

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

Health and Medical Research Fund (HMRF)*

2014

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Professor SK Chung	Anatomy	Targets of reactive oxygen species and oxidative stress in Type 1 diabetes complications	967,000
Professor SK Chung	Anatomy	To Determine the Role of Exchange Protein directly Activated by cAMP in the Blood-retinal Barrier and Pathogenesis of Diabetic Retinopathy	947,000
Dr SK Li	Anatomy	A Study of the Roles of Hepatitis B Virus X Protein on the Transcriptional Regulation of Tumor Suppressor TAX1BP2 in Hepatocellular Carcinoma	1,048,296
Dr CM Tsang	Anatomy	The interaction of berberine with chemodrugs for treating EBV-associated carcinomas: the concern for lytic reactivation in affecting the drug efficacy	1,143,296
Professor WT Wu	Anatomy	Enhancing axonal regeneration of spinal motoneurons after root avulsion by manipulation of chondroitin sulfate proteoglycans (CSPGs)	1,192,376
Professor DY Jin	Biochemistry	Perturbation of MAVS-dependent antiviral response by PB1-F2 protein of influenza A (H7N9) virus and implications to viral pathogenesis	1,200,000
Professor DY Jin	Biochemistry	Identification and characterization of a novel transcript isoform of STING that negatively regulates innate antiviral response	1,200,000
Dr Ray K Ng	Biochemistry	Epigenetic function of TET2 in the transcriptional regulation of MLL-rearranged leukemia	1,200,000
Dr Julian Tanner	Biochemistry	Development of an aptamer-based sensor for monitoring luteinizing hormone pulsatility	1,196,160
Professor ZJ Zhou	Biochemistry	SIRT6 in bone marrow stromal cell potency and the development of osteoporosis	1,143,608
Professor L Lao	Chinese Medicine	Acupuncture for Postoperative Pain After Abdominal Surgery for Gynecological Cancer: A Randomized Placebo-controlled Trial	761,707

* The Health and Medical Research Fund (HMRF) was created in December 2011 consolidating the former Health and Health Services Research Fund (HHSRF) and Research Fund for the Control of Infectious Diseases (RFCID).

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Professor JG Shen	Chinese Medicine Medicine	Exploring Effects of Glycyrrhizin, an Active Compound from Glycyrrhizae Radix, on Attenuating Delayed Tissue-plasminogen Activator (t-PA) Treatment-induced Hemorrhagic Transformation in Ischemic Stroke	1,009,608
Dr Victor Lee	Clinical Oncology	FDG and 11C-acetate PET-CT scan to assess tumour response after stereotactic body radiation therapy as bridging therapy for patients with hepatocellular carcinoma awaiting liver transplantation	1,087,376
Dr Victor Lee	Clinical Oncology	Role of individual dietary counselling on weight loss and change in quality of life in patients with nasopharyngeal carcinoma treated with intensity-modulated radiation therapy	435,308
Dr Elaine YP Lee	Diagnostic Radiology	Translating functional tumour volume and biology of peritoneal carcinomatosis to identify suitable candidate for cytoreductive surgery in ovarian carcinoma.	782,592
Dr Carlos KH Wong	Family Medicine and	Cost and Cost-effectiveness Analysis of Renal Replacement Therapy Modalities for Patients with End-stage Renal Disease in Hong Kong: Comparison between Peritoneal Dialysis and Haemodialysis Strategies	526,952
Dr Esther YT Yu	Family Medicine and	In-depth study of the cost-effectiveness of the Risk Assessment and Management Programme for Hypertension(RAMP-HT) for patients with uncontrolled hypertension in primary care in Hong Kong	1,199,964
Dr Johnny CY Chan	Medicine	Registry of Severe Cutaneous Adverse Drug Reactions and Epidemiological study in Hong Kong (RESCUE-HK)	1,075,600
Dr KH Chan	Medicine	Investigation of adiponectin gene therapy in an animal model of Alzheimer's disease	1,136,960
Professor James CS Chim	Medicine	Identification of methylated miRNAs in acute promyelocytic leukaemia and their potential clinical application	996,808
Dr Ruby LC Hoo	Medicine	Adipocyte fatty acid binding protein (A-FABP) is a pathological mediator of obesity-related renal dysfunction.	1,035,108
Professor Anskar YH Leung	Medicine	Establish a zebrafish model to study the molecular and clonal heterogeneity and develop personalized treatment in FLT3-ITD+ AML	1,169,608
Dr Alvin CH Ma	Medicine	Generating transgenic zebrafish model to study the emerging role of autophagy and mitophagy in hematopoietic diseases	1,138,440
Professor Sydney CW Tang	Medicine	Exploring the Role of Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells in Nephropathies	1,200,000

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Dr CM Wong	Medicine	Deciphering the molecular mechanism of Protein Arginine Methyltransferase (PRMT) 1 in the regulation of hepatic glucose and lipid metabolism	919,296
Professor A Xu	Medicine	FGF21 as a potential mediator for the anti-depressant effects of physical exercise	1,197,608
Professor A Xu	Medicine	Activation of Uncoupling Protein-1 as a Potential Therapeutic Strategy for Obesity-induced Endothelial Dysfunction and Atherosclerosis	1,159,010
Dr Desmond YH Yap	Medicine	Lymphocyte subset profile and clinical phenotype in lupus nephritis	1,178,412
Dr Thomas CC Yau	Medicine	A Combination of Sorafenib, Oxaliplatin and Capecitabine as Neoadjuvant Therapy for Patients with Locally Advanced Hepatocellular Carcinoma: A Phase II Study	1,196,896
Dr KH Yiu	Medicine	Reversibility of liver stiffness after tricuspid annuloplasty: A case-control study.	964,216
Dr Chloe YY Cheung	Medicine Primary	Impact of genetic variants identified in genome-wide association studies and their possible interaction with hypertension on the risk of diabetic retinopathy	940,504
Dr CL Ng	Medicine Primary	Small molecule of Adiponectin receptor agonist, AdipoRon - a potential therapeutic medication for Alzheimer's disease	956,608
Dr Jasper FW Chan	Microbiology	Efficacy and mechanistic evaluation of banana lectin (BanLec) as a novel pan-coronavirus antiviral agent: in-vitro and ex-vivo evidence	731,296
Dr Allen KL Cheung	Microbiology	Characterising the role of a novel PD1 isoform expressed on gamma-delta T cells in HIV-1 infection	1,199,908
Dr PL Ho	Microbiology	Unveiling the characteristics of emerging Staphylococcus lugdunensis sequence type 3 clone by genomics analysis	1,127,608
Dr Z Tan	Microbiology	Role of Δ 42PD1/TLR4 interaction in human hepatocellular carcinoma and its blockade as a novel immunotherapy strategy	1,194,608
Dr JX Zhang	Microbiology	Modulation of prostaglandin E2 and lipoxins to ameliorate the severe lung inflammation induced by A(H1N1)pdm09 influenza virus in diet induced obese mice	1,045,808
Ms OK Chung	Nursing	Psychometric Evaluation of the Chinese Version of the Fatigue Scale-Child	100,000
Dr William HC Li	Nursing	Helping in-patients to quit smoking by understanding their risk perception, behavior, and attitudes related to smoking	100,000

