

**Investigator-initiated Projects
Approved Projects since 2016-17
(as at 30 Nov 2021)**

Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18190051	Can baseline MRI in early rheumatoid arthritis (ERA) patients predict structural damage at six years?	Prof James Francis GRIFFITH	The Chinese University of Hong Kong	1,271,042.00	2019	2021-22
18190061	Supportive care needs and telehealth-related perceptions as determinants of intention to use telehealth for supportive oncology care among recently-diagnosed breast cancer survivors	Dr Nelson YEUNG Chun-yiu	The Chinese University of Hong Kong	576,157.00	2019	2021-22
18190131	Long-term exposure to ambient air pollution and intermediate health outcomes: a cohort study with 55,000 Hong Kong residents	Prof LAO Xiang-qian	The Chinese University of Hong Kong	1,423,381.00	2019	2021-22
18190151	Effects of immersive virtual reality for alleviating anxiety, nausea and vomiting among paediatric cancer patients receiving their first chemotherapy: a randomized controlled trial	Dr WONG Cho-lee	The Chinese University of Hong Kong	983,851.00	2019	2021-22
18190221	Gut microbiota in major depressive disorders with and without rapid eye movement behaviour disorder: tracing a subtype of depression with underlying neurodegeneration	Prof WING Yun-kwok	The Chinese University of Hong Kong	1,104,304.00	2019	2021-22
18190241	The impact of cognitive behavioral therapy for insomnia (CBT-I) on glycemic control in older type 2 diabetes (T2D) comorbid with insomnia	Prof Alice KONG Pik-shan	The Chinese University of Hong Kong	1,484,694.00	2019	2021-22
18190321	A pilot study on developing a one-step thawing method on human blastocysts with transcriptomic and methylomic comparison to conventional vitrified-thawing method	Dr CHAN Yiu-Leung	The Chinese University of Hong Kong	929,940.00	2019	2021-22
18190361	Psychometric properties and social patterning of a cantonese version of the 36-Item patient-centered primary care (PCPC) instrument for multimorbid patients: an item response theory approach	Prof Benjamin YIP Hon-kei	The Chinese University of Hong Kong	99,925.00	2019	2021-22
18190381	Estimating incidence and outcomes of sepsis in Hong Kong using electronic health records: a population based study between 2009 and 2019	Dr Lowell LING	The Chinese University of Hong Kong	529,046.00	2019	2021-22
18190461	Home blood pressure during night-time sleep as a better treatment target for patients with hypertension: a proof-of-concept randomized controlled trial	Prof LEE Kam Pui	The Chinese University of Hong Kong	100,000.00	2019	2021-22
18190471	Characterizing roles of paired nightshift work schedule and evening chronotype on alleviating sleep disturbance and mental health problems among nurses in Hong Kong	Prof Shelly TSE Lap-ah	The Chinese University of Hong Kong	1,204,040.00	2019	2021-22

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18190481	Fibroblasts as a novel therapeutic target for enhancing the healing of challenging bone fracture	Dr XU Jiankun	The Chinese University of Hong Kong	1,499,980.00	2019	2021-22
18190511	A randomized controlled trial to evaluate efficacy of a brief online integrated self-affirmation and implementation intention intervention in improving medication adherence among uncontrolled hypertensive patients	Dr SHE Rui	The Chinese University of Hong Kong	1,402,781.00	2019	2021-22
18190591	Post-pandemic workplace wellness in Hong Kong: development and validation of a culturally-relevant instrument applicable to East Asian cities	Prof KIM Jean-hee	The Chinese University of Hong Kong	99,960.00	2019	2021-22
18190641	Economic evaluation in long-term care services: validation and valuation of the preference-based ASCOT-SCT4 in Hong Kong	Prof Eliza WONG Lai-yi	The Chinese University of Hong Kong	393,980.00	2019	2021-22
18190651	A population-based study of the long-term health burden of Hong Kong people with diabetes and comorbid depression	Prof Andrea LUK On-yan	The Chinese University of Hong Kong	209,472.00	2019	2021-22
18190741	Evaluation of the long-term healthcare impact of Polycystic Ovary Syndrome	Dr Noel NG Yat-hey	The Chinese University of Hong Kong	1,304,136.00	2019	2021-22
18190771	Depressive symptom dynamics among adolescents with clinical and subthreshold depression - the role of stress on symptom connectedness	Dr Suzanne SO Ho-wai	The Chinese University of Hong Kong	1,244,194.00	2019	2021-22
18190821	The use of Glycosylated Fibronectin and Inhibin-A in the first trimester of pregnancy for prediction of pre-eclampsia in Chinese	Prof SAHOTA Daljit Singh	The Chinese University of Hong Kong	483,660.00	2019	2021-22
18190861	Endoscopic application of over-the-scope clips (OTSC) vs. angiographic embolization in patients with refractory non-variceal upper gastrointestinal bleeding; a multicenter randomized comparison	Prof James LAU Yun-wong	The Chinese University of Hong Kong	1,490,733.00	2019	2021-22
18190881	Online integrated mindfulness-meaning programme for depression and anxiety during COVID-19: a pilot randomized controlled trial	Dr ZHANG Dexing	The Chinese University of Hong Kong	95,000.00	2019	2021-22
18190951	RNA N6-methyladenosine methyltransferase-like 3 (METTL3) is a potential therapeutic target for immunotherapy in colorectal cancer	Dr CHEN Huarong	The Chinese University of Hong Kong	1,475,400.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18191031	The effects of muscle biofeedback versus posture biofeedback on pain and functional outcomes in people with chronic neck pain related to intensive smartphone use	Prof Grace SZETO Pui-yuk	Tung Wah College Limited	802,200.00	2019	2021-22
18191091	The efficacy of a simplified pilates exercise training in reducing the risk of falling in Hong Kong's older adults: a wait-list randomised controlled trial	Dr Thomson WONG Wai-lung	The Hong Kong Polytechnic University	628,076.00	2019	2021-22
18191101	Adopting a health-social partnership program to promote health and self-care management among older adults in the community: an effectiveness-implementation hybrid design	Prof Frances WONG Kam-yuet	The Hong Kong Polytechnic University	1,499,960.00	2019	2021-22
18191141	The effect of a father-involvement breastfeeding telephone support intervention on exclusive and sustained breastfeeding: A randomized controlled trial.	Dr NGAI Fei-wan	The Hong Kong Polytechnic University	1,235,540.00	2019	2021-22
18191171	The use of a positive psychology intervention (PPI) to promote the psychological well-being of children living in poverty: a feasibility randomised controlled trial	Dr HO Ka-yan	The Hong Kong Polytechnic University	100,000.00	2019	2021-22
18191221	Outcomes of a Risk Assessment and Management Program using telecare consultation among patients with diabetes mellitus in general out-patient clinic: A hybrid effectiveness-implementation study	Dr Arkers WONG Kwan-ching	The Hong Kong Polytechnic University	1,496,704.00	2019	2021-22
18191271	What is the potential cost-effectiveness of incorporating automatic grading in systematic screening for diabetic retinopathy in Hong Kong?	Dr LIAN Jinxiao	The Hong Kong Polytechnic University	696,500.00	2019	2021-22
18191351	Smartphone-based photorefracton – a novel technology for the determination of refractive errors	Dr DO Chi-wai	The Hong Kong Polytechnic University	1,499,796.00	2019	2021-22
18191361	Combining CFTR enhancers with low-intensity pulsed ultrasound for treatment of age-related bone fracture.	Dr RUAN Yechun	The Hong Kong Polytechnic University	1,220,000.00	2019	2021-22
18191411	The effects of an integrated mindfulness-based Tai Chi Chuan program on sleep disturbance among community-dwelling elderly people: A randomized controlled trial	Dr WANG Shu-Mei	The Hong Kong Polytechnic University	1,493,652.00	2019	2021-22
18191421	The roles of cell mechanics in targeting soft cancer stem cells and chemoresistance through nanoparticle-delivered drugs	Dr TAN Youhua	The Hong Kong Polytechnic University	1,255,000.00	2019	2021-22

