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Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05161376	Study on the effects of exogenous Dragon proteins on acute kidney injury	Prof XIA Yin	The Chinese University of Hong Kong	1,116,776.00	2016	2017-18
05161386	Early growth genetics and cardiometabolic risk in Chinese adolescents	Dr Claudia TAM Ha-ting	The Chinese University of Hong Kong	1,200,000.00	2016	2017-18
05161506	Remote ischaemic preconditioning in paediatric cancer patients receiving anthracycline therapy	Prof CHEUNG Yiu-fai	The University of Hong Kong	1,164,020.00	2016	2017-18
05161626	Three-dimensional printing of patient-specific titanium plates in jaw surgery: A pilot study	Dr SU Yuxiong	The University of Hong Kong	548,038.00	2016	2017-18
05161746	Hippo pathway mediates the beneficial effect of metformin against diabetic vascular dysfunction and insulin resistance	Prof HUANG Yu	The Chinese University of Hong Kong	1,200,000.00	2016	2017-18
05161756	A study of the role and therapeutic potential of targeting protein tyrosine kinase 7 (PTK7) in liver cancer	Dr Stephanie MA Kwai-yee	The University of Hong Kong	1,125,048.00	2016	2017-18
05161786	Pathological significances and therapeutic potential of targeting FACT complex in liver cancer	Dr WONG Chun-ming	The University of Hong Kong	1,130,048.00	2016	2017-18
05161816	The anti-tumor effects of M1 macrophage-loaded poly(ethylene) glycol and gelatin-based hydrogels on hepatocellular carcinoma	Dr Oscar YEUNG Wai-ho	The University of Hong Kong	100,000.00	2016	2017-18
05161826	Role of cardiac STAT5A in repeated non-invasive limb ischemic preconditioning-induced cardioprotection in diabetes and its interplay with STAT3	Dr XIA Zhengyuan	The University of Hong Kong	1,179,448.00	2016	2017-18
05161846	The effect of feeding methods on intestinal microbiota of healthy Chinese infants	Dr Kris LOK Yuet-wan	The University of Hong Kong	1,089,052.00	2016	2017-18
05161856	Therapeutic effects of brain-penetrable kinase inhibitors to prevent accumulation of pathogenic alpha-synuclein oligomers in Parkinson's disease	Dr Philip HO Wing-lok	The University of Hong Kong	1,175,760.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05161866	Validation of preclinical molecular diagnosed hypertrophic cardiomyopathy (HCM) using patient specific human induced pluripotent stem cell (hiPSC) platform-new perspectives in personalized drug-screening	Dr LEE Yee-ki	The University of Hong Kong	1,197,944.00	2016	2017-18
05161936	Patient-specific isogenic iPSCs-derived cardiomyocytes as a clinically relevant platform for the identification of therapeutic targets for Rett syndrome	Dr NG Kwong-man	The University of Hong Kong	954,024.00	2016	2017-18
05162056	Effectiveness of Schroth scoliosis-specific exercises during bracing in adolescent idiopathic scoliosis: a randomised controlled trial	Dr Kenny KWAN Yat-hong	The University of Hong Kong	868,164.00	2016	2017-18
05162176	Targeting human papillomavirus (HPV) negative cervical cancer	Dr Oscar WONG Gee-wan	The University of Hong Kong	1,199,384.00	2016	2017-18
05162186	Peripheral immunological response to treatment with checkpoint inhibitor in recurrent/metastatic nasopharyngeal carcinoma and correlation with clinical response and adverse effects	Prof Dora KWONG Lai-wan	The University of Hong Kong	1,125,384.00	2016	2017-18
05162206	Harnessing tyrosine kinase inhibitor resistance of EGFR-mutated lung adenocarcinomas through candidate resistant genes screening	Dr Maria WONG Pik	The University of Hong Kong	1,200,000.00	2016	2017-18
05162236	Treatment of Alzheimer's disease by a disease-modifying small molecule with multiple cellular actions	Prof KE Ya	The Chinese University of Hong Kong	1,199,920.00	2016	2017-18
05162256	Inhibition of reactive oxygen species upregulation of caveolin-1 by propofol contributes to the suppression of hepatocellular growth and aggressiveness	Dr MAO Xiaowen	The University of Hong Kong	970,856.00	2016	2017-18
05162286	The clinical safety and efficacy of Zoledronic acid for treatment of chronic low back pain due to Modic changes: a parallel, double-blinded, randomized controlled trial	Dr Graham SHEA Ka-hon	The University of Hong Kong	1,195,092.00	2016	2017-18
05162326	Augmenting antitumor T responses of viral cancer therapy by targeting myeloid-derived suppressor cells with an armed recombinant vaccinia virus	Dr TAN Zhiwu	The University of Hong Kong	1,185,048.00	2016	2017-18
05162386	Development of molecular probes for surface markers on LMP1-positive nasopharyngeal cancer cells using aptamers selected by cell-SELEX	Dr TSANG Chi-man	The University of Hong Kong	1,197,384.00	2016	2017-18



**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05162396	Functional genetic study to unravel the genetic background of choledochal cysts	Prof Paul TAM Kwong-hang	The University of Hong Kong	1,183,768.00	2016	2017-18
05162436	Deciphering the role of homocysteine dysregulation in the pathogenesis of abdominal aortic aneurysm and the potential remedy	Dr Crystal CHAN Yin-tung	The University of Hong Kong	100,000.00	2016	2017-18
05162446	The effect of virtual reality phacoemulsification cataract extraction simulation surgery training on patient safety and outcomes: a randomised controlled trial (VRPhaco Sim Study)	Dr Danny NG Siu-chun	The Chinese University of Hong Kong	1,199,376.00	2016	2017-18
05162456	Prospective study on cryosurgery for treatment of early breast cancers	Dr Michael CO	The University of Hong Kong	1,175,672.00	2016	2017-18
05162536	Functions of LTBP2 in regulating nasopharyngeal carcinoma chemosensitivity	Dr Jimmy CHAN Yu-wai	The University of Hong Kong	1,199,118.00	2016	2017-18
05162556	Small molecule-based reprogramming of gingival mesenchymal stem cells into the neural lineage for therapeutic applications	Prof ZHANG Chengfei	The University of Hong Kong	1,195,048.00	2016	2017-18
05162606	Gut-derived flagellin ameliorates diet-induced dyslipidemia by upregulating apolipoprotein-A1	Dr Connie WOO Wai-hong	The University of Hong Kong	1,052,696.00	2016	2017-18
05162736	Cardiac magnetic resonance assessment of heart failure with preserved ejection fraction	Dr NG Ming-yen	The University of Hong Kong	1,193,724.00	2016	2017-18
05162786	Angiopoietin-2 : A novel genetic biomarker for diabetic macular edema	Prof Márten Eril BRELÉN	The Chinese University of Hong Kong	926,840.00	2016	2017-18
05162796	AKAP11 as a positive regulator of osteogenesis	Dr CHEUNG Ching-lung	The University of Hong Kong	1,198,862.00	2016	2017-18
05162836	To determine the role of vascular changes in optic nerve head, retina, and choroid, in the pathogenesis of glaucoma	Prof Clement THAM Chee-yung	The Chinese University of Hong Kong	1,198,078.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05162876	Gut microbiota across early stages of synucleinopathy: from high-risk relatives, REM sleep behavior disorder to early Parkinson's disease	Prof WING Yun-kwok	The Chinese University of Hong Kong	1,190,664.00	2016	2017-18
05162906	Effect of GLP-1 receptor agonist exenatide on endothelial dysfunction associated with hyperhomocysteinemia in type 2 diabetes	Dr TIAN Xiaoyu	The Chinese University of Hong Kong	947,616.00	2016	2017-18
