized events and health education programs for rural Cambodian villages
- Taught healthcare knowledge for a children population of about 150+
- Revised and published health care materials for rural Cambodian villages

Research Skills

- Laboratory Skills:
 - **Molecular Biology:** qPCR, Lentiviral production, CRISPR-Cas9/Prime Editing, Western Blotting, Immunofluorescence staining, Site-directed Mutagenesis, Tissue Processing, Histological Assays
 - **Oncological Bioinformatics:** WGCNA, Transcriptome Analysis
 - **In vivo animal models:** Genetically Engineered Mouse Models (GEMMs) of glioma, Stereotaxic Surgery
 - **Ex vivo experimental skills:** Primary astrocyte cultures or primary microglial cultures from neonatal mice pups
 - **In silico proteomics:** Protein-protein docking, 3D protein model analysis
- Computer Software Skills :
 - SPSS, GraphPad Prism
 - R (Seurat, DESeq)
 - PyMol
 - AlphaFold2
- Languages: Cantonese (Native), English (Fluent), Putonghua (Fluent), French (Basic)