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18191451	Transcutaneous electrical acupoint stimulation and dense cranial electroacupuncture stimulation for psychiatric sequelae and related biomarkers in women victims of domestic violence: a randomized controlled trial	Prof ZHANG Zhang-jin	The University of Hong Kong	1,494,520.00	2019	2021-22
18191511	Managing fear of cancer recurrence: a qualitative comparison of coping process among Chinese cancer survivors with nonclinical, subclinical, and clinically-significant fear of cancer recurrence	Dr Danielle NG Wing-lam	The University of Hong Kong	522,083.00	2019	2021-22
18191531	Trajectories of chemotherapy-induced peripheral neuropathy and the role of psychological factors among breast cancer patients	Ms Joyce CHAN	The University of Hong Kong	923,760.00	2019	2021-22
18191551	Tai Chi versus conventional exercise to improve cognitive performance in older adults with mild cognitive impairment (MCI): A comparative randomized controlled trial	Dr Parco SIU	The University of Hong Kong	1,500,000.00	2019	2021-22
18191571	A study to understand goals of care communication with advanced heart failure patients, families, and healthcare providers in hospital setting: Establishing a clinically applicable framework	Dr Alina NG Yee-man	The University of Hong Kong	100,000.00	2019	2021-22
18191581	What are the family barriers and facilitators of healthy eating habits among adolescents?	Prof Cindy LAM Lo-kuen	The University of Hong Kong	440,650.00	2019	2021-22
18191641	Delineation of reactive oxygen species (ROS)-mediated signaling pathways involved in developing chemoresistance in ovarian cancer	Dr Karen CHAN Kar-loen	The University of Hong Kong	1,365,184.00	2019	2021-22
18191751	Improving T2DM detection among at-Risk individuals – Effectiveness of Active Opportunistic Screening using spot Capillary-HbA1c test – A cluster randomized controlled trial (DM-REACH)	Dr Esther YU Yee-Tak	The University of Hong Kong	1,500,000.00	2019	2021-22
18191781	Opening the black box of a multicomponent intervention for informal dementia caregivers: A randomized controlled trial using the Multiphase Optimization Strategy (MOST).	Prof CHOU Kee-lee	The Education University of Hong Kong	1,470,200.00	2019	2021-22
18191811	A stepped care, eHealth sleep intervention for high-school teachers with sleep disturbances and psychological distress	Dr Christian CHAN Shaunlyn	The University of Hong Kong	1,197,089.00	2019	2021-22
18191851	Understanding preferences for low-dose aspirin use in primary prevention of colorectal cancer among clinicians and the general public in Hong Kong: A discrete choice experiment	Dr Esther CHAN Wai-yin	The University of Hong Kong	797,676.00	2019	2021-22

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18191921	Epidemiology and risk factors of major osteoporotic fracture after helicobacter pylori eradication and the interaction between helicobacter pylori and proton pump inhibitors on fracture risk	Dr Michael CHEUNG Ka-shing	The University of Hong Kong	958,936.00	2019	2021-22
18192001	A mixed methods observational study of human milk sharing in Hong Kong	Dr Kris LOK Yuet-wan	The University of Hong Kong	100,000.00	2019	2021-22
18192021	Therapeutic effect of human $\gamma\delta$ -T-cell-derived-exosomes on nasopharyngeal carcinoma in preclinical models	Prof TU Wenwei	The University of Hong Kong	1,498,180.00	2019	2021-22
18192061	Environmental ozone and its pathophysiological effects in a panel study	Dr TIAN Linwei	The University of Hong Kong	1,499,664.00	2019	2021-22
18192121	Cancer survivors' perspective towards the feasibility and acceptability of a community-based multi-disciplinary cancer survivorship intervention: A qualitative study.	Dr Wendy LAM Wing-tak	The University of Hong Kong	545,367.00	2019	2021-22
18192141	Elucidation of the reversal effect of baicalin on hepatocellular carcinoma-associated cachexia	Dr FENG Yibin	The University of Hong Kong	986,440.00	2019	2021-22
18192191	Roles of insulin-like growth factor 1, lean mass and fat mass in type 2 diabetes mellitus: sex-specific Mendelian randomization studies in Western and East Asian populations	Dr KWOK Man-ki	The University of Hong Kong	1,486,992.00	2019	2021-22
18192211	The health implications of extending statutory paid maternity leave in Hong Kong: a policy evaluation	Dr Helen Bostwick ANDRES	The University of Hong Kong	729,540.00	2019	2021-22
18192271	Towards reducing repeated hospital attendance and admissions for patients with low back pain using a machine learning approach	Dr Kenny KWAN Yat-hong	The University of Hong Kong	1,062,880.00	2019	2021-22
18192311	Identification of risk interaction of hypovitaminosis D genetic and environmental factors among Hong Kong infants and toddlers	Dr TSANG Hing-wai	The University of Hong Kong	1,152,500.00	2019	2021-22
18192331	Mortality among older persons with schizophrenia in Hong Kong	Dr CHAN Wai-chi	The University of Hong Kong	732,624.00	2019	2021-22