05162916	Using non-invasive arterial spin-labeled perfusion MRI technique to quantitatively evaluate enhanced cerebral perfusion following external counterpulsation for ischemic stroke patients with large artery occlusive disease	Prof XIONG Li	The Chinese University of Hong Kong	100,000.00	2016	2017-18
05162926	Investigating the B cell signatures for disease flare and response to pre-emptive immunosuppressive therapy in patients with lupus nephritis	Dr Desmond YAP Yat-hin	The University of Hong Kong	1,199,136.00	2016	2017-18
05162936	Investigating the effect of Intracellular Sigma Protein in the treatment of amyotrophic lateral sclerosis and multiple sclerosis	Dr SUN Haitao	The University of Hong Kong	949,600.00	2016	2017-18
05162986	Evaluating the analytical validity and clinical utility of whole-genome sequencing for cytogenetically balanced chromosomal abnormalities in prenatal diagnosis	Dr Brian CHUNG Hon-yin	The University of Hong Kong	100,000.00	2016	2017-18
05163116	UHRF1 in KLF4 ubiquitination and skin dysplasia	Prof ZHOU Zhongjun	The University of Hong Kong	1,189,680.00	2016	2017-18
05163156	Cell-based therapy for congenital myelin disorders of the central nervous system	Dr TSUI Yat-ping	The University of Hong Kong	1,199,776.00	2016	2017-18
05163166	AXL receptor tyrosine kinase as a biomarker for sorafenib response and target for personalized therapy in patients with hepatocellular carcinoma	Dr TONG Man	The University of Hong Kong	1,199,048.00	2016	2017-18
05163176	Identification of Sox2 otic enhancers and their utility for restoring hearing and vestibular function	Prof Kathryn CHEAH Song-eng	The University of Hong Kong	1,200,000.00	2016	2017-18
05163206	The role of hypoxia inducible gene function in deformity progression in Adolescent Idiopathic Scoliosis	Prof Kenneth CHEUNG Man-chee	The University of Hong Kong	1,061,660.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

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05163296	Overcoming hurdles in bridging critical nerve gaps to improve post-traumatic nerve regeneration and rehabilitation	Prof CHAN Ying-shing	The University of Hong Kong	1,199,620.00	2016	2017-18
05163426	Lactate produced in adipose tissue as a culprit of obesity-related metabolic complications: mechanisms and clinical implications	Dr HUI Xiaoyan	The University of Hong Kong	1,155,760.00	2016	2017-18
05163446	Pathophysiological study of synaptic vesicle protein synaptogyrin3 (SYNGR3) in Parkinson's disease	Dr Colin LAM Siu-chi	The University of Hong Kong	1,195,760.00	2016	2017-18
05163456	The role of methylation-mediated silencing of HOTTIP in mantle cell lymphoma	Prof James CHIM Chor-sang	The University of Hong Kong	980,048.00	2016	2017-18
05163486	Maternal antibody to influenza neuraminidase and the impact on protecting against influenza in the newborn	Dr Ranawaka A.P.M PERERA	The University of Hong Kong	880,765.00	2016	2017-18
05163506	Targeting neutrophil serine proteases for treatment of vascular inflammation and atherosclerosis	Prof XU Aimin	The University of Hong Kong	1,193,424.00	2016	2017-18
05163526	Beneficial effects of lutein in maternal diabetes-related retinopathy of prematurity using the diabetic Ins2Akita mouse model	Dr Amy LO Cheuk-yin	The University of Hong Kong	1,197,580.00	2016	2017-18
05163536	Targeting miR-199a-3p to overcome chemoresistance in ovarian cancer	Prof Alice WONG Sze-tsai	The University of Hong Kong	1,030,304.00	2016	2017-18
05163556	EBV infection in gingival epithelium	Dr TSANG Yiu-cheung	The University of Hong Kong	100,000.00	2016	2017-18
05163566	Pathological roles of Bromodomain and Extra-Terminal (BET) proteins and their therapeutic implications in liver cancer	Dr Felice TSANG Hoching	The University of Hong Kong	1,198,048.00	2016	2017-18
05163596	Protease-activated receptor-1 (PAR-1)-targeted therapy: potential for preventing renal fibrosis	Prof Sydney TANG Chi-wai	The University of Hong Kong	1,041,848.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

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05163736	Myelin abnormalities as the earliest symptoms of dementia – harmonizing neuroimaging and cell biology	Prof Karl HERRUP	The Hong Kong University of Science and Technology	1,199,748.00	2016	2017-18
05163756	Factors driving a response in functional dyspepsia subjects treated with Rifaximin: Effect on upper gastrointestinal gas production, pH, transit time, mucosal histopathology	Dr Victoria TAN	The University of Hong Kong	1,006,315.00	2016	2017-18
05163786	Identification and characterization of C11ORF86, a novel CREBH target gene implicated in hypertriglyceridemia	Dr CHENG Yun	The University of Hong Kong	1,084,048.00	2016	2017-18
15160221	A randomized controlled trial of the effect of peer support psychoeducation programme on quality of life of Chinese clients suffering from first-episode non-affective psychosis	Dr Catherine CHONG Shiu-yin	Kwai Chung Hospital	98,577.00	2016	2017-18
15160531	EGFR mutation-guided first-line target therapies of advanced non-small-cell lung cancer (NSCLC) – A health economic analysis	Prof Joyce YOU Hoi-sze	The Chinese University of Hong Kong	360,512.00	2016	2017-18
15160551	Risk of hepatocellular carcinoma in patients with chronic hepatitis B achieved complete viral suppression – role of on-treatment hepatitis B surface/core-related antigen (HBsAg/HBcrAg) levels	Prof Grace WONG Lai-hung	The Chinese University of Hong Kong	1,111,302.00	2016	2017-18
15160631	An integrated e-health and motivational interviewing intervention promoting expression of organ donation wish to family members among those with such intent: a randomized controlled trial	Dr Nelson YEUNG Chun-yiu	The Chinese University of Hong Kong	1,191,214.00	2016	2017-18
15160691	Investigating the prognostic significance and therapeutic value of RAPTOR-ness for Head and Neck Cancer (HNC)	Prof Vivian LUI Wai-yan	The Chinese University of Hong Kong	1,199,056.00	2016	2017-18
15160891	Development and validation of Chinese diabetes outcome model to project complications and mortality in type 2 diabetes using data from the Hong Kong diabetes registry	Prof Andrea LUK On-yan	The Chinese University of Hong Kong	270,285.00	2016	2017-18
15160951	A randomized controlled trial of home-monitored 'gut-directed' versus 'general' Hatha yoga for adults with constipation-predominant irritable bowel syndrome	Prof Arthur MAK Dun-ping	The Chinese University of Hong Kong	1,086,391.00	2016	2017-18
15160971	A multicentre randomised double-blind, placebo-controlled trial of Chinese medicine and/or progesterone in women with threatened miscarriage - a trial centre in Hong Kong	Prof Ronald WANG Chi-chiu	The Chinese University of Hong Kong	1,095,000.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
15161051	Effectiveness of a peer-led pain management program in relieving chronic pain and enhancing pain self-efficacy among older adults: clustered randomized controlled trial	Dr Mimi TSE Mun-ye	The Hong Kong Polytechnic University	1,044,390.00	2016	2017-18
