

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

RGC GRF/ECS 2018-19

List of Awarded Projects

	Funding Scheme	Principal Investigator	Department/School	Project Title	Grant Total Awarded (HK\$)
1.	GRF	Dr Z Xia	Department of Anaesthesiology	Deletion of Telomere-Rap1 increases the susceptibility to myocardial ischemia/reperfusion injury via p53-PGC1 α signaling during aging	868,463
2.	GRF	Dr W Dai	Department of Clinical Oncology	Genomic and Functional Study by Targeting MST1R and Its Related Chromosome 3p21.3 Region Associated with Genetic Susceptibility in Nasopharyngeal Carcinoma	956,853
3.	GRF	Dr VHF Lee	Department of Clinical Oncology	Tumour Heterogeneity and Clonal Evolution in Nasopharyngeal Carcinoma	600,000
4.	GRF	Dr V Vardhanabhuti	Department of Diagnostic Radiology	Magnetic Resonance Fingerprinting for the assessment of clinically significant prostate cancer	825,027
5.	GRF	Dr CKH Wong	Department of Family Med and Primary Care	Elicitation of health state utilities for paediatric populations from the general public	968,347
6.	GRF	Dr PHM Chan	Department of Medicine	Screening Of Pulmonary Hypertension in systemic lupus Erythematosus: SOPHIE study	673,110
7.	GRF	Professor SCW Tang	Department of Medicine	Role of renal tubular Wnt/ β -catenin in modulating renal inflammation	971,990
8.	GRF	Professor EWC Tse	Department of Medicine	Targeting BCL6 in diffuse large B-cell lymphoma with arsenic trioxide	652,788
9.	GRF	Professor A Xu	Department of Medicine	Roles of FGF21 signaling pathways in conferring the beneficial effects of physical exercise on cardiac metabolism and function in diabetic hearts	1,233,576

10.	GRF	Professor H Chen	Department of Microbiology	Functional characterization of Epstein-Barr virus long non-coding RNAs (lnc-BARTs) in nasopharyngeal carcinoma	972,000
11.	GRF	Professor Z Chen	Department of Microbiology	Role of Δ 42PD-1 in Human Dendritic Cells during HIV-1 Infection	971,983
12.	GRF	Professor PCY Woo	Department of Microbiology	Mechanistic study on the pathogenesis of <i>Talaromyces marneffeii</i> - conidial interaction with human bronchial epithelial cells	971,811
13.	GRF	Dr VYL Leung	Department of Orthopaedics and Traumatology	Degraded biglycan products as fibrosis regulator in the pathomechanism of joint degeneration	867,507
14.	GRF	Dr P Ip	Department of Paediatrics and Adolescent Med	Impact of early exposure to electronic devices on long term cognitive and psychosocial development of Chinese children: a 7-year cohort study	480,272
15.	GRF	Dr CCL Wong	Department of Pathology	Molecular regulations and mechanistic functions of hypoxia-induced macropinocytosis in hepatocellular carcinoma.	972,000
16.	GRF	Dr JWP Yam	Department of Pathology	Suppression of fatty acid oxidation by caveolin-1 contributes to hepatocellular carcinoma progression	925,020
17.	GRF	Dr RLC Hoo	Department of Pharmacology and Pharmacy	Neutrophil serine proteases as the endogenous suppressors of white adipose tissue browning and adaptive thermogenesis	775,656
18.	GRF	Dr JKW Lam	Department of Pharmacology and Pharmacy	High-performance inhaled powder formulation of RNAi therapeutics by co-spray drying of RNA with human serum albumin	224,577
19.	GRF	Dr Y Wang	Department of Pharmacology and Pharmacy	Endothelial SIRT1 - a key circadian regulator controlling the 24-hour rhythmicity in blood pressure and energy metabolism	1,486,164
20.	GRF	Dr WHC Woo	Department of Pharmacology and Pharmacy	TLR5 controls adaptive thermogenesis by posttranscriptional regulation of UCP1	742,233
21.	GRF	Dr MCM Chan	Department of Psychiatry	Childhood adversity and psychobiological trajectories: Examining social, cognitive, bio-behavioral, and immune pathways in a prospective cohort study of youth	838,200

