

Ms. Xin-Jie Guan Successfully Defends Ph.D. Thesis on “Novel Mechanism of Chinese Medicine Compound Isorhamnetin for Parkinson’s Disease Treatment”

Prof. Min Li’s research postgraduate student, Ms. Xin-Jie Guan, from the Mr. & Mrs. Ko Chi Ming Centre for Parkinson's Disease (PD) Research in School of Chinese Medicine, successfully passed her Ph.D. thesis oral examination on July 28, 2025. Her dissertation identified a novel neuroprotective mechanism for the flavonoid Isorhamnetin (Isor) in the treatment of Parkinson’s disease, showing that Isor promotes autophagy by enhancing TFEB nuclear translocation. Ms. Guan also demonstrated Isor’s anti-PD in both *in vitro* and *in vivo* experimental models of PD. The research team is eager to further develop this compound as a clinically competitive therapeutic agent for PD patients.



Ms. Xin-Jie Guan and the oral examination board members.

(Left to right): Prof. Jun Xu, Assistant Professor, School of Chinese Medicine, Hong Kong Baptist University; Prof. Zhi-Ling Yu, Professor, School of Chinese Medicine, Hong Kong Baptist University; Prof. Jian-Gang Shen, Professor, School of Chinese Medicine, The University of Hong Kong; Prof. Min Li, Ms. Xin-Jie Guan’s principal supervisor, Chair Professor, Dean (School of Chinese Medicine), Ma Pak Leung Endowed Professor in Innovative Neuromedicine, School of Chinese Medicine, Hong Kong Baptist University; Ms. Xin-Jie Guan; Prof. Han-Ming Shen, Chair Professor, Associate Dean (Teaching), Faculty of Health Sciences, University of Macau; Prof. Quan-Bin Han, Professor, School of Chinese Medicine, Hong Kong Baptist University.