15161091	An Evaluation of the Effectiveness of a Professional-supported Problem-solving-based Self-learning Program for Family Carers of People with Recent-onset Psychosis: A Randomized Controlled Trial	Prof CHIEN Wai-tong	The Hong Kong Polytechnic University	697,060.00	2016	2017-18
15161101	Using mobile-based technology to support expectant parents: A randomized controlled trial on the effectiveness of the iParent App for postnatal depression (PND)	Prof Edward CHAN Ko-ling	The Hong Kong Polytechnic University	799,264.00	2016	2017-18
15161181	Self-administered acupressure for insomnia disorder: a randomized controlled trial	Dr YEUNG Wing-fai	The Hong Kong Polytechnic University	836,360.00	2016	2017-18
15161201	Investigating the effects of electroacupuncture on postoperative cognitive dysfunction: a preclinical study	Dr HO Yuen-shan	The Hong Kong Polytechnic University	1,198,000.00	2016	2017-18
15161231	A randomized controlled trial evaluating two e-health interventions (presence/absence of motivational interviewing) in increasing colorectal cancer screening among people aged 50-60 with moderate risk	Prof Joseph LAU Tak-fai	The Chinese University of Hong Kong	1,198,022.00	2016	2017-18
15161391	Elucidation of anti-hypertension mechanism by a novel Lactobacillus rhamnosus strain in the DOCA-salt hypertensive rats: from the point of view of alteration of gut microbiome	Dr CHIOU Jia-chi	The Hong Kong Polytechnic University	1,063,000.00	2016	2017-18
15161401	Preclinical evaluation of the novel anti-inflammatory therapeutic agent PWH17 and its combinatory effect with 5-aminosalicylate in the treatment of inflammatory bowel disease	Dr William TAI Chi-shing	The Hong Kong Polytechnic University	1,194,800.00	2016	2017-18
15161441	Magnesium implant combined with CFTR enhancer for treatment of age-related bone fracture	Dr RUAN Yechun	The Hong Kong Polytechnic University	1,199,380.00	2016	2017-18
15161541	Determination of No-Observed-Adverse-Effect-Level of Fuzi for its clinical safe and effective use	Prof Joan ZUO Zhong	The Chinese University of Hong Kong	1,199,316.00	2016	2017-18
15161641	Return to work and work productivity in breast cancer: a longitudinal study	Dr Wendy LAM Wing-tak	The University of Hong Kong	1,104,800.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
15161691	Evaluation of the impact of a Patient Decision Aid (PDA) developed for Chinese primary open angle glaucoma patients	Dr Jennifer SHUM Wei-huen	The University of Hong Kong	702,384.00	2016	2017-18
15161701	Bone-targeted delivery of Icaritin as a therapy for osteoporosis through regulating osteoblastic bone formation mediated by BMPR2/Smad1 signaling	Prof WAN Chao	The Chinese University of Hong Kong	1,200,000.00	2016	2017-18
15161731	Transcriptomic profiling of the gene networks reveals the roles of BDNF and RragA in the anti-depressive and analgesic activities of Chinese medicine Puerarin	Dr ZHAO Jia	The University of Hong Kong	100,000.00	2016	2017-18
15161781	Cost-effectiveness of anti-EGFR antibodies as first-line treatment in RAS wild type (WT) metastatic colorectal cancer (mCRC) in Hong Kong	Dr CHIANG Chi-leung	The University of Hong Kong	99,627.00	2016	2017-18
15161881	The use of a new biomarker, HE4, in combination with simple ultrasound rules in the prediction of malignancy in a pelvic mass detected on ultrasound	Dr Karen CHAN Kar-loen	The University of Hong Kong	818,344.00	2016	2017-18
15161911	Amelioration of cigarette smoke-induced mucus hypersecretion by Dendrobium officinale polysaccharides – relevant to chronic obstructive pulmonary disease	Dr Judith MAK Choi-wo	The University of Hong Kong	1,141,824.00	2016	2017-18
15162131	Feasibility and preliminary efficacy of Ai Chi aquatic exercise training in Hong Kong's older adults with risk of falling	Dr Thomson WONG Wai-lung	The University of Hong Kong	436,724.00	2016	2017-18
15162161	Characterising the hazards of cardiac arrhythmias and adverse clinical outcomes accompanying hypoglycaemic nadir in frail elderly diabetics on insulin: a prospective, longitudinal, observational, follow-up study	Dr Erik George FUNG Yee-mun	The Chinese University of Hong Kong	1,197,580.00	2016	2017-18
15162211	The use of endometrial surface proteins for human endometrial receptivity prediction	Dr Calvin LEE Kai-fai	The University of Hong Kong	1,013,716.00	2016	2017-18
15162231	Paradoxical vasoconstrictor effect of thymoquinone, a natural product known to induce vasodilatation and used in humans	Dr Susan LEUNG Wai-sum	The University of Hong Kong	1,172,600.00	2016	2017-18
15162291	Visual Stress (VS)-related cortical excitability in schizophrenia: a potential biomarker for clozapine response	Prof Eric CHEN Yu-hai	The University of Hong Kong	1,190,640.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
15162451	Effectiveness of Psychosocial Interventions for Dementia: A Network Meta-analysis	Prof Kelvin TSOI Kam-fai	The Chinese University of Hong Kong	305,880.00	2016	2017-18
15162491	Modelling chemotherapy-induced neutropenia and other hematologic toxicities in elderly patients	Dr Herbert PANG Hei-man	The University of Hong Kong	494,042.00	2016	2017-18
15162611	Incident breast cancer burden attributable to modifiable risk factors: evaluating current evidence and projecting the future trends in Hong Kong	Dr Irene WONG Oi-ling	The University of Hong Kong	677,875.00	2016	2017-18
15162641	Electroacupuncture combined with fast-track perioperative program for reducing duration of postoperative ileus and hospital stay after laparoscopic colorectal surgery: a randomized controlled trial	Prof Simon NG Siu-man	The Chinese University of Hong Kong	582,300.00	2016	2017-18
15162691	A combined cessation intervention with brief advice, nicotine replacement therapy sampling and active referral (BANSAR) for smoking fathers: a multicenter, single-blinded, pragmatic randomised controlled trial	Dr WANG Man-ping	The University of Hong Kong	999,870.00	2016	2017-18
15162751	The effectiveness of an orthogeriatric multidisciplinary care model in improving clinical outcomes and cost-effectiveness for fragility hip fractures	Prof Frankie LEUNG Ka-li	The University of Hong Kong	585,048.00	2016	2017-18
15162961	Investigation on the effect of berberine on improvement of diabetic retinopathy in insulin-treated diabetic mellitus	Dr WANG Ning	The University of Hong Kong	821,448.00	2016	2017-18
15162991	The effectiveness and cost-effectiveness of a virtual multidisciplinary stroke care clinic for community-dwelling stroke survivors and caregivers: a randomised controlled trial	Prof Janita CHAU Pak-chun	The Chinese University of Hong Kong	1,199,928.00	2016	2017-18
15163001	Effectiveness of WhatsApp online group discussion for smoking relapse prevention: a pragmatic randomized controlled trial	Dr Derek CHEUNG Yee-tak	The University of Hong Kong	967,620.00	2016	2017-18
15163011	Psychometric Evaluation of the Chinese Version of the Resilience Scale for Children	Dr Joyce CHUNG Oi-kwan	The University of Hong Kong	100,000.00	2016	2017-18
