

Zikang WANG (*Jackson*)

Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University
11 Yuk Choi Road, Lee Shau Kee Building, Room Y727, Hung Hom, Kowloon, Hong Kong

Tel: +852 3400-8777 | Email: zikang.wang@connect.polyu.hk

Homepage: <https://zikangwang.wordpress.com/>

Last Updated: March 2024

EDUCATION

- 2024 – Present **THE HONG KONG POLYTECHNIC UNIVERSITY (POLYU)** HONG KONG
Ph.D. Student in Applied Biology and Chemical Technology
Minor, Structural Biology
Supervisor: Dr. LAU Chun-Yu
- 2021 – 2023 **UNIVERSITY OF MACAU (UM)** MACAU
M.Phil. in Chinese Medicinal Science with Highest Honors *Excellent*
Minor, Bio-Imaging
Cumulative GPA: 3.66/4.00
Supervisor: Prof. LEUNG Chung-Hang
Committee: Drs. Cheang Wai-San, Hoi Pui-Man, Chou Chon-Kit
- 2016 – 2020 **YUNNAN UNIVERSITY (YNU)** CHINA
B.S. in Biology (Gifted Class)
Cumulative GPA: 3.11/4.00
Supervisor: Prof. SUN Jianwei

PUBLICATIONS († Co-first author, * Corresponding author)

1. **Wang Zikang**, Wang Wanhe*, and Leung Chung-Hang*. (2024) [Strategies for Developing Cancer Theranostics Approaches](#). *Recent Pat Anti-canc*, 19 (2), 130–136.
Impact factor: 2.8 (Pharmacology & Pharmacy Ranking: 172/277, -Q3)
2. Li Guodong†, Ko Chung-Nga†, **Wang Zikang**, Chen Feng, Wang Wanhe*, Ma Dik-Lung* and Leung Chung-Hang*. (2023). [Interference reduction isothermal nucleic acid amplification strategy for COVID-19 variant detection](#). *Sens. Actuators B Chem*, 377, 133006.
Impact factor: 8.4 (Chemistry & Analytical Ranking: 5/86, -Q1)

IN-PROGRESS MANUSCRIPTS († Co-first author, * Corresponding author)

1. Li Guodong†, **Wang Zikang**†, Wang Wanhe* and Leung Chung-Hang*. BRD4 short isoform: an emerging hallmark of aggressive cancers. (2023) (Under review at *Medicinal Research Reviews*)
Impact factor: 13.3 (Chemistry & Medicinal Ranking: 1/60, -Q1)
2. Leung Chung-Hang*, Wang Wanhe*, **Wang Zikang**†, et al. Multi-color cell imaging of cereblon using immunomodulatory imide drug (IMiD) labeling iridium(III) complexes. (Under revision)
Impact factor: N/A

3. Zhang Yuqing[†], **Wang Zikang[†]**, Bian Ying*. The emerging role of a novel grading system to evaluate environmental information disclosure (EID) performance: empirical analysis of Chinese listed pharmaceutical companies. (2024) (Submitted to *Frontiers in Public Health* for consideration)
Impact factor: 5.2 (Public, Environmental & Occupational Health Ranking: 25/180, -Q1)

P.S. Manuscript is available upon reasonable request.

AWARDS & HONORS

2024 – 2028	The Hong Kong Polytechnic University Research Postgraduate Scholarship HKD \$ 896,000
2021 – 2023	Postgraduate Student Fellowship of University of Macau (Jointly funded by Science and Technology Development Fund, Macau) MOP \$ 100,000
2018	Outstanding Contribution Award 5 th China-South Asia Expo 25 th China Import and Export Fair, Yunnan, China
2018	Outstanding Student Leader Scholarship of Yunnan University CNY 1,000

WORKING / TRAINING EXPERIENCE

2023 Sep – 2023 Dec	THE HONG KONG POLYTECHNIC UNIVERSITY Research Assistant Mentor: Dr. LAU Chun-Yu ❖ Cryo-EM based structural determination	HONG KONG
2020 Jul – 2021 Apr	THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN Research Assistant ❖ Identification of estrogen-like compounds in Traditional Chinese Medicine ❖ Determine the molecular mechanism of Traditional Chinese Medicine toxicity	CHINA
2018 Jan – 2019 Jan	WUHAN INSTITUTE OF VIROLOGY CHINESE ACADEMY OF SCIENCES Volunteer Student Advisor: <u>Prof. CUI Zongqiang</u> ❖ Construction of viral-like particles (VLPs) for single-particle tracking <i>in cellulo</i>	CHINA

TEACHING EXPERIENCE

Undergraduate course(s):

Molecular Biology – Teaching Assistant (Yunnan University)

Metabolism and Diseases – Teaching Assistant (The Hong Kong Polytechnic University)

Microbiological Techniques – Teaching Assistant (The Hong Kong Polytechnic University)

Postgraduate course(s):

Pharmacology and Safety Evaluation – Student Helper (University of Macau)

Volunteer Teaching

2017 Jul – 2018 Jun	Wenbi Primary School	CHINA
2017 Jun – 2017 Jul	Shunxin (NGO)	CHINA
2016 Sep – 2017 Jun	Lixiang Primary School	CHINA

EXPERIMENTAL SKILLS

Benchwork:

Protein extraction and purification (*E. coli* system), General cell culture (e.g., LO2, MDA-MB-231), Time-resolved emission spectroscopy (TRES) detection, Confocal/immunofluorescence (IF) imaging *in cellulo*, Molecular cloning.

***In silico*:**

Molecular docking, Molecular dynamics simulation, Protein modeling.

COMMUNITY/PROFESSIONAL SERVICES

2024 Hong Kong – Jiangsu Symposium on Drug Discovery and Development

Student Helper (2024 May)

Career Development Centre, Student Affairs Office, University of Macau

Online (Alumni) Advisor (2024 Feb – Present)

Youth-Volunteer Association, Yunnan University

Chairman (2018 Jun – 2018 Oct)

Officier (2016 Sep – 2018 May)

- ❖ Coordinate the inauguration ceremony in Sep 2018
- ❖ Coordinate the recruitment of the association

Student Union of School of Life Sciences, Yunnan University

Officier (2016 Sep – 2017 May)

- ❖ Volunteer teaching in Yunnan Province

ACADEMIC REFEREES

Prof. LEUNG Chung-Hang, Ph.D.

Affiliation: Institute of Chinese Medical Sciences, University of Macau

Email: duncanleung@um.edu.mo

Relationship: M.Phil. Supervisor

Prof. SUN Jianwei, Ph.D.

Affiliation: School of Life Sciences, Yunnan University

Email: jwsun@ynu.edu.cn

Relationship: B.S. Supervisor

Prof. DANG Yunkun, Ph.D.

Affiliation: School of Life Sciences, Yunnan University

Email: ykdang@ynu.edu.cn

Relationship: B.S. Mentor

Prof. CUI Qinghua, Ph.D.

Affiliation: School of Life Sciences, Yunnan University

Email: cuiqinghua@ynu.edu.cn

Relationship: B.S. Mentor