

The list of CUHK-led projects awarded CRF grants is as follows:

**CRF 2023/24 Collaborative Research Project Grant (CRPG) Projects**

Project Coordinator (Department)	Project Title	Coordinating University/ Collaborating Universities	Duration (Months)	Amount Awarded (HK\$)
Professor Miao Qian (Chemistry)	Curved $\pi$ -Conjugated Systems: From Synthesis to Devices	CUHK/HKU	36	8,204,162
Professor Li Quan (Physics)	Spatially Resolved in Operando Temperature Sensing in Electrochemical Devices by Nanodiamond Quantum Sensors	CUHK/CityU	36	6,054,634
Professor Yu Jun (Medicine and Therapeutics)	Targeting m6A Modification to Boost Chemotherapy and Immunotherapy Efficacy in Colorectal Cancer	CUHK/HKUST, HKU	36	7,600,000
Professor Jiang Liwen (Life Sciences)	Molecular Mechanisms of Vacuole Biogenesis and Vacuole Fission in Plants	CUHK/PolyU, HKUST	36	9,500,000
Professor Li Zheng (Surgery)	Intelligent Surgical Robotic Assistant with Multimodal-AI Perception and Interaction	CUHK/PolyU	36	7,778,633
Professor Wang Dajun (Physics)	Investigating Long-range Many-body Physics with Ultracold Dipolar Gases in Optical Lattices	CUHK/HKUST, HKU	36	6,759,707

**CRF 2023/24 Collaborative Research Equipment Grant (CREG) Project**

Project Coordinator (Department)	Project Title	Coordinating University/ Collaborating Universities	Duration (Months)	Amount Awarded (HK\$)
Professor Stephen Tsui Kwok-wing (Biomedical Sciences)	A Long-read and High Throughput DNA Sequencing Platform for Studying Genomic Landscapes and Metagenomics Involvement in Human Diseases	CUHK/CityU, PolyU, HKUST, HKU	36	7,299,832

**CRF 2023/24 Young Collaborative Research Grant (YCRG) Projects**

Project Coordinator (Department)	Project Title	Coordinating University/ Collaborating Universities	Duration (Months)	Amount Awarded (HK\$)
Professor Feng Gangyi (Linguistics and Modern Languages)	A Predictive Personalization Approach to Enhance Foreign Language Learning and Teaching	CUHK/CityU, HKU, EdUHK	36	4,845,992
Professor So Hon-cheong (Biomedical Sciences)	Uncovering the Whole Spectrum of Genetic Variations Underlying Schizophrenia and its Prognosis: A Whole-genome Sequencing (WGS) Study and Prediction Modeling with Machine Learning Approaches	CUHK/HKU	36	4,673,639
Professor Tian Xiaoyu (Biomedical Sciences)	Intercepting the Mitochondrial-to-Nuclear Communication for Treatment of Vascular Inflammation and Atherosclerosis	CUHK/CityU, PolyU	36	3,661,367