15163051	Investigating the effects of Lycium barbarum (wolfberry) on cognitive functions, neuropathology and neuroinflammation in experimental models of Parkinson's disease dementia	Dr Raymond CHANG Chuen-chung	The University of Hong Kong	1,200,000.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
15163071	Advancing adolescent bedtime by using motivational interviewing and text reminders - a randomized controlled trial	Ms CHAN Ngan-yin	The Chinese University of Hong Kong	895,568.00	2016	2017-18
15163081	Territory-wide evaluation of treatment outcomes of non-metastatic nasopharyngeal carcinoma treated with radical intensity-modulated radiation therapy in Hong Kong	Dr Victor LEE	The University of Hong Kong	1,194,778.00	2016	2017-18
15163151	Prediction of mortality in a cohort of older adults in Hong Kong	Dr June LEUNG Yue-yan	The University of Hong Kong	381,592.00	2016	2017-18
15163331	Electro-acupuncture combined auricular acupressure for central obesity: a single blinded randomized sham-controlled clinical trial	Dr ZHONG Lidan	Hong Kong Baptist University	581,048.00	2016	2017-18
15163421	Correcting presenilin-1 mutation-mediated autophagy deficit in familial Alzheimer's disease by Chinese medicine tetrandrine	Dr CHEUNG King-ho	Hong Kong Baptist University	1,175,304.00	2016	2017-18
15163441	Regulation of microRNA biogenesis by BRAF-MEK targeted therapy: molecular mechanisms and role in drug resistance	Prof YU Zhiling	Hong Kong Baptist University	898,600.00	2016	2017-18
15163481	Investigation of anti-alzheimer's activity of protopine derivative for clearing Tau through modulation of HDAC6-Hsp90 interplay and for improving memory via stimulation of RAS-GRF1/ERK pathway	Prof LI Min	Hong Kong Baptist University	1,159,200.00	2016	2017-18
17160022	Dissecting the molecular mechanism of AnVM-mediated signal transduction during Pseudomonas aeruginosa infection	Dr DENG Xin	City University of Hong Kong	1,189,000.00	2016	2017-18
17160152	Development and evaluation of novel synthetic bacterial ribosomal RNA transcription inhibitors as antimicrobials against methicillin-resistant Staphylococcus aureus (MRSA)	Dr YANG Xiao	The Chinese University of Hong Kong	1,180,400.00	2016	2017-18
17160212	Dissecting human and animal Streptococcus agalactiae (Group B streptococcus) and its resistance determinants through territory-wide sampling	Prof Margaret IP	The Chinese University of Hong Kong	600,000.00	2016	2017-18
17160302	A longitudinal study of carriage prevalence of antimicrobial resistance in general population in Hong Kong	Dr KWOK Kin-on	The Chinese University of Hong Kong	1,199,675.00	2016	2017-18



**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17160402	Development of a novel dentotropic antimicrobial peptide to prevent dental caries	Dr MEI Lei	The University of Hong Kong	708,384.00	2016	2017-18
17160562	Dissecting the roles of PE-PPE subsets in ESX-5 duplicated regions in Mycobacterium tuberculosis	Prof Shannon AU Wing-ngor	The Chinese University of Hong Kong	1,180,816.00	2016	2017-18
17160652	Modulation of type-I interferon signaling by non-structural proteins of Zika virus	Dr KOK Kin-hang	The University of Hong Kong	1,200,000.00	2016	2017-18
17160712	Effects on induction of viral lytic cycle in Epstein-Barr virus-associated epithelial malignancies by combining histone deacetylase inhibitor and a novel organic compound	Dr HUI Kwai-fung	The University of Hong Kong	1,195,048.00	2016	2017-18
17160762	Immune control of SHIV infection in rhesus macaques by PD-1 based vaccine	Dr WONG Yik-chun	The University of Hong Kong	1,199,548.00	2016	2017-18
17160792	Investigation on a pinanamine derivative as an antiviral agent against influenza A virus infection	Dr MOK Ka-pun	The University of Hong Kong	996,376.00	2016	2017-18
17160822	Suppression of type I and type II interferon production and signalling by Epstein-Barr virus BGLF2 protein	Prof JIN Dong-yan	The University of Hong Kong	1,200,000.00	2016	2017-18
17160832	IL-17-producing $\gamma\delta$ T cell response and its regulation during influenza virus infection	Dr WANG Xiaohui	The University of Hong Kong	1,200,000.00	2016	2017-18
17160862	Functional investigation of a novel oncogenic bacterium Peptostreptococcus anaerobius in colorectal carcinogenesis	Prof YU Jun	The Chinese University of Hong Kong	1,196,904.00	2016	2017-18
17160882	Genetic reassortment between H9N2 and H7N9 avian influenza viruses: implication on genetic compatibility and transmission	Dr SU Wen	The University of Hong Kong	1,038,508.00	2016	2017-18
17160952	To investigate the role of AMP-activated protein kinase in the regulation of EBV latent and lytic infection in nasopharyngeal carcinoma	Dr JIA Lin	The University of Hong Kong	1,177,548.00	2016	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17160962	Evaluation of the seroepidemiology of hepatitis A and B in the general population for informing the development of new hepatitis vaccination strategies in Hong Kong	Dr POON Chin-man	The Chinese University of Hong Kong	1,196,480.00	2016	2017-18
17161022	Regulation of the intracellular life cycle of Influenza A virus by targeting the cellular E3 ubiquitin-protein ligase MGRN1	Dr ZHANG Jingshu	The University of Hong Kong	1,179,424.00	2016	2017-18
17161032	Host lipid metabolism as potential target for Zika antiviral therapy	Prof BRUZZONE Roberto	The University of Hong Kong	1,184,712.00	2016	2017-18
17161162	Influenza ADCC-antibody responses in vaccination and infection of children as a correlate of protection	Dr Sophie VALKENBURG (DOAK)	The University of Hong Kong	1,187,554.00	2016	2017-18
17161202	A chemical-proteomics based approach for target discovery in Zika virus infection	Dr Sumana SANYAL	The University of Hong Kong	1,199,424.00	2016	2017-18
17161272	Establishing functional human lung organoids to recapitulate and study viral growth and virus-host interaction of avian influenza A viruses	Dr ZHOU Jie	The University of Hong Kong	1,200,000.00	2016	2017-18
17161332	Identification of nasopharyngeal microbiota predictive of recurrent wheeze in Chinese toddlers with bronchiolitis	Prof LEUNG Ting-fan	The Chinese University of Hong Kong	1,199,881.00	2016	2017-18
17161342	Surveillance of environmental contamination by antibiotics and antibiotic resistant pathogens	Prof Keiji FUKUDA	The University of Hong Kong	1,198,562.00	2016	2017-18
04152406	Fibrinolysis as a target to enhance osteoporotic metaphyseal fracture healing by vibration therapy	Dr Ronald WONG Man-yeung	Prince of Wales Hospital	1,147,838.00	2015	2017-18
14150971	An interactive computer-based intervention to adopt safer sex practice for female university students: a multicentred randomized controlled trial	Dr Janet WONG Yuen-ha	The University of Hong Kong	638,298.00	2015	2017-18
14151121	Effect of puerarin supplementation on cardiovascular disease risk factors: a randomized, double-blind, placebo-controlled, 2-way crossover trial	Prof Gabriel Matthew LEUNG	The University of Hong Kong	1,199,906.00	2015	2017-18

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
14151651	Fatty acid binding protein 4 (FABP-4) causes articular cartilage degeneration through synovial macrophage polarization	Dr YAN Chun-hoi	The University of Hong Kong	871,064.00	2015	2017-18