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Professor Agnes FY Tiwari	Nursing	A Randomized, Wait-list Controlled Trial of Self-administered Acupressure for Symptom Management Among Chinese Family Caregivers with Caregiver Stress	1,000,000
Dr David Chan	Obstetrics and Gynaecology	Functional characterization of MAP30 protein from bitter melon (<i>Momordica charantia</i>) in combating ovarian cancer oncogenesis and chemoresistance	1,197,160
Dr Amy CY Lo	Ophthalmology	Alleviation of early high mortality and aggravated brain pathology by lutein in a genetic type I diabetic mouse model after experimental stroke	1,197,160
Dr Alex LK Ng	Ophthalmology	Relationship among dietary habits, omega-3 fatty acids levels and age-related macular degeneration in the Hong Kong Chinese	733,394
Dr Jason PY Cheung	Orthopaedics and Traumatology	Are rigid cervical collars necessary for patients undergoing open-door laminoplasty and titanium arch plates for cervical myelopathy? - A Randomized Clinical Trial	100,000
Dr Jason PY Cheung	Orthopaedics and Traumatology	Prediction Classifier Model for Management of Adolescent Idiopathic Scoliosis	100,000
Dr Kelvin Yeung	Orthopaedics and Traumatology	The Application of Newly Developed Biodegradable K-wire in Upper-limb Fracture Fixations	1,043,258
Dr CB Chow	Paediatrics and Adolescent	Developing indicators to monitor injury trend and burden in Hong Kong	627,996
Professor Annie NY Cheung	Pathology	p21 activated kinase 4 and ovarian cancer chemoresistance	1,179,608
Dr Daniel WH Ho	Pathology	Investigation of functional synergism of CENPF and FOXM1 in hepatocellular carcinoma	1,198,376
Dr Alan KL Kai	Pathology	Characterization of anti-CCL28 as a novel therapy to overcome sorafenib resistance in HCC	1,173,296
Dr Carmen CL Wong	Pathology	Targeting hypoxia-induced ectonucleoside triphosphate diphosphohydrolase 2 (ENTPD2) in hepatocellular carcinoma (HCC) development	1,199,952
Dr Carmen CL Wong	Pathology	The molecular mechanisms elicited by Sorafenib withdrawal in hepatocellular carcinoma treatment	1,199,952
Dr CM Wong	Pathology	Deregulation and somatic mutations of histone methyltransferase ASH1L in liver cancer.	1,169,608
Dr CM Wong	Pathology	Pathological implications and functional characterizations of novel long non-coding RNA linc-CHD1L-1 in hepatocellular carcinoma	1,117,608

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Dr Maria P Wong	Pathology	Translating intra-tumoural genetic heterogeneity to identify cancer progression genes in lung adenocarcinoma	1,196,608
Dr Regina CL Lo	Pathology Medicine	Study of the clinical relevance and functional role of Stanniocalcin 1 in hepatocellular carcinoma	1,141,504
Dr Jenny KW Lam	Pharmacology and Pharmacy	Inhalable dry powder formulation of naked siRNA using spray-drying and spray freeze-drying technologies for the treatment of respiratory infections	1,189,608
Dr George PH Leung	Pharmacology and Pharmacy	Protective effects of Pleurotus ostreatus (Oyster mushroom) and ergothioneine against doxorubicin-induced cardiotoxicity	1,023,296
Professor Paul M Vanhoutte	Pharmacology and Pharmacy	Human Prostacyclin Receptors and Endothelial Dysfunction	1,192,736
Dr Y Wang	Pharmacology and Pharmacy	Role of Endothelial SIRT1 in the Prevention of Vascular Ageing - focusing on arterial remodeling and circadian rhythmicity	1,196,568
Professor Q Hao	Physiology	Structural Study of NDM-1: Towards Rational Inhibitor Design Against the Antibiotic Resistant "Superbug"	1,198,296
Dr Cora SW Lai	Physiology	Mechanisms underlying the antidepressant effects of ketamine in an animal model of depression: the role of dendritic spines and interneurons	1,192,328
Dr Ellen NY Poon	Physiology	Identification of the optimal source of human mesenchymal stromal cells for the treatment of acute graft-versus-host disease under a clinical-grade ex-vivo culture system	1,183,837
Professor Eric YH Chen	Psychiatry	The relative roles of dopamine dysregulation and psychosocial stressors in later-onset psychosis	1,199,084
Dr Michael CW Chan	Public Health	Interactions between lung microvascular endothelial cells and alveolar epithelial cells in severe influenza virus infection associated acute lung injury	1,059,796
Dr LL Hui	Public Health	Cardiovascular disease risk factors in late adolescence of late preterm and early term births: a prospective observation from the "Children of 1997" birth cohort	580,546
Dr LL Hui	Public Health	Serum interleukin 6 and insulin resistance – a Mendelian randomization study	1,186,448
Dr Dennis KM Ip	Public Health	A Randomized Controlled Trial on the Effect of Fever Suppression by Antipyretics on Influenza	1,199,902
Dr Dennis KM Ip	Public Health	Development and evaluation of a smartphone apps-based school absenteeism reporting system for infectious disease surveillance among local schools in Hong Kong	608,018

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Dr Michael Y Ni	Public Health	A prospective cohort study of road traffic noise, depressive symptoms and mental well-being.	588,683
Dr Ranawaka APM Perera	Public Health	Kinetics of hemagglutinin stalk binding neutralizing antibody responses during natural influenza infection	847,340
Dr Leo LM Poon	Public Health	Detection and characterization of antibody-dependent cell-mediated cytotoxicity (ADCC) responses against human H7N9 virus in humans and mice	1,199,608
Dr TQ Thach	Public Health	Impacts of maternal exposure to particulate matter on birth weight and preterm birth using high resolution spatio-temporal exposure modelling in Hong Kong, 2001-2011	825,448
Dr L Xu	Public Health	A prospective study of Southern Chinese dietary pattern, foods and nutrients with cardiovascular disease mortality	529,608
Professor Kenneth Boheler	Shing Faculty of	Eliminating Clinical Barriers to the use of GMP-qualified human pluripotent stem cell-derived midbrain dopaminergic neurons for cell based therapies of Parkinson's Disease	1,199,049
Dr Ava Kwong	Surgery	Risk assessment of hereditary breast and ovarian cancer syndrome in Chinese population by multiple-gene sequencing	1,196,160
Dr Vincent CH Lui	Surgery	Functional genetic study to unravel the genetic backgrounds of biliary atresia	1,020,016
Professor M Man	Surgery	The role of regulatory B cells (Bregs) in tumor recurrence after liver transplantation for liver cancer patients	1,192,960
Dr Elly SW Ngan	Surgery	Reading Hedgehog signaling in enteric neural crest cells: implications in Hirschsprung disease	1,200,000
Professor Paul KH Tam	Surgery	Decoding Biliary Atresia at the transcriptome and tissue architecture level	1,181,160
Dr XQ Wang	Surgery	Cyclin D1-Smad-mediated liver cancer stem cells (CSCs) self-renewal and therapeutic potential of Smad inhibitor-induced CSC differentiation and chemo-sensitization	872,376
Dr TS Wong	Surgery	Effects of NADPH oxidase 5 in modulating hypoxic response in oral tongue cancer	1,198,830

2013

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Dr. R.C.C. Chang	Anatomy	Investigating oxyresveratrol as potential neuroprotective drug in experimental models of Parkinson's disease	1,000,000
Dr. Y.P. Ching	Anatomy	A study of the role of CDK5RAP3 in neuronal cell differentiation	966,120
Dr. G. Tipoe	Anatomy	Therapeutic effects of Wolfberry (<i>Lycium barbarum</i> polysaccharides; LBP) in non-alcoholic fatty liver disease (NAFLD) animal models	923,440
Professor W. Wu	Anatomy	Repairing neural damage after spinal cord injury with self-assembling peptide nanofiber scaffold (SAPNS)	999,000
Professor D. Jin	Biochemistry	Suppression of innate interferon production by Middle East respiratory syndrome coronavirus M protein	1,000,000
Dr. K.H. Kok	Biochemistry	Suppression of PACT-dependent antiviral response by measles virus V protein	947,500
Dr. M.H. Sy	Biochemistry	the role of DNA Damage and Repair Signaling in Hepatocarcinogenesis	958,000
Professor X. Guan	Clinical Oncology	Exploring the Mechanism for Cancer Associated Fibroblasts Recruitment and the Potential Therapeutic Value in Esophageal Squamous Cell Carcinoma	999,120
Dr. H.L. Lung	Clinical Oncology	The effects of the IKKbeta-specific inhibitor PS1145 on tumor formation and metastasis in nasopharyngeal carcinoma	966,316
Professor K.R. Boheler	LKS Faculty of Medicine	STF31 and the Selective Ablation of Tumorigenic Human Pluripotent Stem Cells from Differentiated Cells Destined for Regenerative Medicine	976,500
Dr. K.Y. Cheng	Medicine	Hypothalamic APPL2 combats against obesity by promoting adaptive thermogenesis in adipose tissues	967,736
Professor W.C.S. Lau	Medicine	Validation of a new definition of lupus low disease activity state (LLDAS): Clinical and management implications	476,120
Professor S.C.W. Tang	Medicine	Semi-structured Chinese Medicine Treatment as an Adjuvant Therapy to the Management of Diabetic Nephropathy – A pilot comparative clinical trial	1,000,000
Dr. Y.H.D. Yap	Medicine	Relationship between Mycophenolic Acid Pharmacokinetics and Pharmacogenomics with treatment response and disease activity in lupus nephritis	918,000
Dr. Z. Chen	Microbiology	Role of $\Delta 42PD1$ in HIV Infection	999,980