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18192391	Masticatory performance and general health of Hong Kong older adults – a prospective cohort study	Prof Edward LO C.M.	The University of Hong Kong	1,262,500.00	2019	2021-22
18192451	Do bisphosphonates reduce risk of dementia? A real-world pharmacoepidemiology study in Hong Kong and the United Kingdom.	Dr SING Chor-wing	The University of Hong Kong	555,896.00	2019	2021-22
18192521	Reversing Frailty Status among Post-treatment Older Cancer Survivors using Baduanjin Qigong: A Randomized Controlled Trial	Dr CHEUNG Shuk-Ting	The University of Hong Kong	1,350,000.00	2019	2021-22
18192551	Investigation of statins effects on diabetes by sex in Western and Chinese settings using Mendelian randomisation	Dr Catherine Mary SCHOOLING	The University of Hong Kong	453,496.00	2019	2021-22
18192571	What is optimal blood pressure target for antihypertensive treatment? A target randomised controlled trial emulation using big data	Dr Eric WAN Yuk-fai	The University of Hong Kong	925,260.00	2019	2021-22
18192671	Research on improving the quality of multicentre clinical trials: development of the reporting guideline	Dr ZHANG Xuan	Hong Kong Baptist University	499,000.00	2019	2021-22
18192731	Ranunculi ternati radix inhibits STAT3 signaling through upregulating miR-351 to exert anti-melanoma effects	Dr FU Xiuqiong	Hong Kong Baptist University	100,000.00	2019	2021-22
18192851	A smart sleep apnea self-management support programme (4S) to improve apnea severity and cardiovascular health – a pragmatic randomized controlled trial with mixed-method evaluation	Dr Agnes LAI Yuen-kwan	The University of Hong Kong	1,481,764.00	2019	2021-22
18192881	Clinical Significance of Subclinical Myocardial Involvement in Recovered COVID-19 Patients using Cardiovascular Magnetic Resonance	Dr NG Ming-yen	The University of Hong Kong	1,499,640.00	2019	2021-22
18192921	Mechanistic characterization of the MT2-induced Pgp inhibition and the chemosensitization on combining MT2 with Taxol in treating multi-drug resistant cancer in vitro and in vivo	Dr LUI Ki	College of Professional and Continuing Education Limited	989,300.00	2019	2021-22
18192931	A short-term longitudinal study of food cravings and COVID-19-related stress in a community sample of adults in Hong Kong	Dr CHAN Chui-yi	Caritas Institute of Higher Education	99,990.00	2019	2021-22

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18193071	Validation of a novel clinical prognostic model in facilitating the implementation of risk stratification approach for triaging scoliosis clinic workflow during COVID-19 pandemic	Dr Alec HUNG Lik-hang	Prince of Wales Hospital	1,174,472.00	2019	2021-22
18193101	Evaluation of a single claudication question combined with symptom-limited pedal plantarflexion test as a novel screening tool for detection of peripheral arterial disease.	Dr TAN Guang-ming	Prince of Wales Hospital	1,056,126.00	2019	2021-22
20190032	Antimicrobial activities of the Novel Bacterial Transcription Inhibitor against Methicillin-resistant Staphylococcus aureus (MRSA)	Dr YANG Xiao	The Chinese University of Hong Kong	1,198,728.00	2019	2021-22
20190102	Inhaled endolysin therapy against 'superbug' lung infections	Dr LEUNG Shui-yee	The Chinese University of Hong Kong	100,000.00	2019	2021-22
20190152	Fibroblast growth factor signaling reprograms genome-wide of 5-hydroxymethylation to potentiate EBV reactivation in EBV-associated carcinomas	Dr LI Lili	The Chinese University of Hong Kong	1,062,920.00	2019	2021-22
20190302	A pilot study evaluating Edaravone as anti-biofilm agent in treating bacterial infections	Dr CHUA Song-lin	The Hong Kong Polytechnic University	100,000.00	2019	2021-22
20190322	Evaluation of N95 respirators on fit rate, real-time leakage, and usability among Chinese healthcare workers	Prof Simon LAM Ching	Tung Wah College Limited	909,600.00	2019	2021-22
20190332	Exploitation of the damage-associated molecular pattern molecule cyclophilin A as an effective mucosal adjuvant	Dr ZOU Xiang	The Hong Kong Polytechnic University	1,500,000.00	2019	2021-22
20190362	A multi-cohort study of rat hepatitis E seroprevalence in Hong Kong using state-of-art serological tests	Dr Siddharth SRIDHAR	The University of Hong Kong	876,512.00	2019	2021-22
20190422	Investigation of photothermally responsive multi-layered graphene oxide coating for controlled release of antibacterial reagents to act against orthopaedic implant-related infection	Prof Kelvin YEUNG	The University of Hong Kong	1,377,620.00	2019	2021-22
20190432	Characterisation of pathogenetic mechanisms of Epstein-Barr virus-associated T and natural killer cell lymphoproliferative diseases in children	Dr Alan CHIANG Kwok-shing	The University of Hong Kong	1,000,000.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
20190442	Synthesis of novel multifunctional nanocomposites based on biosurfactant coated Ag-MNPs/teixobactin analogues for enhanced biofilm disruption and bacteria elimination	Dr ZOU Ting	The University of Hong Kong	1,201,500.00	2019	2021-22
20190492	Potential of air-puff tonometry to generate virus-laden aerosols from virus-infected ocular surface and the epidemiology of common respiratory viruses in acute conjunctivitis	Dr Allie LEE	The University of Hong Kong	972,750.00	2019	2021-22
20190502	Transmissibility of respiratory viruses	Dr Nancy LEUNG Hiu-lan	The University of Hong Kong	1,500,000.00	2019	2021-22
20190542	How infection history shapes individual and population immunity against influenza in Hong Kong	Dr Tim TSANG Kam-lun	The University of Hong Kong	916,992.00	2019	2021-22
20190572	In vitro, ex vivo, and in vivo evaluation of novel anti-SARS-CoV-2 nanobodies as safe and effective prophylactic and therapeutic options for Coronavirus Disease 2019	Dr Jasper CHAN Fuk-woo	The University of Hong Kong	1,497,160.00	2019	2021-22
20190582	Pulmonary and intranasal delivery of broad-spectrum antiviral agent for respiratory viral infections	Dr Jenny LAM Ka-wing	The University of Hong Kong	1,500,000.00	2019	2021-22
20190612	Novel small RNA-based diagnostics and therapeutics for SARS-CoV-2	Dr Franklin CHOW Wang-ngai	The Hong Kong Polytechnic University	1,149,160.00	2019	2021-22
20190652	Investigation on the role of interferon and interferon-based treatment options against COVID-19	Dr CHU Hin	The University of Hong Kong	1,217,960.00	2019	2021-22
20190672	Developing a spatial model of dengue fever-related vulnerability and risk detection of Hong Kong from a socioeconomic and environmental perspective	Dr REN Chao	The University of Hong Kong	860,986.00	2019	2021-22
20190682	Novel injectable hydrogels encapsulated with bismuth-doped carbon dots-based nanomedicine for periodontal treatment and healthcare via antimicrobial & immuno-modulatory approaches	Dr LI Xuan	The University of Hong Kong	1,090,248.00	2019	2021-22
20190712	Real-time estimation of serial interval and epi-curve to improve the evaluation of effectiveness of non-pharmaceutical interventions for COVID-19 in Hong Kong and Mainland China	Dr Sheikh Taslim ALI	The University of Hong Kong	1,021,680.00	2019	2021-22

