

Appendix

CUHK researchers and research projects funded by NSFC/RGC Joint Research Scheme (JRS) 2024/25 (in alphabetical order of family name)

Principal Investigator (School/Department)	Project Title	Category	Amount Awarded (HK\$)
Professor Li Cheng (School of Life Sciences)	Modulation of Endosperm Starch Composition to Improve Rice Quality Using SSIIa, SSIIIa and MS Superior Alleles	Life Science	1,223,482
Professor Li Hongsheng (Department of Electronic Engineering)	Intelligent Motion Planning of Drone Swarms with Multimodal Large language Models	Information Technology	1,214,438
Professor Li Lili (Department of Clinical Oncology)	Mechanistic Study of Nasopharyngeal Carcinoma-specific Intracellular Bacteria Mediating Host Epigenomic Reprogramming and Promoting Malignant Progression	Medicine	1,174,543
Professor Li Zheng (Department of Surgery)	Towards Shared-Autonomy: Collaborative Robotic Ultrasound Scanning with Safe and Anytime Intervention	Information Technology	1,214,786
Professor Liang Zizhen (School of Life Sciences)	Molecular Mechanisms underlying RabGDI-mediated Embryogenesis in Arabidopsis	Life Science	1,223,263
Professor Lu Xinhui (Department of Physics)	Investigating Intermolecular Mechanisms and Regulation Strategies for Non-radiative Charge Recombination in High-performance Organic Solar Cells	New Materials Science	1,161,120
Professor Kathy Lui Oi-lan (Department of Chemical Pathology)	RNA m ¹ A Modification Regulates the Crosstalk between Treg and Cardiomyocytes during Heart Regeneration and Repair	Medicine	1,223,482
Professor Lyu Hairong (Department of Chemistry)	Synthesis of Multifunctionalized Piperidines through Asymmetric Diborylation	Others	1,199,992
Professor Ronald Ma Ching-wan (Department of Medicine and Therapeutics)	The Impact of Early-life Exposure to Metabolic Abnormalities on Pubertal Development – from Epidemiological Analyses to Mechanisms	Medicine	1,223,482

Professor Ng Chi-fai (Department of Surgery)	Molecular Characterization of LKB1-AMPK in Cellular Plasticity and Therapy Resistance in Prostate Cancer	Medicine	1,223,482
Professor Martin Stolterfoht (Department of Electronic Engineering)	Overcoming the Stability Barrier for High-performance All-perovskite Tandem Solar Cells	New Materials Science	1,200,970
Professor Wong Hoi-ying (Department of Statistics)	Data-driven Cross Market Systemic Risk Analytics with Behavioral Considerations	Management Science	1,202,341
Professor Raymond Yeung Wai-ho (Department of Information Engineering)	Distributed Compression and Network Secure Computation for Functions	Information Technology	1,223,482
Professor Zhang Li (Department of Mechanical and Automation Engineering)	Shape-Morphing Microrobots Fabricated by Femtosecond Laser Multi-Focus Parallel Processing Technology for Tissue Penetration in the Digestive Tract	Others	1,210,445
Professor Zhao Hui (School of Biomedical Sciences)	Mechanistic Study of the Mitochondrial-nuclear Interaction during Embryonic Development and Reproductive Isolation	Life Science	1,214,791
Professor Zhong Silin (School of Life Sciences)	Comparing the Regulomes of C4 Maize and C3 Tobacco to Investigate the Evolution of C4 Photosynthesis	Life Science	1,223,482