Dr. P.L. Ho	Microbiology	Molecular epidemiology of transferrable multidrug-resistant pump <i>oqxAB</i> in <i>Escherichia coli</i> from human and animal sources	843,464
Dr. J. Zhou	Microbiology	Characterization of the immune activation pathway in human macrophage and the macrophage-neutrophil interaction in MERS coronavirus infection	1,000,000
Dr. W.H.C. Li	Nursing	Effectiveness of a brief, self-determination intervention for smoking cessation (immediate or progressive) among people attending emergency departments: a randomised controlled trial	1,000,000
Professor K.F. So	Ophthalmology	Study of gliogenesis and neurochemistry underlying psychomotor retardation induced by chronic stress and the therapeutic approach for motor training in reversing the adverse effects	999,568
Professor Y.F. Cheung	Paediatrics & Adolescent Medicine	Circulating Transforming Growth Factor- β and Aortic Dilation in Patients with Repaired Congenital Heart Disease	493,752
Dr. B.H.Y. Chung	Paediatrics & Adolescent Medicine	Identifying the genetic causes underlying prenatally-diagnosed structural congenital anomalies (SCAs) by whole-exome sequencing (WES)	997,380
Dr. P. Ip	Paediatrics & Adolescent Medicine	Promoting alcohol-related attitudinal and behavioural change amongst adolescents through Internet intervention: A cluster randomised controlled trial	863,034
Mr. W. Ma	Pathology	Characterization of functions of RhoE/ROCK pathway in regulating chemoresistance of liver cancer	609,000
Professor J.M. Nicholls	Pathology	Modulation of MERS-CoV infection of the human ex vivo respiratory tract by the use of interferon, cyclophilin inhibitors and blocking antibody therapy	891,670
Dr. C.C.L. Wong	Pathology	Targeting the metabolic machineries of HCC by understanding the roles of transketolase in hepatocellular carcinoma development	999,780
Dr. J.W.P. Yam	Pathology	Functional role of hypoxia-induced caveolin-1 in hepatocellular carcinoma metastasis	856,120
Dr. H.H.N. Yan	Pathology	Intestinal organoid cultures of early onset colorectal cancers	998,456
Dr. C.L. Cheung	Pharmacology & Pharmacy	The role of Vitamin D and bone metabolism in cardiovascular events risk, an interaction or mediation? An 11 year follow-up study	999,736
Professor I.C.K. Wong	Pharmacology & Pharmacy	Pharmacogenomics Assessment of Serious Cutaneous Adverse drug reactions (PASCA)	910,176
Dr. M. Li	Psychiatry	Development of multivariate gene-based association analysis approaches for endophenotypes of complex diseases and their application to genetic mapping in a Chinese schizophrenia sample	989,640

Dr. S.L.R. Au Yeung	Public Health	Age at menarche and cardiovascular risk factors – a Mendelian randomization analysis	998,900
Mr. W.H. Chin	Public Health	A systematic study of influenza A viruses with PB2-701 and 702 random mutations on viral fitness, host specificity and nuclear import of PB2	996,100
Dr. S.A. Doak	Public Health	Understanding alternate immune correlates of protection in household transmission of influenza	999,828
Professor R. Fielding	Public Health	Diet after diagnosis: a qualitative study to explore the dietary choices made by newly diagnosed breast cancer patients	429,468
Dr. W.W.T. Lam	Public Health	Developing and testing a decision aid to support Chinese parents' HPV vaccination decision-making for adolescent girls: a randomised controlled trial	672,870
Dr. E.H.Y. Lau	Public Health	Optimizing avian influenza surveillance strategy in live poultry market setting	417,580
Dr. Y.Y.J. Leung	Public Health	Prediction of cardiovascular disease using the Framingham risk score in older adults in Hong Kong	355,070
Dr. Q. Liao	Public Health	Chinese adults' preference for influenza vaccination: a discrete choice experiment	669,206
Dr. K.P. Mok	Public Health	The pathogenic role of the adaptation in the polymerase basic 2 protein of the new identified duck isolated H7N9 lineage in mammalian hosts.	638,340
Dr. H.M.H. Pang	Public Health	Comparative Effectiveness Analysis of Lung Cancer Data from Randomized Clinical Trials and Observational Studies	337,432
Professor J.S.M. Peiris	Public Health	Role of influenza virus surface glycoproteins in virus-induced cell stress and inflammation	964,520
Dr. L.L.M. Poon	Public Health	Generation of a replication-incompetent NP-knockout influenza virus that allows expression of galactose-alpha-1,3-galactose (alpha-Gal) in infected cells to enhance adaptive immune response.	998,000
Dr. L.L. Hui	Public Health	The consequences of in-utero exposure to gestational diabetes on metabolic health in adolescence: does breastfeeding make a difference?	388,760
Dr. S. Sanyal	Public Health	Development of therapeutic strategies against viral infections by targeting the host ubiquitylation machinery and its modulation of the innate immune response	981,120
Dr. T.Q. Thach	Public Health	The Mortality Effects of Long-Term Traffic-Related Exposure in a Cohort of Chinese Elderly	806,370
Dr. H. Zhu	Public Health	Molecular determinants for the interspecies transmission of an avian H6N1 virus that caused the human infection in Taiwan	1,000,000

Dr. D.K.M. Ip	Public Health	Age specific and temporal variability in the effectiveness of seasonal influenza vaccine in Hong Kong	998,484
Dr. X. Liu	Surgery	Autophagy in hypoxia-induced chemo-resistance in hepatocellular carcinoma and its potential as a novel therapeutic target	80,000
Professor C.M. Lo	Surgery	Mechanisms of antiviral drug-resistant in liver transplant recipients with HBV and HCC recurrence	960,820
Dr. S.T.S. Wong	Surgery	The use of curcumin to circumvent cisplatin resistance in nasopharyngeal carcinoma	41,390

2012

Principal Applicant	Department/School/Centre	Project Title	Awarded Amount (HK\$)
Dr VMY Yuen	Anaesthesiology	Comparison of oral chloral hydrate and intranasal dexmedetomidine for sedation in children undergoing computerised tomography in Queen Mary Hospital	792,840
Dr CWY Chan	Anatomy	Human embryonic stem cell-derived cardiomyocyte as a model to study the role of autophagy in cardiac inflammation.	981,360
Dr B Lin	Anatomy	Modulation of the PTEN/mTOR pathway enhances the survival of cone photoreceptors in retinal degeneration disorders.	990,360
Professor KF So	Anatomy	Minimizing neuropsychiatric side-effects of glucocorticoid therapy by antipsychotics and Chinese medicine	997,848
Dr CM Tsang	Anatomy	The protective role of Epstein-Barr virus infection towards starvation-induced apoptosis.	991,992
Professor D Jin	Biochemistry	Mechanism of inflammasome activation by SARS coronavirus 3a protein	1,000,000
Professor D Jin	Biochemistry	Regulatory roles of SIRT1 deacetylase in hepatitis B virus transcription	1,000,000
Dr. Y. Song	Biochemistry	Study of Population Specific Linkage Disequilibrium (LD) Patterns of Human Major Histocompatibility Complex (MHC) Region for Cancers, Infectious and Autoimmunity Diseases in Southern Chinese	956,800
Dr J Chen	Chinese Medicine	A randomized, controlled trial of Guolin-Qigong in improving body-mind health of Chinese women with breast cancer	786,016
Dr W Meng	Chinese Medicine	Clinical study of Chinese herbal compound Hualiu Recepte (HLR) for the treatment of uterus fibroids (UFs): Results from a randomized, double-blinded, two-dose, and crossover trial	994,600
Dr Z Wang	Chinese Medicine	Exploration of dietary compound isoliquiritigenin in chemosensitizing breast cancer stem cells by targeting aberrant β -catenin signaling	758,360
Professor X Guan	Clinical Oncology	Characterization of the effect of Epstein-Barr Virus encoded BART microRNAs on enhancing tumor-initiating properties and potentially serve as biomarkers in Nasopharyngeal Carcinoma	919,300
Dr. H.L. Lung	Clinical Oncology	The serum amyloid A1 (SAA1) Polymorphisms as Risk Factors in Esophageal Squamous Cell Carcinoma	785,624