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20190732	Host PFKFB3-dependent glycolytic reprogramming as a broad-spectrum antiviral strategy	Dr YUAN Shuofeng	The University of Hong Kong	1,475,920.00	2019	2021-22
20190742	Discovery of a novel SARS-CoV-2 cell entry mechanism mediated by circulating soluble ACE2 (sACE2): potential therapeutic target and risk marker for COVID-19	Dr Jade TENG Lee-lee	The University of Hong Kong	1,113,540.00	2019	2021-22
20190802	Development of synthetic carbohydrate-based antibacterial vaccines against Gram-negative bacteria	Prof LI Xuechen	The University of Hong Kong	1,361,000.00	2019	2021-22
20190862	Point-of-care plasmonic photothermal-quantitative PCR for ultrafast detection of dengue virus infection	Dr GO Yun-yung	City University of Hong Kong	1,197,510.00	2019	2021-22
20190952	Comparing dengue mosquito predictivity of gravitrap to ovitrap surveillance systems using weather data in Hong Kong	Dr YUAN Hsiang-yu	City University of Hong Kong	297,000.00	2019	2021-22
20190972	A randomized controlled trial evaluating a theory-based online intervention via fully automated Chatbot in increasing pneumococcal vaccination among community dwelling individuals aged ≥ 65 years	Dr WANG Zixin	The Chinese University of Hong Kong	1,300,205.00	2019	2021-22
20190982	Assessing the impact of influenza epidemics in Hong Kong	Dr Jessica WONG Yuen-ting	The University of Hong Kong	529,420.00	2019	2021-22
20190992	COVID-19 online misinformation exposure in Hong Kong adults: a cross-sectional study	Dr WENG Xue	The University of Hong Kong	877,000.00	2019	2021-22
04190158	Effectiveness of a dyadic pain management program for community-dwelling older adults with chronic pain: a cluster randomized controlled trial	Dr Mimi TSE Mun-yee	The Hong Kong Polytechnic University	1,499,254.00	2019	2021-22
04190198	Engaging the whole family to support expectant mothers: a family-based mHealth intervention to reduce maternal postnatal depression and promote family health	Dr Camilla LO Kin-ming	The Hong Kong Polytechnic University	780,160.00	2019	2021-22
04190268	Cost-effectiveness of self-administered dual-task training (sDTT) for reducing falls among older adults: a multi-centre-randomized controlled trial with economic evaluation	Dr Stanley John WINSER	The Hong Kong Polytechnic University	780,800.00	2019	2021-22

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04190388	Development and a pilot randomized controlled trial of a brief alcohol intervention during smoking cessation treatment delivered by healthcare professionals	Dr Derek CHEUNG Yee-tak	The University of Hong Kong	100,000.00	2019	2021-22
08190016	Romosozumab versus denosumab for osteoporosis in long-term glucocorticoid users: an open randomized controlled trial	Dr MOK Chi-chiu	Tuen Mun Hospital	1,491,014.00	2019	2021-22
08190226	Validation and investigation of cryptic pathogenic genomic variants by mate-pair low-pass genome sequencing in prenatal diagnosis for fetuses with ultrasound anomalies	Dr Elvis DONG Zirui	The Chinese University of Hong Kong	1,119,395.00	2019	2021-22
08190266	Vectored thermal pulsation, intense pulsed light, and eyelid warm compress (VIEW) therapies for meibomian gland dysfunction - a multicentre, randomized, assessor-masked, active-controlled clinical trial	Prof Kelvin CHONG Kam-lung	The Chinese University of Hong Kong	1,499,996.00	2019	2021-22
08190276	Applying virtual reality simulations to determine the development of vision-related disability in patients with glaucoma – A 3-year prospective study	Prof Christopher LEUNG Kai-shun	The University of Hong Kong	1,500,000.00	2019	2021-22
08190376	Study on the effects of a novel Wnt signaling antagonist follistatin-like 3 (FSTL3) on kidney fibrosis	Prof XIA Yin	The Chinese University of Hong Kong	1,499,880.00	2019	2021-22
08190406	Multicentered prospective randomized controlled trial on contrast-enhanced harmonic endoscopic ultrasound (CH_EUS) vs conventional EUS-guided fine needle biopsy (FNB) for solid pancreatic lesions	Prof Charing CHONG Ching-ning	The Chinese University of Hong Kong	734,920.00	2019	2021-22
08190416	Functionalization of Wnt5a biomimetic peptide on biomaterials for enhanced bone regeneration and implant osseointegration	Prof LI Gang	The Chinese University of Hong Kong	1,499,880.00	2019	2021-22
08190446	Asia-pacific multi-center randomized trial of laparoscopic versus open major hepatectomy for hepatocellular carcinoma (AP-LAPO Trial)	Prof Kelvin NG Kwok-chai	The Chinese University of Hong Kong	1,135,700.00	2019	2021-22
08190456	Vascular effects of achieving low disease activity in axial spondyloarthritis - a 2 year prospective cohort study	Prof TAM Lai-shan	The Chinese University of Hong Kong	1,505,615.00	2019	2021-22
08190466	3D-printed, mechanically-graded and growth factor-biopatterned polyurethane for rotator cuff repair	Prof Elmer KER Dai-fei	The Chinese University of Hong Kong	1,373,108.00	2019	2021-22

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08190476	Can whole-body vibration treatment optimize cognitive function in older adults who have sarcopenia and are at risk of dementia? A randomized controlled trial	Dr Allen LEE Ting-chun	The Chinese University of Hong Kong	1,386,977.00	2019	2021-22
08190526	An 18-year follow-up study on obstructive sleep apnoea in a population-based cohort	Prof Kate CHAN Ching-ching	The Chinese University of Hong Kong	1,499,904.00	2019	2021-22
08190586	Digital image analysis of tumor infiltrating lymphocyte and tertiary lymphoid organ in breast cancer	Dr Gary TSE Man-kit	The Chinese University of Hong Kong	1,380,880.00	2019	2021-22
08190596	Effect of Glucagon-like peptide 1 receptor agonist in combination with Insulin on glycaemic variability and time-in-range in diabetic kidney disease: a randomised controlled trial	Dr Elaine CHOW Yee-kwan	The Chinese University of Hong Kong	1,361,740.00	2019	2021-22
08190616	Repositioning of non-oncology drugs with MET inhibitory effect to tackle osimertinib resistance in non-small cell lung cancer	Prof Kenneth TO Kin-wah	The Chinese University of Hong Kong	100,000.00	2019	2021-22
08190626	Elucidation of intrinsic and extrinsic alterations regulating skeletal muscle stem cell aging: mechanisms for sarcopenia	Prof WANG Huating	The Chinese University of Hong Kong	1,496,150.00	2019	2021-22
08190666	Novel MRI-based machine learning tool to detect mild cognitive impairment associated with Alzheimer's disease	Dr KO Ho	The Chinese University of Hong Kong	911,140.00	2019	2021-22
08190686	Prevalence of non-alcoholic fatty liver disease among non-obese obstructive sleep apnea by using transient elastography	Dr Susanna NG So-shan	The Chinese University of Hong Kong	1,220,700.00	2019	2021-22
08190706	Branched chain amino acids (BCAA) restriction to alleviate colorectal cancer metastasis	Prof Dennis WONG Chi-chun	The Chinese University of Hong Kong	1,499,880.00	2019	2021-22
08190736	Utility of genome-wide non-invasive prenatal screening and chromosomal microarray analysis in women with a high-risk Down syndrome screening result: a prospective multi-centre study	Dr Richard CHOY Kwong-wai	The Chinese University of Hong Kong	1,470,993.00	2019	2021-22
08190776	Gut microbiota remodeling contributes to the aging-induced endothelial dysfunction and vascular oxidative stress	Prof HUANG Yu	City University of Hong Kong	1,500,000.00	2019	2021-22

