

Appendix

CUHK researchers and research projects funded

NSFC/RGC Joint Research Scheme

Principal Investigator (Faculty/Department)	Project title	Funding Period (months)	Amount Awarded by RGC (HK\$)
Professor Alfred Cheng Sze-lok (School of Biomedical Sciences)	Mechanistic Basis and Therapeutic Targeting of Pathologic Phase Separation and Aberrant Genome Architecture for Cancer Immunotherapy	48	1,212,431
Professor Peter Cheung Pak-hang (Department of Chemical Pathology)	Investigation on the Molecular Mechanisms by Which RNA Viruses Control Replication Accuracy with Application to Antiviral Drug Sensitivity Assessment through a Tightly Integrative Approach	48	1,213,615
Professor Chow Ka-ming (The Nethersole School of Nursing)	Empirical Research of a Multimodal Decision Aid to Support Shared Decision-making among Women Newly Diagnosed with Breast Cancer	48	1,233,750
Professor Dou Qi (Department of Computer Science and Engineering)	In Vivo Navigation and Control of Robotic Bronchoscopy for Lung Nodule Biopsy in Dynamic Environments	48	1,225,657
Professor Hannah Hui Xiaoyan (School of Biomedical Sciences)	MHC Class II+ Adipocyte in Control of White Adipose Tissue Browning	48	1,233,750
Professor Kwong Fuk-yeek (Department of Chemistry)	The Development of Palladium Catalyst Systems for Catalytic Construction of Quaternary Carbon/Silicon-Stereogenic Centers	48	1,233,750
Professor Sun Xiankai (Department of Electronic Engineering)	Three-dimensional Photonic Topological Insulators Operating at Telecom Wavelengths	48	1,230,671
Professor To Ka-fai (Department of Anatomical and Cellular Pathology)	Neural Cell-Secreted HTRA1 Protease Promotes Gastric Tumorigenesis via Regulatory of Hippo Pathway in Epithelial Cells	48	1,233,750
Professor Wang Dan (School of Biomedical Sciences)	The Development of Tendon Extracellular Matrix-Enriched, Amino Acid Polymer Hydrogel for Functional Tendon Regeneration	48	1,226,644
Professor Zhou Renjie (Department of Biomedical Engineering)	Development of Multi-scale Multimodal Intelligent Three-dimensional Light Microscopy System for Whole-brain Imaging	48	1,203,311

	and Analysis		
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[NSFC/RGC Collaborative Research Scheme](#)

Principal Investigator (Faculty/Department)	Project title	Funding Period (months)	Amount Awarded by RGC (HK\$)
Professor Jiang Liwen (School of Life Sciences)	Cellular and Molecular Mechanisms Underlying Deubiquitinating Enzyme AMSHs in Regulating Autophagosome and MVB Formation in Arabidopsis	48	3,600,000
Professor Sham Mai-har (School of Biomedical Sciences)	Molecular Mechanisms Underlying Specification and Differentiation of Posterior Cranial Placodes	48	3,600,000

Photos will be added upon receipt.