14151891	A double-blind, randomised, placebo-controlled trial of berberine as an adjuvant to treat antipsychotic-induced metabolic syndrome in patients with schizophrenia spectrum disorders	Prof ZHANG Zhang-jin	The University of Hong Kong	1,188,844.00	2015	2017-18
14152591	Development of topical Chinese herbal agent for treating osteoarthritis	Prof WONG Chun-kwok	The Chinese University of Hong Kong	1,109,944.00	2015	2017-18
04150076	TNF- $\alpha$ -Mediated Mechanism and Treatment of Hearing Loss-induced Tinnitus	Dr YANG Sungchil	City University of Hong Kong	1,093,000.00	2015	2016-17
04150266	Interleukin-1 receptor associated kinase 1 (IRAK1) is a target that drives liver tumor initiating cells and sorafenib resistance in hepatocellular carcinoma	Dr Terence LEE Kin-wah	The Hong Kong Polytechnic University	1,192,000.00	2015	2016-17
04150406	CCCTC-binding factor (CTCF) in hepatocellular carcinoma: functional characterization of its role in tumorigenesis and its potential in targeted therapy	Dr KO Chi-bun	The Hong Kong Polytechnic University	799,000.00	2015	2016-17
04150476	Data transformation for meta-analysis with application to evidence-based medicine	Dr TONG Tiejun	Hong Kong Baptist University	376,960.00	2015	2016-17
04150606	Clinical application of pleural fluid fatty acid synthase and pleural fluid total free fatty acids as cancer biomarkers in malignant pleural effusions	Prof LAM Ching-wan	The University of Hong Kong	98,000.00	2015	2016-17
04150716	A randomized, open-label, parallel-group study to explore the efficacy of high-intensity focused ultrasound (HIFU) versus fixed-dose radioiodine-131 in the treatment of relapsed Graves' disease	Dr LANG Brian	The University of Hong Kong	882,020.00	2015	2016-17
04150726	Optimizing the selection of patients with metastatic colorectal cancer for liver resection – An immuno-clinical scoring system incorporating circulating tumor cell enumeration and clinical factors	Dr LAM Ka-on	The University of Hong Kong	946,064.00	2015	2016-17
04150746	Lutein and candesartan co-treatment delays the progression of non- proliferative diabetic retinopathy in the diabetic Ins2Akita mouse model	Dr Amy LO Cheuk-yin	The University of Hong Kong	895,020.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

<b>Project No.</b>	<b>Project Title</b>	<b>Principal Applicant</b>	<b>Administering Institution</b>	<b>Approved Amount (HK\$)</b>	<b>Call Year</b>	<b>Approved Year</b>
04150776	Characterization of a novel tumor suppressive long non-coding RNA linc-ALDH1A2-1 in hepatocellular carcinoma	Dr Felice TSANG Hoching	The University of Hong Kong	1,199,956.00	2015	2016-17
04150826	Characterization of the effect of Maelstrom in cancer stemness in hepatocellular carcinoma	Prof GUAN Xin-yuan	The University of Hong Kong	1,200,000.00	2015	2016-17
04150856	Therapeutic potential of targeting CDK7-dependent and super-enhancer associated oncogene addiction in liver cancer	Dr WONG Chun-ming	The University of Hong Kong	962,856.00	2015	2016-17
04151086	Investigating the pathogenic mechanisms underlying ocular and generalized myasthenia gravis using Xenopus cell-based assay	Dr LEE Chi-wai	The University of Hong Kong	1,199,856.00	2015	2016-17
04151146	Establishment and applications of organoid cultures from primary hepatic carcinomas - a pilot study	Dr ZHOU Lei	The University of Hong Kong	99,950.00	2015	2016-17
04151186	Role of ASNS in the development of HCC via modulating cancer stemness properties	Dr WONG Tin-lok	The University of Hong Kong	97,000.00	2015	2016-17
04151216	Investigating the impact of periodontitis on neuroinflammation, neuropathology and neurodegeneration in Alzheimer's disease	Dr Raymond CHANG Chuen-chung	The University of Hong Kong	1,200,000.00	2015	2016-17
04151266	Combination of dendritic cell-based vaccination and immune checkpoint blockade for malignant mesothelioma immunotherapy	Dr TAN Zhiwu	The University of Hong Kong	1,180,856.00	2015	2016-17
04151366	Use of whole genome sequencing to unveil new mechanisms of germline DNA mismatch repair gene alterations in Lynch Syndrome patients	Dr Helen YAN Hoi-ning	The University of Hong Kong	1,196,192.00	2015	2016-17
04151416	Massively parallel discovery of combination therapies for polyglutamine diseases	Dr WONG Siu-lun	The University of Hong Kong	1,199,936.00	2015	2016-17
04151436	Is DNA damage in oligodendrocyte the common cause of early myelin loss in the aging brain? – A pilot study	Dr TSE Kai-hei	The Hong Kong University of Science and Technology	100,000.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
04151546	Prediction of the live birth rate of in vitro fertilization using a novel human embryonic stem cells derived trophoblastic spheroid implantation model	Dr Cherie LEE Yin-lau	The University of Hong Kong	1,007,129.00	2015	2016-17
04151726	Preclinical evaluation of therapeutic use of a selective cdk4/6 inhibitor (PD-0332991) in nasopharyngeal carcinoma (NPC)	Prof George TSAO Sai-wah	The University of Hong Kong	1,199,944.00	2015	2016-17
04151756	Adipocyte MDM2 as a key determinant of metabolic homeostasis	Dr CHENG King-yip	The Hong Kong Polytechnic University	1,199,856.00	2015	2016-17
04151796	Selective overexpression of SIRT1 in adipose tissue protects adiponectin deficiency induced liver injury	Dr XU Cheng	The University of Hong Kong	959,608.00	2015	2016-17
04151816	Rap1 exacerbates myocardial ischemia/reperfusion injury through enhancing cell apoptosis and inflammatory response	Dr CAI Yin	The University of Hong Kong	1,185,856.00	2015	2016-17
04151826	Hyperpolarization-activated cyclic nucleotide-gated channel 3 (HCN3) regulating apoptosis resistance, autophagy and cellular senescence in breast cancer: a novel potential anti-cancer target	Prof KHOO Ui-soon	The University of Hong Kong	1,174,577.00	2015	2016-17
04151846	Deep Expression and Functional Proteomics of Erythroid Cell Differentiation: A Molecular Resource for Understanding Red Cell Biology, Iron Metabolism and Related Diseases	Dr LOK Chun-nam	The University of Hong Kong	1,191,910.00	2015	2016-17
04151876	The function of CD271 in the development of stem-like cell phenotype in nasopharyngeal carcinoma	Dr Jimmy CHAN Yu-wai	The University of Hong Kong	1,197,100.00	2015	2016-17
04151886	A study of the regulation of TAX1 binding protein 2 by p21-activated protein kinase 4 in liver cancer metastasis	Dr Wilson CHING Yick-pang	The University of Hong Kong	1,059,576.00	2015	2016-17
04151956	Identification and Evaluation of a Reliable, Non-invasive Diagnostic Method Using blood microRNA expression to diagnose High-Risk Colorectal Cancer Candidates	Prof LAW Wai-lun	The University of Hong Kong	1,169,416.00	2015	2016-17
04151966	Identification and functional characterization of Hirschsprung disease susceptibility genes on chromosome 21	Dr Clara TANG Sze-man	The University of Hong Kong	332,537.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
04152176	MicroRNA and its link to osteogenic activities of Osteoblast in Adolescent Idiopathic Scoliosis	Prof Jack CHENG Chun-yiu	The Chinese University of Hong Kong	1,015,792.00	2015	2016-17