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08190866	Bioengineering arginine decarboxylase as a new therapeutic for cancer treatment	Dr Marianne LEE	The Chinese University of Hong Kong	1,500,000.00	2019	2021-22
08190886	Receptor tyrosine kinase inhibitor Sunitinib as novel immunotherapy to inhibit myeloid-derived suppressor cells for treatment of endometriosis	Prof Ronald WANG Chi-chiu	The Chinese University of Hong Kong	1,360,000.00	2019	2021-22
08190906	Electroacupuncture versus Sham Acupuncture in the Management of Adhesive Small Bowel Obstruction: A Randomized Controlled Trial	Prof Simon NG Siu-man	The Chinese University of Hong Kong	1,095,850.00	2019	2021-22
08190916	A comprehensive survey on alpha-synuclein pathologies in colonic submucosal biopsies of prodromal Parkinson's disease patients – an exploratory study	Dr LAI He-ming	The Chinese University of Hong Kong	965,803.00	2019	2021-22
08191046	Restoration of p53 expression to facilitate Cytolytic Virus Activation (CLVA) therapy for targeting Epstein-Barr virus (EBV)-associated cancers	Dr HAU Pok Man	The Chinese University of Hong Kong	1,457,880.00	2019	2021-22
08191056	Dual release of desferrioxamine and bioglass via an injectable hydrogel for treatment of pressure ulcer in diabetes mellitus	Prof CHAN Hon-fai	The Chinese University of Hong Kong	1,213,780.00	2019	2021-22
08191066	Exploring human blood-derived angiogenic cells (BDACs) with pericyte characteristics for the treatment of diabetic chronic skin wounds	Prof Anna Maria BLOCKI	The Chinese University of Hong Kong	990,920.00	2019	2021-22
08191076	Artificial intelligence image analysis in breast cancer detection and immunohistochemistry scoring	Dr Ronald CHAN Cheong-kin	The Chinese University of Hong Kong	95,293.00	2019	2021-22
08191156	Investigating the protective effect of statin against vascular toxicity induced by BCR-ABL tyrosine kinase inhibitors	Dr TIAN Xiaoyu	The Chinese University of Hong Kong	1,203,800.00	2019	2021-22
08191206	Targeting the interaction between engulfment adaptor phosphotyrosine-binding domain-containing protein 1 and autophagy-related protein 14 to reduce the generation of amyloid- β in Alzheimer's disease	Prof LAU Kwok-fai	The Chinese University of Hong Kong	1,498,880.00	2019	2021-22
08191216	Data-driven analysis of carrier frequencies of autosomal recessive and X-linked diseases in the Asian population	Prof GU Shen	The Chinese University of Hong Kong	770,824.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08191236	Functional characterization and therapeutic implication of nuclear receptor ERRalpha in mitochondrial metabolism and remodeling in prostate cancer	Prof Franky CHAN Leung	The Chinese University of Hong Kong	1,499,940.00	2019	2021-22
08191246	Using functional genomics approach to identify genetic factors for congenital craniofacial malformations prevalent in Hong Kong	Prof SHAM Mai-har	The Chinese University of Hong Kong	1,496,880.00	2019	2021-22
08191336	Selective blockade of p38 α alternative activation in T cells as a novel therapeutic strategy for non-alcoholic steatohepatitis	Dr ZHANG Xiang	The Chinese University of Hong Kong	1,288,600.00	2019	2021-22
08191356	Molecular Diagnostics for Grass carp and Salmon Allergy	Dr Christine WAI Yee-yan	The Chinese University of Hong Kong	1,446,918.00	2019	2021-22
08191416	Neural correlates of impulsivity in idiopathic REM sleep behavior disorder and Parkinson's disease: a functional Magnetic Resonance Imaging case-control study	Dr LIU Yaping	The Chinese University of Hong Kong	1,122,120.00	2019	2021-22
08191436	Clinical significance in cross-allergenicity between seawater and freshwater shrimp species in shrimp-allergic patients	Prof LEUNG Ting-fan	The Chinese University of Hong Kong	1,276,556.00	2019	2021-22
08191456	Selectively targeting implanted human induced pluripotent stem cell (hiPSC)-derived cardiomyocytes to undergo proliferation as a treatment for myocardial infarction	Prof David ZEBROWSKI	The Chinese University of Hong Kong	1,472,646.00	2019	2021-22
08191476	The performance of MRI Prostate in men with different Prostate Health Index (phi) values: Can we save some MRI scans?	Prof Peter CHIU Ka-fung	The Chinese University of Hong Kong	902,909.00	2019	2021-22
08191496	Functional interrogation of non-coding regulatory regions identified from Hirschsprung disease patients	Dr Kevin YIP Yuk-lap	The Chinese University of Hong Kong	1,424,140.00	2019	2021-22
08191526	A point-of-care urine test to predict impending preeclampsia requiring preterm delivery in symptomatic women ("Congo red study")	Dr WAH Yi-man	The Chinese University of Hong Kong	883,730.00	2019	2021-22
08191556	Gene editing approach for glaucoma treatment – downregulation of TSP1 improves outflow facility and IOP reduction	Dr SHAN Sze-wan	The Hong Kong Polytechnic University	1,476,200.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08191616	Deciphering the mechanisms of arsenic-induced diabetes mellitus	Dr WONG Chi-ming	The Hong Kong Polytechnic University	1,500,000.00	2019	2021-22
08191626	Feasibility study of a musical training program in improving the neurocognitive functioning of children surviving brain tumours	Dr Joyce CHUNG Oi-kwan	The Hong Kong Polytechnic University	100,000.00	2019	2021-22
08191866	Targeting mitochondrial metabolism as novel anti-proliferative strategy for triple negative breast cancer	Prof ZHAO Yanxiang	The Hong Kong Polytechnic University	1,492,000.00	2019	2021-22
08191906	Targeting complex/monosomy karyotype acute myeloid leukaemia carrying TP53 mutations with PLK4 inhibitor- a mechanistic and therapeutic study	Dr NG Ka-lam	The University of Hong Kong	1,397,780.00	2019	2021-22
08191916	Explore the relationship between ultrafine anaphase bridges and response to topoisomerase II inhibitors in colorectal cancer	Dr CHAN Ying-wai	The University of Hong Kong	1,492,000.00	2019	2021-22
08191946	The Acute Promyelocytic Leukaemia Asian Consortium (APL-AC) Project	Dr Gill Harinder Harry SINGH	The University of Hong Kong	1,009,872.00	2019	2021-22
08191956	Feasibility of next-generation inhalable nanoagglomerated microparticles to improve the therapeutic outcomes of non-small cell lung cancer: A pilot study	Dr CHOW Shing-fung	The University of Hong Kong	309,000.00	2019	2021-22
08191966	Socio-economic burden and health-related quality of life in patients with rare diseases in Hong Kong and in the Asia pacific region	Dr Brian CHUNG Hon-yin	The University of Hong Kong	892,720.00	2019	2021-22
08191976	Organoid systems to study the effect of steroid in modulating immune-mediated inflammation in biliary atresia: A bridge to therapeutic application	Dr Patrick CHUNG Ho-yu	The University of Hong Kong	1,394,170.00	2019	2021-22
08191986	Preclinical evaluation of albumin-encapsulated nanoparticles for the treatment of chemo-resistant glioblastoma through modulating ER stress response	Dr KIANG Mei-yee	The University of Hong Kong	98,000.00	2019	2021-22
08191996	The role of ECM mutations as predisposing factors for carpal tunnel syndrome	Dr GAO Bo	The University of Hong Kong	1,499,848.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08192016	Randomized, controlled, single-blinded trial to evaluate the efficacy and safety of intra-wound vancomycin powder as add-on prophylactic intraoperative antibiotic for high-risk open posterior spinal surgery	Dr Jason CHEUNG Pui-yin	The University of Hong Kong	1,492,928.00	2019	2021-22
08192046	Determination of CHL1 as a gene therapy for the treatment of spinal muscular atrophy	Dr Martin CHEUNG Chi-hang	The University of Hong Kong	1,500,000.00	2019	2021-22
08192066	Develop a zebrafish model of human chronic myelomonocytic leukaemia (CMML) based on recurrent mutation combinations	Prof Anskar LEUNG Yu-hung	The University of Hong Kong	1,499,916.00	2019	2021-22
08192096	Computer-Assisted Jaw Reconstruction Using 3D-Printed Patient-Specific Surgical Plates Versus Conventional Surgical Plates: A Randomised Controlled Trial	Dr SU Yuxiong	The University of Hong Kong	985,008.00	2019	2021-22
08192106	Predictive value of CT texture analysis in indeterminate ovarian mass- a multi-centre validation study	Dr Elaine LEE Yuen-phin	The University of Hong Kong	996,760.00	2019	2021-22
08192116	BRD9 deregulation in liver cancer: Pathological significance and therapeutic potentials	Dr WONG Chun-ming	The University of Hong Kong	1,500,000.00	2019	2021-22
08192146	Treatment of obesity by selectively delivery of thyroid hormone to white adipose tissue	Dr CHEN Kang	The University of Hong Kong	1,499,516.00	2019	2021-22
08192166	Targeting proton shifting by a novel MCT4 inhibitor in treating acute myeloid leukemia	Dr MAN Cheuk-him	The University of Hong Kong	1,493,888.00	2019	2021-22
08192196	A double blind randomized controlled trial of non-invasive preimplantation genetic testing for aneuploidy in in vitro fertilisation	Prof Ernest NG Hung-yu	The University of Hong Kong	1,361,728.00	2019	2021-22
08192266	Clinical validation of a novel system enabling non-radiation spinal deformity prediction using a combination of artificial intelligence and depth sensing technologies	Dr ZHANG Teng	The University of Hong Kong	100,000.00	2019	2021-22
08192286	Exploiting fucosyltransferase 5 as a theranostic target in metastatic ovarian cancer	Prof Alice WONG Sze-tsai	The University of Hong Kong	1,498,360.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08192296	Understanding NPC Molecular Subtypes Associated with Clinical Outcome and Their Impact on Tumor Microenvironment	Dr DAI Wei	The University of Hong Kong	1,499,988.00	2019	2021-22
08192306	SIRT1-mediated vasodilatation: from inside to outside	Prof WANG Yu	The University of Hong Kong	1,499,800.00	2019	2021-22
08192316	Thrombospondin-2 as a potential diagnostic biomarker and therapeutic target of nonalcoholic fatty liver disease	Prof XU Aimin	The University of Hong Kong	1,496,160.00	2019	2021-22
08192376	To elucidate the role of 'niche' factors in the pathogenesis of Biliary Atresia using an advanced organoid system	Prof Paul TAM Kwong-hang	The University of Hong Kong	1,269,582.00	2019	2021-22
08192396	Therapeutic potentials of polo-like kinase 4 inhibitor in leiomyosarcoma	Dr Philip IP Pun-ching	The University of Hong Kong	1,499,488.00	2019	2021-22
08192456	Translating genetic susceptibility to clinical application: SYNGR1--an Asian-specific biomarker and drug target for systemic lupus erythematosus (SLE)	Dr YANG Wanling	The University of Hong Kong	1,482,597.00	2019	2021-22
08192516	Anti-mitotic agents elicit cytosolic DNA sensing STING pathway to improve efficiency of immune checkpoint inhibitors in liver cancer	Dr Derek LEE	The University of Hong Kong	1,500,000.00	2019	2021-22
08192576	Predicting persistent/recurrent oral squamous cell carcinomas with molecular biomarkers and clinical characteristics using machine learning	Dr CHOI Siu-wai	The University of Hong Kong	1,384,000.00	2019	2021-22
08192616	Assessment of arterial health by ultrasound-based nonlinear mechanical imaging	Dr LEE Wei-ning	The University of Hong Kong	1,494,580.00	2019	2021-22
08192686	Randomized control trial on the efficacy of a smartphone application (Glaucomapp) on monitoring and promoting disease awareness and medication adherence on Chinese glaucoma patients	Dr Bonnie CHOY Nga-kwan	The University of Hong Kong	1,160,611.00	2019	2021-22
08192706	What is the effect of intensive blood pressure control on cerebral blood flow and cognition in ischaemic stroke patients with severe cerebral small vessel disease?	Dr Gary LAU Kui-kai	The University of Hong Kong	566,885.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08192726	Potential therapeutic effect of pioglitazone on neuromyelitis optica spectrum disorders	Dr CHAN Koon-ho	The University of Hong Kong	1,372,840.00	2019	2021-22
08192756	Mimicking in vivo entheses formation to reinforce ligament/tendon-to-bone interface for repair	Dr Wilson CHAN Cheuk-wing	The University of Hong Kong	1,485,160.00	2019	2021-22
08192786	Analysis of EZH2 mediated neurogenic-to-gliogenic switch in development of enteric neurons and gastrointestinal motility disorders	Prof Elly NGAN Sau-wai	The University of Hong Kong	1,500,000.00	2019	2021-22
08192796	Resting and dynamic right ventricular-pulmonary arterial coupling in childhood cancer survivors	Prof CHEUNG Yiu-fai	The University of Hong Kong	854,760.00	2019	2021-22
08192856	Prediction of metabolic and cardiovascular complications in women with polycystic ovary syndrome: a longitudinal study	Dr Raymond LI Hang-wun	The University of Hong Kong	1,113,100.00	2019	2021-22
08192876	Evaluation of lumican as a serum prognostic biomarker and actionable target for liver cancer	Dr Regina LO Cheuk-lam	The University of Hong Kong	1,458,016.00	2019	2021-22
08192886	Transdifferentiation towards expandable neural progenitors without rejuvenation as authentic cell model for age-associated neurodegenerative diseases	Dr Raif JAUCH	The University of Hong Kong	1,477,032.00	2019	2021-22
08192926	Clinical significance of real-time longitudinal monitoring of liquid biopsies for advanced colorectal cancer	Dr Josephine KO Mun-ye	The University of Hong Kong	1,500,000.00	2019	2021-22
08192936	A prototype artificial intelligence algorithm versus Liver Imaging Reporting and Data System (LI-RADS) criteria in diagnosing hepatocellular carcinoma on computed tomography: a randomized trial	Dr Walter SETO Wai-kay	The University of Hong Kong	1,481,714.00	2019	2021-22
08193006	Characterization of a novel kinase in hepatic insulin resistance	Dr CHAN Chi-bun	The University of Hong Kong	1,499,343.00	2019	2021-22
08193056	A clinical research in using Artificial Intelligence (AI) to design dental crown	Dr James TSOI Kit-Hon	The University of Hong Kong	1,392,988.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08193066	Identification of microbiota associated with colorectal cancer (CRC) metastasis and chemoresistance, and evaluation of their roles as predictive biomarker for response to chemotherapy.	Dr FOO Chi-chung	The University of Hong Kong	1,498,248.00	2019	2021-22
08193106	Modelling myeloproliferative neoplasms (MPNs) in a multi-colour transgenic zebrafish – mechanistic and therapeutic insights	Dr SUN Xuan	The University of Hong Kong	1,363,304.00	2019	2021-22
08193116	Therapeutic effect of DPP-4 inhibitors, which are approved to treat diabetes, on improving prognosis of post-operative colorectal cancer patients	Prof LAW Wai-lun	The University of Hong Kong	977,000.00	2019	2021-22
08193146	The role of adiponectin signalling in Tauopathy: implication of adiponectin receptor agonist as a therapeutic treatment for Tau-mediated neurodegeneration	Dr NG Chun-laam	The University of Hong Kong	1,493,388.00	2019	2021-22
08193176	Dabigatran for stroke prevention in atrial fibrillation in moderate or severe mitral stenosis (DAVID-MS) study	Dr Jo Jo HAI Siu-han	The University of Hong Kong	1,285,000.00	2019	2021-22
08193206	Molecular basis and therapeutic potential of ketogenic diet as an adjuvant to receptor tyrosine kinase inhibitor (TKI) targeted therapy in hepatocellular carcinoma	Dr TONG Man	The University of Hong Kong	1,452,160.00	2019	2021-22
08193216	Metabolomics signature for the prediction of diabetic kidney disease in Chinese patients with type 2 diabetes	Dr Chloe CHEUNG Yu-yan	The University of Hong Kong	1,493,820.00	2019	2021-22
08193246	Sterilized 3D PRINTed bone models versus conventional CT imaging for operative visualization for complex intraarticular fracture repair – A single blinded randomized multicentre study	Dr Christian FANG Xinshuo	The University of Hong Kong	1,289,876.00	2019	2021-22
08193416	Inhibition of hypoxia-induced hyaluronan synthase 3 (HAS3) to subvert the immune suppressive microenvironment in liver cancer	Dr Carmen WONG Chak-lui	The University of Hong Kong	1,500,000.00	2019	2021-22
08193446	Towards establishing a genetic risk profile for Hirschsprung disease: pathway-centric approach to model polygenic risk	Dr Clara TANG Sze-man	The University of Hong Kong	1,148,904.00	2019	2021-22
08193596	WNT974 and artesunate exhibit synergy in inhibiting colorectal cancer growth by increasing KRAS protein degradation	Dr KWAN Hiu Yee	Hong Kong Baptist University	1,151,520.00	2019	2021-22