Professor M.L. Lung	Clinical Oncology	Elucidating the genetic basis for early-age onset nasopharyngeal carcinoma in Hong Kong	1,000,000
Professor TP Lam	Family Medicine & Primary Care	The barriers and facilitators to undertaking continuing professional education among the private non-specialist primary care physicians in Hong Kong	530,108
Dr.W. Wong	Family Medicine & Primary Care	Development of the brief version of the Chinese Quality of Life (ChQOL) Instrument	410,760
Dr. W.C.W. Wong	Family Medicine & Primary Care	To Determine Prevalence and Contextual Risk Factors of Sexually Transmitted Infections in Hong Kong	1,280,580
Professor PC Sham	Centre for Genomic Sciences	Mutational spectrum for dilated cardiomyopathy in Hong Kong	917,270
Professor D.T.M. Chan	Medicine	Gut Microbiota in the Pathogenesis of Lupus Nephritis	958,992
Professor S.L. Ho	Medicine	Pathophysiological study of Parkinson's disease associated with leucine-rich repeat kinase 2 (LRRK2) gene mutation	928,040
Dr. C.L.D. Lam	Medicine	Application of an EGFR array for the detection of Epidermal Growth Factor Receptor (EGFR) gene mutation in patients with Non-Small Cell Lung Cancer (NSCLC)	609,000
Professor W.K. Leung	Medicine	Detection of methylated Septin 9 DNA in blood for diagnosis, prognosis and surveillance of patients with colorectal cancer	979,032
Professor K.C.B. Tan	Medicine	Genetic Screening of Familial Hypercholesterolemia in Hong Kong	996,576
Dr DKH Wong	Medicine	Hepatitis B X protein primary structure and epigenetic regulation of HBV replication	967,880
Dr JFW Chan	Microbiology	Epidemiology, seroprevalence, and clinical manifestations of immunodeficiency due to autoantibody against interferon gamma in Hong Kong.	80,000
Dr KLA Cheung	Microbiology	Virus dissemination from HIV-1 latently infected CD34+ hematopoietic progenitors	980,120
Dr. S.K.P. Lau	Microbiology	Molecular diversity and evolution of bat group C betacoronaviruses: implications on the origin of the novel human group C betacoronavirus	815,412
Dr. L. Liu	Microbiology	Molecular mechanisms of Nef mediated regulation of PD-1 expression during HIV/SIV infection	997,992
Dr KH Sze	Microbiology	Characterization of Staphylococcus aureus virulence factor EsxA and structure-based screening of EsxA's inhibitors for combating methicillin-resistant Staphylococcus aureus (MRSA)	838,184
Dr. K.K.W. To	Microbiology	Identification of innate immune defect predisposing to severe influenza in a Chinese population	494,892

Dr H Tse	Microbiology	Molecular characterization of antibiotic resistance in Staphylococcus lugdunensis isolates	335,520
Dr. H. Wang	Microbiology	Further optimization of live viral vector for HIV vaccine research.	947,120
Dr WHC Li	Nursing	Effectiveness of an Integrated Adventure-Based Training and Health Education Programme in Promoting the Adoption and Maintenance of Regular Physical Activity Among Childhood Cancer Survivors	726,383
Professor AFY Tiwari	Nursing	A Randomized, Wait-list Controlled Trial of a Qigong Intervention Program on Telomerase Activity and Psychological Stress in Abused Chinese Women	995,224
Dr. K.W. Cheung	Obstetrics & Gynaecology	A multi-center prospective study on the evaluation of paternal, maternal and obstetric factors leading to the hepatitis B immunization failure in Hong Kong	973,746
Professor JSM Lai	Ophthalmology	Randomized control trial on the neuroprotective effects of oral Wolfberry supplement in the treatment of normal tension glaucoma	937,976
Professor DSH Wong	Ophthalmology	Diabetic retinopathy screening for specialist care	683,960
Dr YHI Wong	Ophthalmology	To improve the current screening programme for diabetic macular oedema	705,644
Dr. F.K.L. Leung	Orthopaedics & Traumatology	The effectiveness of a multidisciplinary approach to geriatric hip fractures on improving clinical outcomes and cost of care	72,475
Professor Y.F. Cheung	Paediatrics & Adolescent Med	Circulating MicroRNAs and Myocardial Damage in Paediatric Cancer Patients Receiving Anthracycline Therapy	832,754
Dr CB Chow	Paediatrics & Adolescent Med	Measuring the burden of fatal and nonfatal injury in Hong Kong	885,172
Dr CB Li	Paediatric & Adolescent Medicine	The role of c-Myc in anti-mycobacterial responses: from bacterial killing to T cell activation	999,880
Dr. W. Tu	Paediatrics & Adolescent Med	Antiviral Activity of Human $\gamma\delta$ -T cells against Enterovirus 71	1,000,000
Dr W Yang	Paediatrics & Adolescent Med	Molecular diagnosis for severe combined immunodeficiencies (SCID) using whole exome sequencing	980,868
Dr KK Chan	Pathology	iASPP and autophagy - novel molecular targets for ovarian clear cell carcinoma.	996,568
Professor ANY Cheung	Pathology	p53 related proteins and gestational trophoblastic disease	998,360
Professor ANY Cheung	Pathology	Placental biology of Down Syndrome in relation to increased gene dosage	998,544

Dr. Y.T. Chiu	Pathology	Analysis of hepatitis B virus genomic integration and characterization of its role in hepatocarcinogenesis	1,000,000
Dr. K.W. Lee	Pathology	Hepatitis B virus promotes hepatocarcinogenesis and stemness through Nanog regulation	804,280
Professor L. Lu	Pathology	B-1 cell response and its regulation during influenza virus infection	980,000
Professor J.M. Nicholls	Pathology	Molecular determinants of H9N2 virus haemagglutinin and neuraminidase affecting virus tropism for the human and swine respiratory tract	754,568
Dr CCL Wong	Pathology	Hepatitis B virus infection promotes hepatocellular carcinoma through HIF-1 α /LOXL2 pathway	939,280
Dr. G.W. Wong	Pathology	Cellular functions and potential clinical application of miR-143 in cervical cancer	991,568
Dr MP Wong	Pathology	Identification of cancer metastasis and drug resistance pathways through comparison of primary and metastatic lung adenocarcinomas by next generation sequencing analysis	1,000,000
Dr. J.W.P. Yam	Pathology	Role of caveolin-1 in hepatitis B virus-induced hepatocarcinogenesis	977,452
Dr PCL Kwok	Pharmacology & Pharmacy	Inhalable macromolecule dry powder for asthma treatment in children	80,000
Dr. J.K.W. Lam	Pharmacology & Pharmacy	Intranasal Delivery of DNA Vaccine using Oligochitosan/PLGA Nanoparticles	322,000
Dr. S.W.S. Leung	Pharmacology & Pharmacy	Therapeutic potential of herbal flavonoids in the management of chronic obstructive pulmonary disease	938,360
Professor ICK Wong	Pharmacology & Pharmacy	Mother's preferences and willingness to pay for human papillomavirus vaccination for their daughters: a discrete choice experiment in Hong Kong	378,040
Dr D Ye	Pharmacology & Pharmacy	Lipocalin-2 in acute and chronic liver diseases: focusing on neutrophil-mediated innate immune responses	765,624
Dr KW Chan	Psychiatry	Treatment resistant following the first-episode schizophrenia-spectrum disorder: a retrospective case-control study	799,952
Dr KW Chan	Psychiatry	Psychotic-like experiences (PLEs) in the general population of Hong Kong: a two-year prospective follow up study	877,352
Dr WC Chan	Psychiatry	A randomised controlled trial of home-based exercise intervention for caregivers of persons with dementia	998,160
Professor EYH Chen	Psychiatry	Five-year follow-up of a randomized controlled trial of the duration of early intervention for psychosis: 2 years vs. 3 years	518,400
Professor EYH Chen	Psychiatry	Predicting treatment response in first-episode psychosis	999,680