04152186	Prospective evaluation of the impact of Drug-Coated Balloon in the management of true coronary bifurcation disease	Dr CHAN Michael Pak-hei	The University of Hong Kong	1,121,520.00	2015	2016-17
04152266	Induction of cancer cell apoptosis by integrin endocytosis	Dr YU Cheng-han	The University of Hong Kong	100,000.00	2015	2016-17
04152326	Targeting DNA damage and repair mechanism in FLT3-ITD acute myeloid leukaemia (AML) - a mechanistic and therapeutic study	Prof Anskar LEUNG Yu-hung	The University of Hong Kong	1,200,000.00	2015	2016-17
04152336	A comprehensive study on the effects of antioxidant supplements in liver cancer development and treatment	Prof Irene NG Oi-lin	The University of Hong Kong	1,199,900.00	2015	2016-17
04152356	The use of Over-the-scope-clip (OTSC) versus standard therapy for the prevention of rebleeding in high risk peptic ulcers: a randomised controlled trial	Dr Shannon Melissa CHAN	Prince of Wales Hospital	917,728.00	2015	2016-17
04152366	Deciphering the molecular mechanism of signal transducing adaptor family member 1 (STAP1) in the regulation of hepatic cholesterol metabolism	Dr ZHONG Ling	The University of Hong Kong	1,059,856.00	2015	2016-17
04152426	Effect of Weight Loss and CPAP on OSA and metabolic profile stratified by Craniofacial Phenotype	Dr Susanna NG So-shan	Prince of Wales Hospital	1,139,001.00	2015	2016-17
04152496	Meta-Linguistic vs. Working-Memory Training in Chinese Dyslexic Children: Behavioural and Neural Evaluation	Prof Urs MAURER	The Chinese University of Hong Kong	1,147,032.00	2015	2016-17
04152566	Driving vascular regeneration against diabetic endothelial dysfunction with immune intervention	Prof Kathy LUI Oi-lan	The Chinese University of Hong Kong	1,198,752.00	2015	2016-17
04152586	Precision Diagnosis of Intracranial Atherosclerosis by Using High resolution MRI: Plaque Morphology and/or Components rather than Arterial Stenosis Predict Stroke Recurrence	Prof Fiona CHEN Xiangyan	The Chinese University of Hong Kong	805,020.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

<b>Project No.</b>	<b>Project Title</b>	<b>Principal Applicant</b>	<b>Administering Institution</b>	<b>Approved Amount (HK\$)</b>	<b>Call Year</b>	<b>Approved Year</b>
04152616	Effect of RANKL inhibition on healing of bone erosion in rheumatoid arthritis using HR-pQCT	Prof TAM Lai-shan	The Chinese University of Hong Kong	1,199,634.00	2015	2016-17
04152646	Transcriptome NGS analysis of ovary granulosa cells of PCOS: a new insight into the causes and potential therapeutic targets	Prof TANG Tao	The Chinese University of Hong Kong	696,248.00	2015	2016-17
04152656	A randomized control trial comparing electrocoagulation and gelatine-thrombin matrix sealant (FloSeal®) for haemostasis on ovarian reserve after laparoscopic surgery of ovarian endometriomas	Prof Jacqueline CHUNG Pui-wah	The Chinese University of Hong Kong	623,870.00	2015	2016-17
04152666	Whole genome sequencing analysis of genetically undiagnosed euploid fetuses with increased nuchal translucency	Prof Richard CHOY Kwong-wai	The Chinese University of Hong Kong	1,059,260.00	2015	2016-17
04152766	Partially covered versus uncovered pyloro-duodenal stents for unresectable malignant gastric outlet obstruction. A double blinded randomised controlled trial	Prof Anthony TEOH Yuen-bun	The Chinese University of Hong Kong	579,412.00	2015	2016-17
04152786	A study to compare the endometrial features of women who did and did not benefit from endometrial scratch in the cycle preceding frozen embryo transfer	Prof LI Tin-chiu	The Chinese University of Hong Kong	861,912.00	2015	2016-17
04152826	A randomized controlled clinical trial comparing subthreshold micropulse yellow (577 nm) laser versus half-dose photodynamic therapy for central serous chorioretinopathy	Prof Márten Erik BRELÉN	The Chinese University of Hong Kong	1,183,660.00	2015	2016-17
04152836	Multifunctional nanocarrier for the delivery of therapeutic siRNA and real time molecular imaging of Parkinson's disease biomarkers	Prof BIAN Liming	The Chinese University of Hong Kong	1,197,376.00	2015	2016-17
04152896	Using Radiation-free Ultrasound for Screening Scoliosis Among School Children in Hong Kong to Reduce Unnecessary X-ray Exposure	Prof LAM Tsz-ping	The Chinese University of Hong Kong	894,129.00	2015	2016-17
04153006	Endoscopic submucosal dissection (ESD) versus transanal minimally invasive surgery (TAMIS) for early rectal neoplasms: a prospective randomized controlled trial	Prof Simon NG Siu-man	The Chinese University of Hong Kong	1,042,648.00	2015	2016-17
04153036	Striatal dopamine transmission in individuals with isolated rapid eye movement sleep without atonia: a search for precursor biomarker for neurodegeneration	Prof WING Yun-kwok	The Chinese University of Hong Kong	1,199,216.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
04153116	Adaptation and validation of the Cantonese Sydney Language Battery for assessment of language deficits in patients with primary progressive aphasia in Hong Kong	Prof Adrian WONG	The Chinese University of Hong Kong	320,396.00	2015	2016-17
04153276	Novel lipid-lowering-independent benefits of statins against vascular dysfunction in metabolic syndrome	Prof HUANG Yu	The Chinese University of Hong Kong	1,199,176.00	2015	2016-17
04153366	Sox9 control of neuromesodermal progenitors	Prof Kathryn CHEAH Song-eng	The University of Hong Kong	1,200,000.00	2015	2016-17
04153446	Targeting endoplasmic reticulum stress in obstructive sleep apnea-aggravated neurocognitive decline in Alzheimer's disease	Prof YUNG Wing-ho	The Chinese University of Hong Kong	1,186,736.00	2015	2016-17
04153506	Novel Retinal Imaging Biomarkers for Cognitive Decline	Prof Carol CHEUNG Yim-lui	The Chinese University of Hong Kong	1,190,482.00	2015	2016-17
04153526	Aberrant spindle assembly checkpoint, chromosomal instability and liver cancer	Dr Ken MA Hoi-tang	The Hong Kong University of Science and Technology	979,000.00	2015	2016-17
04153586	Role of the Dragon (RGMB)-netrin receptor pathways in colorectal cancer growth	Prof XIA Yin	The Chinese University of Hong Kong	1,197,964.00	2015	2016-17
14150171	Effectiveness of interactive computer play on trunk control and gross motor function in children with cerebral palsy: a pilot randomized controlled trial	Dr Tamis PIN Wai-mun	The Hong Kong Polytechnic University	283,665.00	2015	2016-17
14150211	Impact of excessively illuminated and glare environment on visual and balance performance during navigation of the visually impaired	Dr CHEONG Ming-yan	The Hong Kong Polytechnic University	1,159,340.00	2015	2016-17
14150411	A pilot study to determine the gut microbiota of Hong Kong infants fed with breast-milk and infant formula	Dr WONG Man-sau	The Hong Kong Polytechnic University	100,000.00	2015	2016-17
14150431	Intervention Efficacy of Assistive Listening Devices for Chinese Children with Dyslexia – a Randomized Controlled Trial	Dr Anna KAM Chi-shan	The Education University of Hong Kong	1,150,986.00	2015	2016-17