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
08193626	Investigating the role of ADAM9 in the regulation of body weight and food intake	Dr Xavier WONG Hoi-leong	Hong Kong Baptist University	1,500,000.00	2019	2021-22
08193726	Simultaneous dental implant in free vascularized bone flaps for jaw reconstruction using patient-specific surgical guides and titanium plates: a pilot study	Dr CHOI Wing-shan	The University of Hong Kong	802,830.00	2019	2021-22
08193856	Roles of a novel CREB-H-regulated phospholipid-binding endosomal protein (PLBEP) in cholesterol homeostasis	Prof JIN Dong-yan	The University of Hong Kong	1,500,000.00	2019	2021-22
08193956	Therapeutics potential of low frequency stimulation at pons nuclei (PN) in acute and chronic model of epilepsy in mice.	Dr Gajendra KUMAR	City University of Hong Kong	1,478,000.00	2019	2021-22
08194106	Cholecystokinin receptor agonists as potential new drugs for rescuing learning and memory deficiency in aged wild type and Alzheimer's Disease animals	Dr LI Xiao	City University of Hong Kong	1,500,000.00	2019	2021-22
08194116	Monitor the cerebrovascular health with pulse diffusion optical topography (pulse-DOT) to predict cognitive deterioration in aging population	Dr TSE Chun-yu	City University of Hong Kong	1,409,116.00	2019	2021-22
08194126	Subtyping CN-AML with modification biomarkers using Nanopore sequencing	Dr LI Runsheng	City University of Hong Kong	1,467,400.00	2019	2021-22
20190692	Developing ACE2 Variants with Increased Stability and Higher Affinity Targeting Severe Acute Respiratory Syndrome Coronavirus 2 Spike Protein	Prof SUN Ren	The University of Hong Kong	1,253,870.00	2019	2021-22
20190762	Understanding the immunological responses against SARS-CoV-2 orf8 protein and its potential use as novel COVID-19 vaccine	Dr KOK Kin-hang	The University of Hong Kong	1,200,000.00	2019	2021-22
07183026	Evaluation of the effects of enhanced placental transport and brain uptake of DHA for the prevention of perinatal brain injury in preterm birth	Dr WANG Yi	Hong Kong Baptist University	1,497,000.00	2018	2020-21
07180846	Investigation of MicroRNA-19a as an ocular gene therapy for glaucoma using a novel hydrogel-induced experimental glaucoma model	Dr Heather MAK Kayew	The Chinese University of Hong Kong	1,088,680.00	2018	2020-21