Dr M Li	Psychiatry	Statistical method to identify risk genes of complex diseases based on functional gene sets and networks, with a genetic data mining application to hepatocellular carcinoma	999,990
Dr SM Tang	Psychiatry	A transethnic meta-analysis of genome-wide association studies for Hirschsprung disease	78,800
Dr. M.C.W. Chan	Public Health	Tropism of the novel human betacoronavirus lineage C virus in human ex vivo and in vitro cultures, as an assessment of its potential transmissibility and pathogenesis in humans	999,860
Dr. W.Y. Chan	Public Health	Influenza B viruses in swine: Virus tropism in swine respiratory organ explant cultures and sero-epidemiology.	999,630
Dr BJ Cowling	Public Health	Influenza virus epidemiology in households of school-age children, 2013-14	999,000
Dr BJ Cowling	Public Health	A community-based longitudinal seroepidemiological study of influenza virus infections in Hong Kong in 2013-14	999,804
Dr BJ Cowling	Public Health	Efficacy of Face Masks to Prevent Respiratory Virus Transmission	1,000,000
Dr. S.A. Doak	Public Health	Understanding vaccine induced T cell protection from influenza viruses	997,164
Professor R Fielding	Public Health	A Longitudinal Study of Chinese Parental Decision Making on HPV Vaccination for Adolescent Girls	927,546
Dr MK Kwok	Public Health	Unravelling secular trends of blood pressure in children and adolescents in Hong Kong: information for action	614,350
Dr. W.W.T. Lam	Public Health	Comparison the meanings of living with advanced breast cancer between women resilient to distress and women with persistent distress: A qualitative study	320,252
Dr EHY Lau	Public Health	Symptom-specific health-seeking behavior of common infectious diseases in Hong Kong and implications in disease control and surveillance	921,680
Dr Q Liao	Public Health	Parents' risk perceptions and protective responses regarding varicella, scarlet fever and hand, foot and mouth disease in Hong Kong: a multi-group longitudinal survey	598,348
Professor JSM Peiris	Public Health	Host responses that correlate with respiratory droplet transmission of swine-origin influenza viruses in ferrets	970,496
Dr. C.M. Wong	Public Health	Impact of increased influenza and pneumococcal vaccine coverage on the burden of influenza in the elderly: a comparison between Hong Kong and Brisbane.	760,060
Dr P Wu	Public Health	Impact and severity profiles of respiratory viruses in children in Hong Kong	771,396

Dr YW Chan	Surgery	The use of Epstein-Barr virus (EBV) encoded microRNA in supplement with EBV DNA as serological marker in screening undifferentiated nasopharyngeal carcinoma patients	979,443
Dr W.C. Cheng	Surgery	Role of adducin3 in the pathogenesis of biliary atresia and in the development of the hepatobiliary system	68,260
Dr PFY Cheung	Surgery	The role of NKG2D-MICA on NK cell immunosurveillance of hepatocellular carcinoma	80,000
Dr ST Cheung	Surgery	The roles of drug transporters on chemo-resistance and stem-like cell properties in liver cancer	938,360
Dr. M.M. Garcia-Barcelo	Surgery	Uncovering the genetic lesions underlying the most severe form of Hirschsprung (HSCR) disease by whole genome sequencing (WGS): a pilot study in 10 family trios	1,000,000
Dr A Kwong	Surgery	Screening of founder and recurrent BRCA mutations in Hong Kong and US Chinese populations	828,360
Dr. V.C.H. Lui	Surgery	Functional genetics study to unravel the genetic background of a complex neurodevelopmental disorder namely Hirschsprung Disease	900,775
Dr K Man	Surgery	The role of alternative-activated macrophages (M2 macrophages) on tumor growth and metastasis in hepatocellular carcinoma	983,500
Dr K Man	Surgery	Role of human cytomegalovirus-triggered immune response in graft injury after living donor liver transplantation	999,860
Dr. E.S.W. Ngan	Surgery	Potential use of patient specific induced-pluriopotent stem cell (iPSC) to define genetic lesions contributing to the disease phenotypes of syndromic Hirschsprung (HSCR)	989,760
Professor P.K.H. Tam	Surgery	Whole exome sequencing to uncover genetics variants underlying Congenital Cystic Adenomatoid Malformations	881,425
Dr X Wang	Surgery	Potential anti-tumor and anti-metastasis efficacy of novel Notch inhibitor (PF-03084014) in liver cancer models	850,016
Dr. C.W. Yip	Surgery	Interaction of granulin-epithelin precursor with heparan sulfate on activation of signaling pathways in hepatocellular carcinoma	80,000

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr K.W. Cheung	AIDS Institute	Type of cell death and related mechanisms for gut homing CD4 T cells during human immunodeficiency virus-1 (HIV-1) infection	954,466
Dr K.L.A. Cheung	AIDS Institute	Human cytomegalovirus and human immunodeficiency virus type 1 co-infection of CD34+ Myeloid Progenitor Cells	999,208
Dr Y.P. Ching	Anatomy	HBx oncoprotein induces chromosome instability in hepatocarcinogenesis via dysregulation of centrosome duplication regulatory proteins, TAX1BP2	944,640
Dr W. Deng	Anatomy	Role of Bmi-1 in the persistence of Epstein-Barr virus (EBV) in nasopharyngeal epithelial cells	834,704
Dr C.M. Tsang	Anatomy	The biological significance of TGF- β 1 in sensitizing the nasopharyngeal epithelial cells to EBV infection	788,704
Dr D. Jin	Biochemistry	Roles of CRTC coactivators in hepatitis B virus X protein-mediated activation of CREB-dependent transcription	953,592
Dr D. Jin	Biochemistry	Roles of Epstein-Barr virus encoded miR-BART microRNAs in viral persistence and transformation of epithelial cells	953,592
Dr K.H. Kok	Biochemistry	Role of PACT in host antiviral defense against influenza A virus	1,000,000
Dr S.K.Y. Ma	Clinical Oncology	Hepatitis B virus promotes hepatocarcinogenesis through induction of CD133+ cancer stem cells / tumor-initiating cells	781,288
Dr Y.H. Chan	Community Medicine	Mendelian Randomization to Causally Infer the Impact of Life-Long Vitamin D Deficiency on Cardiovascular Disease and Death: Implications for Community-Based Cardiovascular Prevention	999,000
Dr B.J. Cowling	Community Medicine	A community-based study of respiratory virus infections	999,544
Professor R. Fielding	Community Medicine	Can family decision-making about adolescent HPV vaccination inform our understanding of future vaccine uptake? --A qualitative study on Hong Kong Chinese families	195,290
Dr D.K.M. Ip	Community Medicine	Workplace productivity losses related to acute upper respiratory tract infections among health care workers in Hong Kong	495,704
Professor T.H. Lam	Community Medicine	A school-based survey on adolescent alcohol drinking in Hong Kong	531,700
Dr H. Nishiura	Community Medicine	Real-time forecasting of infectious disease epidemics	547,372
Dr O.L. Wong	Community Medicine	Disease burden of breast cancer in Hong Kong: an exploration of trends for screening policy and resource allocation	371,260