**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
14150471	Use of ephemeranthoquinone, a naturally occurring phenanthraquinone, in the treatment of pancreatic fibrosis in chronic pancreatitis	Dr TSANG Siu-wai	Hong Kong Baptist University	779,700.00	2015	2016-17
14150521	Application of polysaccharide as chemical marker in quality control of saccharide-dominant Chinese medicines: Cordyceps sinensis, a case study	Dr HAN Quan-bin	Hong Kong Baptist University	1,200,000.00	2015	2016-17
14150561	Design and development of BRD4 inhibitors for the treatment of BRD4-related cancers	Dr MA Dik-lung	Hong Kong Baptist University	1,200,000.00	2015	2016-17
14150571	Elucidating the involvement of IL-17-IL-6-STAT3 axis in the anti-melanoma effects of a herbal formula comprising Flos Sophorae and Flos Lonicerae	Dr YU Zhiling	Hong Kong Baptist University	827,480.00	2015	2016-17
14150781	Adipocyte fatty acid binding protein as a novel marker of the development of sight threatening diabetic retinopathy	Dr Paul LEE Chi-ho	The University of Hong Kong	770,856.00	2015	2016-17
14150791	Diabetes mellitus and liver fibrosis regression in nucleoside analogue-treated chronic hepatitis B: a prospective matched case-control evaluation using multiparametric magnetic resonance imaging and transient elastography	Dr Walter SETO Wai-kay	The University of Hong Kong	1,197,528.00	2015	2016-17
14150801	Noise sensitivity and non-restorative sleep in Chinese adults	Dr Daniel FONG Yee-tak	The University of Hong Kong	1,200,000.00	2015	2016-17
14150811	Investigation on the anti-Parkinson's Disease Activity of BIGWISE - a Tianma Gouteng Yin-Derived Molecular Formulation	Prof LI Min	Hong Kong Baptist University	1,119,920.00	2015	2016-17
14150931	Exploring effects of Astragaloside IV, an active component of Astragalus, as an adjunct therapy with radiation therapy and/or chemotherapy to promote haematopoiesis in cancer treatment	Dr DENG Ruixia	The University of Hong Kong	1,080,856.00	2015	2016-17
14151111	Effectiveness of a smartphone app in promoting zero time exercise and fitness in patients with coronary heart disease: a pilot randomized controlled trial	Dr CHAN Po-tai	The University of Hong Kong	100,000.00	2015	2016-17
14151181	10-year risk prediction models of complications and mortality of diabetes mellitus in Chinese patients in primary care in Hong Kong	Prof Cindy LAM Lo-kuen	The University of Hong Kong	1,200,000.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
14151201	The genetic toxicology of PM2.5 exposure: A chemical approach to evaluate the impact of air pollution on human health	Prof CHAN Wan	The Hong Kong University of Science and Technology	960,000.00	2015	2016-17
14151281	Retinal microglia as a therapeutic target of the traditional Chinese medicine Lycium barbarum in Alzheimer's disease-related vision loss	Dr CHIU Kin	The University of Hong Kong	1,098,256.00	2015	2016-17
14151301	Building a theory-driven smartphone application for monitoring and promoting orthopaedic patients' motivation and adherence to medical regimen in Hong Kong: a pilot randomised controlled trial	Dr Derwin CHAN King-chung	The University of Hong Kong	99,840.00	2015	2016-17
14151571	In-depth exploration of a bidirectional parent-child health relationship and its mediating and moderating factors among low-income families in Hong Kong	Dr Esther YU Yee-tak	The University of Hong Kong	1,200,000.00	2015	2016-17
14151701	Use of in-vivo dopaminergic activity to predict relapse after medication discontinuation in schizophrenia	Dr Christy HUI Lai-ming	The University of Hong Kong	1,178,816.00	2015	2016-17
14151731	Efficacy, safety and response predictors of adjuvant Astragalus therapy for diabetic kidney disease – an open-label randomised controlled trial with responder regression analysis	Prof Sydney TANG Chi-wai	The University of Hong Kong	1,199,954.00	2015	2016-17
14151741	The impact of climate change on elderly suicide deaths in Hong Kong and implications to suicide prevention	Dr CHAU Pui-hing	The University of Hong Kong	99,729.00	2015	2016-17
14151771	Striking a balance between cost, effectiveness and efficiency of emergency departments in Hong Kong: An integrated approach of data analytics, simulation, and system optimization	Prof KUO Yong-hong	The Chinese University of Hong Kong	762,920.00	2015	2016-17
14151791	Study of target-based Chinese herbal medicine in suppression of aberrant cryptic foci: implication of colon cancer prevention	Dr SZE Cho-wing	The University of Hong Kong	584,298.00	2015	2016-17
14151841	Development of an explanatory model to explore the cervical cancer screening behaviour of ethnic minority women	Ms Dorothy CHAN Ngo-sheung	The Chinese University of Hong Kong	100,000.00	2015	2016-17
14151961	Efficacy and economic evaluation of Internet-based cognitive behavioural therapy as treatment for anxiety and depression: A randomised controlled trial	Prof Winnie MAK Wing-sze	The Chinese University of Hong Kong	1,199,906.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
14151971	How can we allocate the screening interval for diabetic retinopathy in Hong Kong: towards a personalized approach	Dr Tina LIAN Jinxiao	The Hong Kong Polytechnic University	967,600.00	2015	2016-17
14152071	Predicting the probability of return to work after injury in Hong Kong: prospective multicentre cohort study	Prof Colin GRAHAM	The Chinese University of Hong Kong	1,056,857.00	2015	2016-17
14152111	Impact of pill-splitting training on drug physiochemical properties and clinical outcomes in elderly cardiac population: A crossover cohort study	Prof Vivian LEE Wing-yan	The Chinese University of Hong Kong	100,000.00	2015	2016-17
14152141	Relationship between skin rash and clinical outcomes in advanced pancreatic cancer treated with gemcitabine plus erlotinib: a systematic review and meta-analysis	Dr YANG Zuyao	The Chinese University of Hong Kong	431,260.00	2015	2016-17
14152251	Eating behaviours, diet quality and gastrointestinal symptoms in children with autism spectrum disorders and typically developing children: a case-control study	Prof Ruth CHAN Suk-mei	The Chinese University of Hong Kong	734,485.00	2015	2016-17
14152291	An observational study to evaluate integrative medicine in managing fatigue and cognitive deficits associated with multiple sclerosis and neuromyelitis optica	Prof Alexander LAU Yuk-lun	The Chinese University of Hong Kong	1,153,159.00	2015	2016-17
14152301	The development and validation of a language screening test for preschool children in Hong Kong – an extension of the newly validated tool in Macau	Prof Kathy LEE Yuet-sheung	The Chinese University of Hong Kong	894,306.00	2015	2016-17
14152321	Treatment of Diabetic Nephropathy by Targeting TGF- $\beta$ /Smad Signalling with the Combination of Asiatic Acid and Naringenin	Prof LAN Hui-yao	The Chinese University of Hong Kong	1,200,000.00	2015	2016-17
14152371	Effects of home exercise intervention and compliance on bone density, muscle functions, quality of life, and curve progression in girls with adolescent idiopathic scoliosis: A pilot study	Dr Elisa TAM Man-shan	The Chinese University of Hong Kong	98,600.00	2015	2016-17
