

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

2013 Health and Medical Research Fund (HMRF) Funded Projects

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 (Lycium barbarum 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

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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

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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

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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