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07180886	An integrated omics study of the gut microbiome in infantile food allergy	Dr Agnes LEUNG Sze-yin	The Chinese University of Hong Kong	1,483,156.00	2018	2020-21
07183826	Investigation of tumor-infiltrating regulatory B cells in ovarian cancer with lymphotoxin overexpression	Dr Jacqueline LEE Ho-sze	The Chinese University of Hong Kong	1,468,404.00	2018	2020-21
07180186	Identification of aldo-keto reductase family 1 member C3 (AKR1C3) as a novel druggable target against erlotinib resistance and tumor-initiating cells in lung adenocarcinoma	Dr William CHO Chi-shing	Queen Elizabeth Hospital	1,297,744.00	2018	2020-21
07180176	Detection of MUTYH for the prognosis and chemotherapy responsiveness of patients with non-small cell lung cancer	Dr WONG Chi-wai	Queen Elizabeth Hospital	100,000.00	2018	2020-21
07180316	Identification of clinically approved drugs with putative histone deacetylase inhibitory effect to overcome drug resistance to targeted and cytotoxic chemotherapeutic drugs in lung cancer	Prof TO Kenneth Kin-wah	The Chinese University of Hong Kong	100,000.00	2018	2020-21
07182366	Patient-specific human induced pluripotent stem cell based multi-organ model for validation of genetic risks for anthracycline cardiotoxicity in childhood cancer patients – a pilot study	Prof CHEUNG Yiu-fai	The University of Hong Kong	960,270.00	2018	2020-21
07182846	A randomised double-blind controlled trial on the effect of vitamin D on the ovulation rate of women with polycystic ovary syndrome	Dr Raymond LI Hang-wun	The University of Hong Kong	1,482,776.00	2018	2020-21
07181836	Randomized controlled trial on use of letrozole in the medical management of tubal ectopic pregnancies	Dr LUI Man-wa	The University of Hong Kong	1,500,000.00	2018	2020-21
17182551	Neuroprotective effects Chinese medicine corynoxine in experimental Alzheimer's disease via autophagy induction	Dr Ashok IYASWAMY	Hong Kong Baptist University	1,495,800.00	2018	2020-21
17182471	Alcohol brief intervention integrated with mobile chat-based support for risky drinkers in emergency departments: a pragmatic randomised controlled trial	Dr WANG Man-ping	The University of Hong Kong	981,995.00	2018	2020-21
17182481	The effects of a mindful yoga program on mood symptoms and stress for postpartum women with depressive symptoms: a randomized controlled clinical trial	Dr LIN Jingxia	The Hong Kong Polytechnic University	1,247,800.00	2018	2020-21