14152621	The cost-effectiveness and effects of a music-paced physical activity intervention on clinical outcomes and physical activity maintenance of post-cardiac rehabilitation patients with coronary heart disease	Prof CHAIR Sek-ying	The Chinese University of Hong Kong	888,890.00	2015	2016-17
14152631	Effects of a structured advance care planning guide among patients with advanced illness in hospital care settings: a stepped-wedge cluster randomised controlled trial	Dr Helen CHAN Yue-lai	The Chinese University of Hong Kong	803,024.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
14152711	Long Term Effectiveness of Elderly Health Care Voucher Scheme Strategies: A System Dynamics Simulation Analysis	Prof Marc CHONG Ka-chun	The Chinese University of Hong Kong	351,516.00	2015	2016-17
14152861	Quantification of breast milk trans fatty acids and trans fat intake by Hong Kong lactating women	Prof CHEN Zhen-yu	The Chinese University of Hong Kong	813,385.00	2015	2016-17
14153051	A mixed methodology study on climate, health and environmental-friendly behavioural co-benefits in Hong Kong	Prof Emily CHAN Ying-yang	The Chinese University of Hong Kong	684,312.00	2015	2016-17
14153141	Identifying priority research questions for addressing unmet cancer palliative care needs using Chinese medicine with a systematic approach	Dr WU Xin-yin	The Chinese University of Hong Kong	99,996.00	2015	2016-17
14153311	EGFR mutation testing in blood for guiding EGFR tyrosine kinase inhibitor treatment in patients with non-small cell lung cancer: A systematic review and cost-effectiveness analysis	Prof MAO Chen	The Chinese University of Hong Kong	482,560.00	2015	2016-17
14153321	A clustered randomized controlled trial to test the effectiveness of a theory-based and setting-based intervention in promoting strength training among older adults in Hong Kong	Prof Phoenix MO Kit-han	The Chinese University of Hong Kong	1,197,944.00	2015	2016-17
16150072	Rapid and comprehensive prediction of first and second-line drug resistance in Mycobacterium tuberculosis directly from respiratory specimens using massive parallel targeted sequencing: A prospective study	Dr SIU Kit-hang	The Hong Kong Polytechnic University	806,535.00	2015	2016-17
16150322	The enablers and barriers of the public to comply with infection control measures for influenza pandemic in Hong Kong	Prof LAM Tai-pong	The University of Hong Kong	813,941.00	2015	2016-17
16150342	Roles of the chromatin architectural protein CTCF in hepatitis B virus transcription	Dr KONG Ka-yiu	The University of Hong Kong	990,856.00	2015	2016-17
16150422	Virus-like particle (VLP)-based mucosal vaccine for inducing cross-serotype immunity against Streptococcus pneumoniae infection	Dr YU Bin	The University of Hong Kong	1,191,064.00	2015	2016-17
16150442	Novel human neutralizing antibodies against HIV/AIDS	Prof CHEN Zhiwei	The University of Hong Kong	1,199,856.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
16150472	Reactivation of Epstein-Barr virus (EBV) lytic cycle in EBV-associated epithelial malignancies by iron chelators and evaluation of its therapeutic potential	Dr Alan CHIANG Kwok-shing	The University of Hong Kong	1,196,944.00	2015	2016-17
16150572	Investigating the role of caspase-6 in the replication of the Middle East respiratory syndrome coronavirus.	Dr CHU Hin	The University of Hong Kong	1,195,856.00	2015	2016-17
16150592	Targeting lipid droplet metabolism as therapeutic intervention during dengue virus infection	Dr Sumana SANYAL	The University of Hong Kong	1,200,000.00	2015	2016-17
16150632	Potential therapeutic effects of farnesyltransferase inhibitor in severe human influenza disease	Dr HUI Pui-yan	The University of Hong Kong	737,847.00	2015	2016-17
16150662	Therapeutic potential of regulatory T cells in limiting HIV reservoir in the brain without triggering detrimental neuroinflammation	Dr HUANG Xiuyan	The University of Hong Kong	1,196,064.00	2015	2016-17
16150732	Regulation of dengue virus life cycle by KDEL receptor-dependent signaling pathway: a new target to interfere with viral infection and pathogenesis	Prof Roberto BRUZZONE	The University of Hong Kong	1,130,112.00	2015	2016-17
16150752	Using WhatsApp reminders to improve childhood seasonal influenza vaccination: a randomized control trial to compare the effectiveness of individual-based and social networking-based interventions	Dr LIAO Qiuyan	The University of Hong Kong	618,104.00	2015	2016-17
16150782	Real-time estimation of the impact of influenza viruses	Dr Jessica WONG Yuen-ting	The University of Hong Kong	312,987.00	2015	2016-17
16150852	Determinants of seasonal influenza vaccination and preferences for future vaccination programmes among hospital-based healthcare workers in Hong Kong	Prof Benjamin John COWLING	The University of Hong Kong	983,958.00	2015	2016-17
16150942	The role of vraSR two-component system in methicillin-resistant Staphylococcus aureus skin and soft tissue infections.	Prof Margaret IP	The Chinese University of Hong Kong	795,000.00	2015	2016-17
16150982	Follicular fluid hepatitis B viral level in female Hepatitis B carriers seeking in-vitro fertilization (IVF) therapy and treatment outcome: a prospective observational study	Dr MAK Sze-man	The Chinese University of Hong Kong	875,479.00	2015	2016-17

**Investigator-initiated Projects  
Approved Projects since 2016-17  
(as at 6 Nov 2020)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
16151002	Preservation of gut barrier function by cathelicidin in severe sepsis	Dr William WU Ka-kei	The Chinese University of Hong Kong	1,199,152.00	2015	2016-17
16151032	Economic evaluation of rotavirus vaccine in young Hong Kong children	Prof Edmund Anthony Severn NELSON	The Chinese University of Hong Kong	569,700.00	2015	2016-17
16151042	Genome-wide study of CpG methylation of EB virus-associated nasal lymphoma identifies disrupted transcription program derived from silencing of tumor suppressor PAX5	Prof TAO Qian	The Chinese University of Hong Kong	1,015,032.00	2015	2016-17
16151082	The first Hong Kong study to explore prevalence and risk factors for the emergence of antibiotic resistant Mycoplasma genitalium(MG) among sexually transmitted infection(STI) male patients	Prof CHUNG Pui-hong	The Chinese University of Hong Kong	99,800.00	2015	2016-17
16151172	Activating mucolipin for restoring lysosomal function in the control of Helicobacter pylori colonization	Dr ZHANG Lin	The Chinese University of Hong Kong	1,041,432.00	2015	2016-17
16151202	Development of a New Class of Photosensitizers, Cationic Boron Dipyrromethenes, for the Photodynamic Therapy on Methicillin-Resistant Staphylococcus aureus Infection	Prof FUNG Kwok-pui	The Chinese University of Hong Kong	1,193,998.00	2015	2016-17
16151212	Effects of microRNA-17-3p upregulation on vascular inflammation and endothelial dysfunction caused by the human immunodeficiency virus proteins	Dr Susan LEUNG Wai-sum	The University of Hong Kong	1,196,800.00	2015	2016-17
16151222	Promoting influenza prevention for elderly people in Hong Kong: A Health Action Process Approach	Dr ZHANG Chunqing	Hong Kong Baptist University	729,320.00	2015	2016-17