22.	GRF	Dr CLM Hui	Department of Psychiatry	Effectiveness of Mindfulness Intervention in Prevention of Relapse in Psychosis	971,392
23.	GRF	Dr HME Lee	Department of Psychiatry	Effect of transcranial direct current stimulation in improving negative symptoms in patients with schizophrenia	863,895
24.	GRF	Dr KSH Chok	Department of Surgery	A Randomized Controlled Trial on the use of Cerebral Oximetry In Adult Chinese Patients Undergoing Liver Transplantation	600,000
25.	GRF	Dr ESW Ngan	Department of Surgery	Genetic study on the novel roles of vinculin in enteric and cardiac neural crest cell development and the associated congenital diseases	972,000
26.	GRF	Professor PKH Tam	Department of Surgery	The biliary atresia genome: a pilot study to model disease from whole genome sequencing data	761,400
27.	GRF	Dr RKY Tsang	Department of Surgery	Pre-treatment and In-treatment Swallowing Therapy To Reduce Swallowing Dysfunction In Nasopharyngeal Carcinoma Patients Treated With Radiotherapy	1,121,020
28.	GRF	Dr CLT Wong	Department of Surgery	Extending the limit for adult-to-adult living donor liver transplantation: lowering graft-to-recipient weight ratio to 0.6% in MELD \leq 30 recipient	831,027
29.	GRF	Professor D Chan	School of Biomedical Sciences	Molecular basis of Asporin as a genetic risk factor for intervertebral disc degeneration	704,862
30.	GRF	Dr WTL Cheung	School of Biomedical Sciences	Elucidation of a novel p85 β -AXL regulatory loop and associated signaling in ovarian cancer	970,593
31.	GRF	Professor Q Hao	School of Biomedical Sciences	Structural and functional studies of the YEATS domain of GAS41	868,956
32.	GRF	Dr MSY Huen	School of Biomedical Sciences	A Study of MIRK in DNA Damage Response Control	952,560
33.	GRF	Dr R Jauch	School of Biomedical Sciences	Decoding the molecular basis for the enhanced activity of artificially evolved reprogramming transcription factors	971,486
34.	GRF	Dr KO Lai	School of Biomedical Sciences	Investigating the dual function of the epilepsy-related gene tbc1d24 in regulating excitatory and inhibitory synapses of neuron	965,095

35.	GRF	Dr CW Lee	School of Biomedical Sciences	The function of ECM-induced assembly of podosome-like structures in the formation and remodeling of AChR clusters at neuromuscular synapses	861,077
36.	GRF	Dr C Qian	School of Biomedical Sciences	Structural and mechanistic insights into Timeless in DNA damage response	868,956
37.	GRF	Professor MH Sham	School of Biomedical Sciences	The roles of Sox10 and Ephs/ephrins in controlling cell-cell interactions during mouse enteric nervous system development	985,708
38.	GRF	Dr JA Tanner	School of Biomedical Sciences	Nucleic Acid Aptamer Decorated Peptide Amphiphile Nanofibers for Regenerative Medicine Applications	971,860
39.	GRF	Professor GSW Tsao	School of Biomedical Sciences	Pathogenicity of EBV isolated from nasopharyngeal carcinoma	972,000
40.	GRF	Dr SL Wong	School of Biomedical Sciences	Characterization of new therapeutic combinations for ovarian cancer	1,141,302
41.	GRF	Dr B Yan	School of Biomedical Sciences	A bioinformatics framework to identify cooperation of transcription factors in regulating cancer progression	971,190
42.	GRF	Dr C Yu	School of Biomedical Sciences	Investigating the role of dynamin2-mediated integrin endocytosis in cancer cell migration and invadosome signaling	869,332
43.	ECS	Dr PH Choi	School of Nursing	The safe use of dating applications (apps) among men who have sex with men: developing and testing an interactive web-based intervention to reduce risky sexual behaviours	877,176
44.	GRF	Dr MP Wang	School of Nursing	Personalized support using instant messaging applications to increase smoking cessation in smokers proactively recruited from smoking hotspots in Hong Kong: a pragmatic randomized controlled trial	581,565
45.	GRF	Dr SA Doak	School of Public Health	The protective role of antibody effector functions for influenza in mice and humans	970,969

46.	GRF	Dr SM Fong	School of Public Health	Tai Chi-muscle power training for primary school children with developmental coordination disorder: A randomized controlled trial	600,000
47.	GRF	Dr PY Hui	School of Public Health	The role of PDGFR in influenza A virus infection and the therapeutic potential of its inhibitor in severe human influenza diseases	868,391
48.	GRF	Dr DKM Ip	School of Public Health	Immunomodulatory effect of macrolides in naturally occurring influenza virus infections in the community	1,151,308
49.	GRF	Dr CF Lee	School of Public Health	Transmission of scarlet fever in children and identification of determinants of transmissibility	843,033
50.	GRF	Dr MY Lee	School of Public Health	Defining the role of TLR10 in differential cellular perturbations	943,377
51.	GRF	Dr MY Ni	School of Public Health	Psychiatric sequelae of a major protest and sociopolitical conflicts: a longitudinal study	657,088
52.	ECS	Dr J Quan	School of Public Health	Avoiding the cost of diabetes	781,275
53.	GRF	Dr MFP Siu	School of Public Health	Effectiveness of long-term low-frequency high-intensity interval training (HIIT) to improve body adiposity and liver fat in adults with central obesity: A randomized controlled trial	1,148,736
54.	GRF	Dr WLT Wong	School of Public Health	Examining conscious motor processing and the effect of single-task, dual-task and analogy training on walking during rehabilitation by older adults at risk of falling in Hong Kong: A randomized controlled trial.	618,232
Total Number of Successful Projects:					54
Total Amount of Grants Awarded:					HK\$47,214,438