

Attachment

Funded research projects are listed below:

Research Impact Fund 2021/22

Project Coordinator (Faculty/Department)	Project Title	Funding Period (months)	Budget to be funded by RGC (HK\$)
Prof Li ZHANG (Mechanical and Automation Engineering)	A Microrobotic Platform with Swarming Magnetic Microgels for Endovascular Embolisation	60	6,750,000
Prof Amy Sau-ching HA (Sports Science and Physical Education)	Physical Activity Routines, Education, Assessment, Literacy, and Information Technology Application in Young Children (PA REALITY): A social cognitive theory- based movement education programme for preschool students	36	4,610,000
Prof Jun YU (Medicine and Therapeutics)	Developing Probiotics into High-efficacy and Safe Prophylactics and Adjuvant Therapies for Colorectal Cancer	60	9,790,000

EU-HK Research and Innovation Cooperation Co-funding Mechanism by the RGC 2020/21

Principal Investigator (Faculty/Department)	Project Title	Funding Period (months)	RGC Project Grant (HK\$)
Prof Li ZHANG (Mechanical and Automation Engineering)	Multifunctional Hydrogel-based Magnetic Heteroswarm for Liver Chemoembolisation	22	1,817,190

National Natural Science Foundation of China (NSFC)/RGC Joint Research Scheme 2021/22

Principal Investigator (Faculty/Department)	Project Title	Funding Period (months)	Amount Awarded by RGC (HK\$)
Prof Jerome Ho-lam HUI (Life Sciences)	Invasive Species in Greater Bay Area: Population Genomics of a Freshwater Snail (Biomphalaria Straminea) and Risk Assessment of Imported Schistosomiasis Transmission	48	1,185,561
Prof Ling QIN (Orthopaedics and Traumatology)	Differential Roles of CGRP in Osteoarthriti Pain and Pathology	48	1,185,561
Prof Vincent Chi-kwan CHEUNG (School of Biomedical	Decoding Diverse Motor Intentions from Macro and Micro Features of High-Density Electromyographic Signals for Naturalistic	48	1,185,561

Sciences)	Control of Neural Prostheses		
Prof Lin LIU (Earth System Science Programme)	Thermokarst Landforms on the Qinghai-Tibet Plateau: Spatio-temporal Evolution and Future Changes	48	1,169,912
Prof Dongyan XU (Mechanical and Automation Engineering)	Synergistic Coupling of Thermogalvanic and Thermodiffusion Effects and System Optimisation of Liquid Thermocells for Low-Grade Heat Harvesting		1,171,334
Prof Hon-ki TSANG (Electronic Engineering)	Hybrid Integration of Layered Group Ten Transition Metal Dichalcogenides on Planar Waveguides for Long Wavelength Optical Communications		1,171,334

[ANR/RGC Joint Research Scheme 2021/22](#)

Principal Investigator (Faculty/Department)	Project Title	Funding Period (months)	RGC Project Grant (HK\$)
Prof Jianfang WANG (Physics)	Electrically-Excited Chiral Plasmonic NanoCavities	48	2,545,445

[Germany/Hong Kong Joint Research Scheme 2021/22](#)

Principal Investigator (Faculty/Department)	Project Title	Funding Period (months)	Amount Awarded by RGC (HK\$)
Prof Normann WITZLEB (Law)	Strengthening Data Accountability in the Platform Economy - Towards Greater International Convergence of Privacy Protections for Children?	12	44,800
Prof Margaret IP (Microbiology)	Identification of New Antibiotic Resistance Mechanisms Using Deep Learning	24	85,800