Dr O.L. Wong	Community Medicine	Informed decision making (IDM) for early breast cancer detection practices among Hong Kong Chinese women: The role and function of a decision aid	299,473
Dr L. Yang	Community Medicine	Temporal antigenic variation of influenza viruses and its impact on seasonal transmission of influenza: A multidisciplinary study linking epidemiology and genetic data in Hong Kong	717,856
Dr S.W. Yoon	Community Medicine	Understanding underage drinking motivations and contexts in Hong Kong: a qualitative analysis	190,176
Professor T.P. Lam	Family Medicine & Primary Care	What are the enablers and barriers of help-seeking among the psychologically distressed in primary care setting? - Promoting mental well-being in Hong Kong	602,400
Professor W.K. Leung	Medicine	A prospective randomized trial to compare the safety and efficacy of intradermal and intramuscular influenza vaccines in patients with inflammatory bowel disease in Hong Kong	378,118
Dr W.K.W. Seto	Medicine	Risk of Hepatitis B Reactivation after Hematopoietic Stem Cell Transplantation in Donors and Recipients with Prior HBV Exposure	951,960
Dr D.K.H. Wong	Medicine	Mutational analysis of the hepatitis B core protein DNA-binding domain and its role in HBV transcription regulation	997,880
Dr Z. Chen	Microbiology	Novel Secretory immunoadhesins for HIV Prevention	994,796
Dr M.L. Yeung	Microbiology	Dissecting the roles of tryptophanyl-tRNA synthetase and other host factors contributory to Enterovirus 71 (EV71) replication	998,288
Dr M. Zhang	Microbiology	A novel strategy for prevention and treatment of HIV-1 infection	998,088
Dr J. Zhou	Microbiology	Exploring the role of CD55 in the pathogenesis of influenza virus A infection	1,000,000
Professor H.Y.S. Ngan	Obstetrics & Gynaecology	Clinical application and functional characterization of HPV-related microRNAs in cervical cancer	666,600
Dr W.Y. Chan	Pathology	The application of swine and human respiratory organ explant cultures to investigate inter-species transmission of avian influenza viruses to swine and humans	999,216
Professor I.O.L. Ng	Pathology	Dissecting the gender disparity of hepatocellular carcinoma: Roles of HBV X protein and androgen receptor	604,000
Dr M.P.S. Lam	Pharmacology & Pharmacy	An evaluation of the prescribing appropriateness of Hong Kong elderly and the prevalence of preventable drug related admissions to hospital	69,990
Professor E.Y.H. Chen	Psychiatry	Long-term outcome and relapse prevention following first episode psychosis	991,712
Dr K.F. Chung	Psychiatry	Combined Electroacupuncture and Auricular Acupuncture for Primary Insomnia: A Randomized Controlled Trial of Dose-Response Effect	997,250

Dr Z. Zhang	School of Chinese Medicine	Does concomitant use with Chinese medicine alter pharmacokinetic and toxicological profiles of antipsychotic drugs in experimental rats? Implication for herb-drug interactions	911,816
Dr A.M. Tarrant	School of Nursing	Increasing uptake of influenza vaccine among pregnant women: A randomized controlled trial	497,684
Dr L.L. Hui	School of Public Health	Prenatal exposure to dioxins and subsequent neurocognitive and developmental function in Hong Kong Chinese children	724,775
Dr L.L. Hui	School of Public Health	Does formula-feeding increase the risks of type 2 diabetes among Hong Kong adolescents?	891,165
Dr L.L. Hui	School of Public Health	Migration and cardiovascular disease risks in Hong Kong adolescents	474,350
Dr L.L.M. Poon	School of Public Health	Generation of live attenuated influenza viruses of vaccine potential by using codon usage bias	994,696
Dr J. Wang	School of Public Health	Infectivity and Transmissibility Study of Avian H9N2 Influenza Viruses in Pigs	990,000
Dr H. Yen	School of Public Health	Applying glycan array to determine neuraminidase substrate specificity of pandemic H1N1 and swine H1N1 influenza viruses	970,864

2010/11

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr L.L. Hui	Community Medicine	Early origin of socio-economic disparity of cardiovascular disease risks in Hong Kong	438,785
Dr O.L. Wong	Community Medicine	Optimizing resource allocation for breast cancer prevention and care in Hong Kong Chinese: A generalised cost-effectiveness analysis	352,120
Professor D.S.H. Wong	Eye Institute	Prioritising patients using quality of life and visual acuity: how should we select and prioritise patients for cataract surgery?	536,883
Dr W. Wong	Family Medicine and Primary Care	Morbidity and management patterns of Traditional Chinese Medicine (TCM) primary care in Hong Kong	832,294
Ms. A.Y.K. Lai	Medicine	Long-term efficacy of an extended education programme on improving treatment adherence to continuous positive airway pressure in obstructive sleep apnea	75,971
Professor C.B. Chow	Paediatrics & Adolescent Medicine	Use of Internet marketing in promotion of smoking cessation among Hong Kong adolescents	696,008
Dr Z. Zhang	School of Chinese Medicine	Te herbal medicine PeonyGlycyrrhiza Decoction (PGD) as an adjuncti	999,332
Dr F.W. Ngai	School of Nursing	The effect of a telephone-based cognitive-behavioral intervention on postnatal depression: a randomized controlled trial	756,676
Dr. A.F.Y. Tiwari	School of Nursing	A purpose-built intervention to enhance the mental health of Mainland Chinese immigrant women survivors of intimate partner violence: A randomized controlled trial	800,000

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr L. Liu	AIDS Institute	Identification of small molecule HIV-1 inhibitors with distinct new targets	933,632
Dr L. Liu	AIDS Institute	The role of HIV-1/SIV Nef in immune activation through regulating the expression of PD-1 and delta-PD-1	973,632
Dr. K.H. Kok	Biochemistry	Modulation of RIG-I virus sensor by an Epstein-Barr virus-encoded microRNA	1,000,000
Dr Y. Song	Biochemistry	In silico identification of genetic variants affects resistance to Infection of influenza virus A	956,800
Dr V.H.F. Lee	Clinical Oncology	Host, Salivary, Virulent and Molecular Attributes to the Development of Oral Candidiasis During Intensity Modulated Radiation Therapy (IMRT) for Nasopharyngeal Carcinoma (NPC) – A Prospective Study	867,376
Dr. B.J. Cowling	Community Medicine	The epidemiology of influenza in households of school-age children	999,700
Dr. B.J. Cowling	Community Medicine	Vitamin D and risk of influenza in children and adults in Hong Kong	612,372
Professor R. Fielding	Community Medicine	Communication of influenza information, parents' decision making and childhood vaccination uptake against seasonal influenza in Hong Kong	486,452
Dr. D.K.M. Ip	Community Medicine	Development and evaluation of an electronic school absenteeism system for influenza-like-illness surveillance in Hong Kong	317,872
Dr. D.K.M. Ip	Community Medicine	A Randomised Controlled Trial of Traditional Chinese Medicine for influenza prophylaxis in elderly residential care homes in Hong Kong	994,616
Dr K.O. Kwok	Community Medicine	Longitudinal study of the temporal changes of contact patterns of individuals in Hong Kong	998,704
Dr. J.T.K. Wu	Community Medicine	Estimating the epidemic curve of influenza among healthy adults in Hong Kong during 2010-2011 Phase 1: Pandemic influenza A/H1N1	702,376
Dr L. Yang	Community Medicine	Estimation of excess mortality and hospitalization associated with pandemic influenza 2009	398,440
Dr M.C.W. Chan	Microbiology	Role of indirubin-3'-oxime as an antiviral and immunomodulatory agent in the treatment of severe human influenza virus infection	978,704
Dr Z. Chen	Microbiology	A Novel Vaccine for Tuberculosis Prevention	994,563
Dr L.L. Teng	Microbiology	Automated identification of medically important bacteria by 16S rRNA sequencing using a novel comprehensive database 16SpathDB	74,735
Dr C.Y. Yip	Microbiology	Complete genome sequence analysis of human enterovirus 71 strains from 2004 to 2010 in Hong Kong	80,000

Dr M. Zhang	Microbiology	Reconstitution and Characterization of HIV-specific Antibody Repertoires in vitro: Implications for Passive Immunization	999,632
Professor B. Zheng	Microbiology	A feasibility study on anti-H5N1 influenza viral infection using aptamers targeting viral nucleoprotein	947,520
Dr C.B. Li	Molecular Chinese Medicine Laboratory	A role for proto-oncogene in antibiotics-sensitive and -resistant bacteria induced immune responses: a potential building block for the new treatment development	999,452
Professor A.S.Y. Lau	Paediatrics and Adolescent Medicine	Cellular Oncogene Dysregulation of Chemokine and Cytokine Expression in Influenza Virus Infection	884,660
Professor A.S.Y. Lau	Paediatrics and Adolescent Medicine	Discovery and Validation of antiviral small-molecule inhibitors for influenza virus replication	992,000
Dr W. Tu	Paediatrics and Adolescent Medicine	Immune Evasion of Natural Killer Cells for Influenza Virus in Vivo	989,490
Dr W.Y. Chan	Pathology	Neutrophil mediated host-responses during influenza A virus infection in humans and the use of heparan oligosaccharides as a therapeutic agent.	875,948
Dr J.K.W. Lam	Pharmacology and Pharmacy	The investigation of antimicrobial peptide as novel therapy for mycobacterium tuberculosis	80,000
Dr A. Kwong	Surgery	An investigation into the presence of human papilloma virus (HPV) in breast cancer specimens from Hong Kong patients.	80,000

