

Appendix: CUHK researchers and research projects funded**NSFC/RGC Joint Research Scheme (JRS)** *(in alphabetical order of family name)*

Hong Kong Principal Investigator (Department)	Focus Area	Project Title	Amount Awarded by RGC (HK\$)
Professor Chen Yue (Department of Mechanical and Automation Engineering)	Management Science	Trustworthy “Computing-energy” Co-optimization for Low-carbon Operation and Management of Data Centers	\$1,200,425
Professor Huang Zhifeng (Department of Chemistry)	New Materials Science	Kinetic Resolution of Non-planar Polycyclic Arenes (NPAs) Directed by Inorganic Chiral Surfaces and Investigation on Chiral Properties of Homochiral Self-Assemblies of the Resolved NPAs	\$1,218,557
Professor Jin Bangti (Department of Mathematics)	Others	Novel Mathematical Theory and Numerical Algorithms for Coupled Physics Imaging	\$1,218,557
Professor Patrick Lee Pak-ching (Department of Computer Science and Engineering)	Information Technology	Research on Optimizing Blockchain Systems from the Storage Perspective	\$1,181,123
Professor Lu Yi-chun (Department of Mechanical and Automation Engineering)	New Materials Science	Developing high-voltage sodium-ion batteries and elucidating reaction/degradation mechanisms at the electrode-electrolyte interfaces	\$1,197,969
Professor Teng Xiangbin (Department of Psychology)	Life Science	Exploring the Roots of Musicality: Neural Comparisons of Rhythm Tracking in Humans and Marmosets Through Developmental and Comparative Lenses	\$1,217,364
Professor Xu Qiang (Department of Computer Science and Engineering)	Information Technology	Circuit Learning-Driven Hybrid SAT/SMT Solving for EDA Applications	\$1,193,913
Professor Yang Yijian	Management	Development and evaluation of an intelligent fall	\$899,843

(Department of Sports Science and Physical Education)	Science	intervention package for old community dwellers	
Professor Yuan Yixuan (Department of Electronic Engineering)	Information Technology	Development of the Key Technologies for Neurosurgery Navigation with Mobile Dual-energy Cone-beam Computed Tomography	\$1,169,815
Professor Zhai Shixian (Department of Earth and Environmental Sciences)	Marine and Environmental Science	Asian atmospheric bioavailable iron: sources, atmospheric processing, deposition and implications for carbon uptake over the North Pacific Ocean	\$1,172,155
Professor Zhang Lin (Department of Anaesthesia and Intensive Care)	Medicine	Deciphering host-bacteria interaction to unravel the aetiology of Helicobacter pylori persistent infection and immune evasion	\$1,218,546

NSFC/RGC Collaborative Research Scheme (CRS)

Hong Kong Project Coordinator (Department)	Focus Area	Project Title	Amount Awarded by RGC (HK\$)
Professor Mao Chuanbin (Department of Biomedical Engineering)	New Materials Science	Hepatocellular Carcinoma Theranostics Enabled by Tumor-Targeting ncRNA-Encoded-Micropeptide-Binding Phages	\$3,133,200