2009/10

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Professor R. Fielding	Community Medicine	Perceptions of cancer risk and self-care practices: A comparison of groups at different risk for cancers	682,630
Dr. L.L. Hui	Community Medicine	Infant growth and pubertal adiposity association - implications to future cardiovascular health and immunological benefits	572,418
Dr. W.W.T. Lam	Community Medicine	A longitudinal study of psychosocial needs, physical symptom distress, and psychological distress of Chinese patients with colorectal cancer	560,540
Dr. C.M. Schooling	Community Medicine	Projecting IHD mortality and morbidity in Hong Kong: a model for policy and planning	369,380
Dr. C.M. Wong	Community Medicine	A simulation study for a method to determine life expectancy change due to air pollution from time series data	472,880
Professor C.L.K. Lam	Family Medicine and Primary Care	A Study on Health-related Quality of Life of patients with Colorectal Neoplasm and Cost-Effectiveness Analysis of Colorectal Cancer Screening in Hong Kong	666,288
Professor S.S.C. Chan	Nursing Studies	A randomized controlled trial of a tailored intervention compared to usual care on smoking type 2 diabetic patients to promote smoking cessation and improve glycaemic control"	1,000,000
Dr. S.S.K. Leung	Nursing Studies	Randomized Controlled Trial of a Brief Group Intervention Using Cognitive-behavioral Approach to Reduce Postnatal Depressive Symptoms	547,035
Dr. Y.P. Leung	Nursing Studies	Prevalence and characteristics of hardcore smokers in Hong Kong	74,972
Dr. K.F. Chung	Psychiatry	A randomized controlled trial of electroacupuncture for persistent insomnia symptoms associated with major depressive disorder	886,972

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. D. Jin	Biochemistry	Modulation of cell signaling by human coronavirus HKU1 S and M proteins	800,000
Dr. D. Jin	Biochemistry	Mapping of peptide sequence in swine-origin H1N1 influenza virus hemagglutinin associated with the induction of anti-ganglioside antibodies implicated in Guillain-Barre syndrome: a pilot study	508,872
Dr. K.H. Kok	Biochemistry	Inhibition of RIG-I-dependent innate immunity by herpes simplex virus type 1 Us11 protein	828,032
Dr. J.J. Wang	Biochemistry	A Novel Hidden Markov Model to Predict microRNAs and their Targets Simultaneously and its Application to the Epstein-Barr virus	982,485
Dr. B.J. Cowling	Community Medicine	Influenza-like illness and viral aetiology in Hong Kong children	994,837
Dr J.M. Johnston	Community Medicine	Is there a measurable difference in performance in ACHS certified hospitals compared with WHO-ICCET hospitals in Hong Kong?	211,160
Professor S. Lok	Genome Research Centre	Generation of ferret (<i>Mustela putorius furo</i>) genomic resources for respiratory infectious disease research: Transcriptomics and comprehensive characteriation of cDNAs in a model of influenza infection	980,490
Dr. M.C.W. Chan	Microbiology	Experimental models to study the impact of cigarette smoking on the tropism of the highly pathogenic avian influenza H5N1 virus in human respiratory tract	909,862
Dr. P.Y. Hui	Microbiology	Role of retinoic acid inducible gene-I, toll-like receptor-3 and -8 in cytokine induction by influenza A H5N1 and pandemic H1N1 viruses in primary human cells	995,836
Dr. J. Zhou	Microbiology	A feasibility study on the inhibition of respiratory syncytial virus infection using siRNAs with a unique motif	939,166
Dr. A.M. Tarrant	Nursing Studies	Prevalence of maternal immunization with seasonal influenza vaccine in Hong Kong	445,188
Dr. W.Y. Chan	Pathology	The biological and genetic determinants of seasonal influenza A virus replication in the lower respiratory tract	936,436
Dr. L. Lu	Pathology	The role of IL-17 in modulating B cell functions during anti-viral immunity against H5N1 influenza infection in mice	907,376

2008/09

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. B.J. Cowling	Community Medicine	A cost-effectiveness analysis of Helicobacter pylori screening for gastric cancer in Hong Kong Chinese: a decision analytic approach	437,600
Dr. M. Heys	Community Medicine	Infant and childhood growth and blood pressure in adolescence	244,132
Dr. W.W.T. Lam	Community Medicine	The effect of decision aids on treatment decision making for breast cancer surgery: A randomized controlled trial	411,224
Dr. C.M. Schooling	Community Medicine	Does infant or childhood obesity lead to adolescent depression?	261,379
Prof. A.W.C. Kung	Medicine	Cost-Effective Osteoporosis Intervention Thresholds for Hong Kong Southern Chinese Postmenopausal Women	134,296
Dr. W.H.C. Li	Nursing Studies	The effectiveness of therapeutic play on pre-and post-operative anxiety and emotional responses of Hong Kong Chinese Children having elective surgery: a randomized controlled trial	416,906
Dr. A.M. Tarrant	Nursing Studies	A randomized controlled trial of a professional breastfeeding support intervention to increase the exclusivity and duration of breastfeeding	559,125
Dr. K.M.C. Cheung	Orthopaedics & Traumatology	Cardiovascular risk factors associated with intervertebral disc degeneration/low back pain	559,636

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. Z.W. Chen	AIDS Institute	Characterization of novel anti-HIV/TB natural product analogues	800,000
Dr. R.C.C. Chang	Anatomy	Investigating the efficacy of minocycline as neuroprotective agent against cytokine storm-mediated neurotoxicity. Implication of novel clinical treatment for patients with influenza/Avian flu	800,000
Dr. Y.P. Ching	Anatomy	Hepatitis B virus promotes hepatocarcinogenesis by activation of Pak1	666,610
Prof. R. Fielding	Community Medicine	Behavioural changes in relation to risk perception and prevention of avian and human influenza in Hong Kong	284,836
Dr. E.H.Y. Lau	Community Medicine	The transmission of tuberculosis in Hong Kong: role of demographic factors and relative contribution of primary infection, exogenous reinfection and endogenous reactivation	603,448
Dr. C.M. Wong	Community Medicine	Effect modifications of lifestyle factors on risk of mortality associated with influenza in an elderly cohort	333,880
Dr. J.T. Wu	Community Medicine	Modeling the spread and real-time surveillance of antiviral resistance during the next influenza pandemic: local and global considerations	798,986
Dr. T.P. Lam	Family Medicine Unit, Medicine	Attitudes, beliefs and knowledge concerning antibiotic use and resistance of the general public in Hong Kong: A combined qualitative and quantitative study	478,924
Dr. D.K.H. Wong	Medicine	Application of COLD-PCR sequencing for the early detection of HBV antiviral drug resistance mutations	566,624
Prof. M.F. Yuen	Medicine	Virological and clinico-pathological factors in estimating the chance of recurrence of hepatocellular carcinoma after surgical resection in patients with chronic hepatitis B	699,110
Dr. B. Zheng	Microbiology	Cross-protective efficacy of immunization with different forms of M2 vaccines and their combinations with HA vaccines against highly pathogenic H5N1 influenza A viruses in mice	800,000
Dr. B. Zheng	Microbiology	Co-administration of antiviral and anti-inflammatory agents against avian influenza virus H5N1 infection in animal model	800,000
Prof. A.S.Y. Lau	Paediatrics and Adolescent Medicine	Cellular response to Influenza Virus infection: effect of Autophagy versus Apoptosis on virus replication	799,900
Prof. A.S.Y. Lau	Paediatrics and Adolescent Medicine	Factors affecting mycobacteria evasion of immunity: effects of HIV on cellular signaling and kinases	797,400
Dr C.B. Li	Paediatrics and Adolescent Medicine	Enhancement of innate immunity to mycobacterial infection: anti-mycobacterial effect of IL-17	789,600

2007/08

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. D.S.Y. Ho	Community Medicine	Two-year follow-up of the Hong Kong student obesity surveillance project (HKSOS) on trends and predictors of adolescent obesity and related behaviours	504,141
Dr. S. McGhee	Community Medicine	The cost-effectiveness of screening for diabetic retinopathy in Hong Kong	800,000
Dr. C.M. Schooling	Community Medicine	Is moderate alcohol use causally protective against cardiorespiratory disease?	356,780
Dr. C.M. Schooling	Community Medicine	Are the 2006 world health organisation standards for infant growth applicable to Hong Kong Chinese? Universalistic standards or epidemiologic transition stage-specific norms	74,544
Dr. A.W.K. Tso	Medicine	A population-based prospective study to investigate the association of obesity and adipokines with the incidence of cardiovascular disease and cancer	771,600
Dr. A.Y.M. Wang	Medicine	An epidemiologic survey of Vitamin D deficiency in Chinese patients with moderate to severe chronic kidney disease	200,000
Dr. Z.J. Zhang	School of Chinese Medicine	A single-blind, randomized, sham controlled study of electroacupuncture in accelerating the onset of antidepressant action of selective serotonin reuptake inhibitors via serotonergic mechanisms	762,496

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. J.D. Huang	Biochemistry	Toward a bioshield against influenza virus infection by commensal bacteria secreting antiviral peptide	800,000
Dr. Y.Q. Song	Biochemistry	Fine mapping candidate loci for nasopharyngeal carcinoma (NPC) in the southern Chinese-specificity linked to the EBV etiopathogenesis	750,812
Dr. B.J. Cowling	Community Medicine	Viral shedding, natural clinical history and transmissibility of influenza	551,400
Dr. E.H.Y. Lau	Community Medicine	Digital dashboard design for public health surveillance	304,948
Dr. S. Riley	Community Medicine	Measuring viral evolution from one generation of human influenza infection to the next	795,660
Dr. A.Y.H. Leung	Medicine	Detection of WU and KI polyomaviruses from patients with acute respiratory tract infections in Hong Kong	799,544
Dr. D.K.H. Wong	Medicine	Identification of hepatitis B virus DNA polymerase sequences to predict virological response to entecavir therapy	583,052
Dr. C.W.M. Chan	Microbiology	Effect of vitamin B2 in the treatment of human influenza H5N1 virus infection studies: in vitro and in vivo	799,584
Dr. M.Y. Lee	Microbiology	Direct identification and quantification of host and viral microRNAs after influenza infection using the next generation ultra-high throughput DNA sequencer	806,240
Prof. K.Y. Yuen	Microbiology	Molecular epidemiological investigation of PARV-4-related viruses in HK and southern China	466,828
Dr. J. Nicholls	Pathology	Susceptibility of the upper respiratory tract to influenza virus infection following desialylation	745,568

2006/07

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Prof. R. Fielding	Community Medicine	Psychosocial and physical outcomes after surgery for breast cancer: a five to six year follow-up and exploration of consultation factors	149,155
Prof. R. Fielding	Community Medicine	Determinants of public perceptions of air pollution risk and related pro-environmental behaviours in Hong Kong	389,640
Dr A.J. Hedley	Community Medicine	Risks from passive smoking by workers in the catering industry	615,952
Dr D.S.Y. Ho	Community Medicine	A retrospective cohort study on the risk factors and outcomes of childhood obesity in Hong Kong	40,737
Dr C.M. Wong	Community Medicine	A study for effects of poor visibility on hospitalization in Hong Kong	306,360
Professor C.L.K. Lam	Medicine	Health-related quality of life and health preference of patients with chronic hepatitis B infections	400,209
Dr S.S.C. Chan	Nursing Studies	A proactive family smoking cessation intervention for parents of children 0-18 months: a randomized controlled trial	523,478
Dr M. Tarrant	Nursing Studies	Changing infant feeding models: impact of cessation of complimentary infant formula in public hospitals on the duration and exclusivity of breastfeeding	321,484

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr J.D. Huang	Biochemistry	Development of bacteria-mediated oral vaccine against highly pathogenic avian influenza viruses for veterinary use	800,000
Dr B.J. Zheng	Microbiology	A pilot study for development of anti-influenza A compounds	800,000
Dr B.J. Zheng	Microbiology	Study of AAV- and peptide-based vaccine candidates against avian influenza virus H5N1 infection in animal model	800,000
Dr W. Tu	Paediatrics & Adolescent Medicine	Humanized mouse as a model to study the antiviral activity of human gammadelta-T cells against human and avian influenza A viruses in vivo	789,648
Prof. A.N.Y. Cheung	Pathology	Integrated human papilloma virus analysis as adjunct for triage of atypical cervical cytology	798,923

2005/06

HHSRF

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. R. Fielding	Community Medicine	The prevalence of chronic pain, fatigue, and insomnia in the general population of Hong Kong	585,148
Prof T.H. Lam	Community Medicine	A 3-year follow-up study of the Hong Kong Population Health Survey cohort on overweight and obesity and its related behavioural factors	754,268
Dr. S.M. McGhee	Community Medicine	The economic burden of diabetes related to excess body weight in Hong Kong present and future	177,896
Dr. S.M. McGhee	Community Medicine	The impact of smoke-free policies on population health outcomes	527,104
Dr. A. Tiwari	Nursing Studies	A RCT to test the effectiveness of a telephone intervention to improve the mental health of community dwelling women abused by their intimate partners	655,560

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Prof V Chan	Medicine	Hepatitis B virus array for genotyping and mutation detection	800,000
Dr. C.K. Hui	Medicine	Significance of occult hepatitis B infection in patients undergoing autologous HSCT	751,404
Dr. M.C.W. Chan	Microbiology	Replication and pathogenesis of avian influenza A (H5N1) viruses in polarized human bronchial and alveolar epithelium	799,378
Dr. Y Guan	Microbiology	Genetics characterization of H9N2 influenza viruses in southern China	606,428
Dr. M.Y. Lee	Microbiology	Role of cyclooxygenase-2 (COX-2) in influenza A (subtype H5N1) viral pathogenesis and the potential use of its inhibitors for the therapy of H5N1 disease	743,648
Dr. B.J. Zheng	Microbiology	Study of a novel vaccine against avian influenza virus H5N1 infection	800,000
Dr. M Tarrant	Nursing Studies	Impact of breastfeeding on hospitalizations from infectious diseases in Hong Kong Chinese children up to eight years of age	257,300
Dr. A.S.Y. Lau	Paediatrics and Adolescent Medicine	HIV as a cofactor of mycobacterial infections : suppression of cellular antibacterial effects	781,852
Prof A.N.Y. Cheung	Pathology	Cervical cancer screening by enhanced cervical cytology - Application of novel markers	774,251

2004/05

HHSRF

Nil

RFCID

Principal Investigator	Department	Project Title	Amount Awarded HK\$
Dr. R.C.C. Chang	Anatomy	Roles of neuroprotective agents from Western and Chinese medicine in double-stranded RNA-induced neuronal apoptosis and glial immune responses. Implication for Japanese Encephalitis	805,000
Dr. L.Y.F. Wong	Medicine	Mechanism of the modulation of cytokine responses by adrenomedullin and adrenomedullin binding protein-1 in macrophages: a novel pathway in sepsis with therapeutic implications	537,236
Dr. M.C.W. Chan	Microbiology	Primary human lung epithelial cells as an in-vitro model to study the pathogenesis of SARS coronavirus infection.	800,648
Dr. P.L. Ho	Microbiology	Antimicrobial resistance among uropathogens causing well-defined episodes of uncomplicated cystitis among adult women in primary care settings	451,744
Dr. P.C.Y. Woo	Microbiology	Random exploration of the <i>Laribacter hongkongensis</i> genome	509,354
Professor H.Y.S. Ngan	Obstetrics and Gynaecology	Study of human papillomavirus status in Southern Chinese women with normal cervix, precancerous cervical lesions and cervical cancers	804,954
Professor I.O.L. Ng	Pathology	Characterization of the roles of hepatitis B virus X protein in liver cancer using RNA interference	800,000