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17180681	A randomized controlled trial to evaluate the efficacy of intervention involving motivational interviewing and implementation intentions to motivate working mothers to continue exclusive breastfeeding	Dr Christine LAU Yin-kei	The Chinese University of Hong Kong	1,187,882.00	2018	2020-21
17181141	High-definition transcranial direct current stimulation (HD-tDCS) as augmentation therapy in late-life depression (LLD) with suboptimal response to treatment - double-blinded randomized sham-controlled trial	Dr CHENG Pak-wing	The University of Hong Kong	872,540.00	2018	2020-21
17180791	A randomized controlled trial of an internet-based self-help skill strengthening (ISSS) selective intervention for secondary school teachers with emotional problems	Prof YANG Xue	The Chinese University of Hong Kong	1,436,890.00	2018	2020-21
17182171	A novel biofeedback device to improve adherence to pelvic floor muscle training in women with urinary incontinence: a randomized controlled pilot trial	Dr Priya KANNAN	The Hong Kong Polytechnic University	99,360.00	2018	2020-21
17180741	Clinical evaluations of CYP 450 inhibition and anticoagulation biomarker alteration by radix puerariae lobatae (Gegen): impact on its potential herb-drug interactions	Prof Joan ZUO Zhong	The Chinese University of Hong Kong	1,488,798.00	2018	2020-21
19180882	Treatment of highly pathogenic influenza A/H5N1-induced lung injury with mesenchymal stromal cell-derived exosomes	Dr Michael CHAN Chi-wai	The University of Hong Kong	1,492,780.00	2018	2020-21
19180912	Targeting E3 ubiquitin ligases as a therapeutic intervention for cytotoxic T-cell killing of dengue virus infected cells	Prof Roberto BRUZZONE	The University of Hong Kong	1,228,112.00	2018	2020-21
03180038	To develop a community-based exercise programme to prevent diabetic shoulder problems in Hong Kong Chinese elderly	Dr LEONG Hio-teng	The Chinese University of Hong Kong	775,188.00	2018	2020-21
07180306	Incidence, clinical presentation, treatment modalities, and long term outcomes of Retinoblastoma in Hong Kong: Hong Kong Retinoblastoma Registry	Prof Jason YAM Cheuk-sing	The Chinese University of Hong Kong	623,936.00	2018	2020-21
07180556	Improving liver cancer immunotherapy by co-targeting monocytic myeloid-derived suppressor cells (M-MDSCs)	Dr ZHOU Jingying	The Chinese University of Hong Kong	1,000,000.00	2018	2020-21
07180836	Neural-pragmatic relationships and cross-linguistic differences in prosodic endophenotypes in autism	Prof Patrick WONG Chun-man	The Chinese University of Hong Kong	1,469,043.00	2018	2020-21

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07181266	Identification of new allergens in <i>Periplaneta americana</i> by omics and immunological techniques for future research in cockroach-related allergic diseases	Prof Stephen TSUI Kwok-wing	The Chinese University of Hong Kong	1,499,404.00	2018	2020-21
07181286	Selective PPAR α activation directly protects vascular function through inhibition of YAP/TAZ-mediated oxidative stress and inflammation	Prof HUANG Yu	The Chinese University of Hong Kong	1,500,000.00	2018	2020-21
07182296	Therapeutic strategies targeting ER stress in chondrosarcoma based on tumor progression in single-cell resolution	Dr Kelvin CHEUNG Sin-chi	The University of Hong Kong	1,281,506.00	2018	2020-21
07183026	Evaluation of the effects of enhanced placental transport and brain uptake of DHA for the prevention of perinatal brain injury in preterm birth	Dr WANG Yi	Hong Kong Baptist University	1,497,000.00	2018	2020-21
07183266	Investigation of a novel deep learning-based pulmonary ventilation imaging method for lung cancer functional avoidance radiotherapy	Dr CAI Jing	The Hong Kong Polytechnic University	1,495,000.00	2018	2020-21
17180061	The first congenital upper limb anomalies (CULA) database in Hong Kong: registry of CULA in Prince of Wales Hospital	Dr HO Pak-cheong	Prince of Wales Hospital	1,417,848.00	2018	2020-21
17180221	Efficacy of <i>Uncaria rhynchophylla</i> (Gou-Teng) for patients with mild cognitive impairment: a pilot randomized controlled trial using white matter hyperintensities estimated by ARIA as outcome	Prof LIN Zhi-xiu	The Chinese University of Hong Kong	941,780.00	2018	2020-21
17180261	Feasibility of a novel ballet-inspired low-impact at-home workout programme to improve balance, gait and memory in adults with stroke: a mixed methods exploratory trial	Prof Suzanne LO Hoi-shan	The Chinese University of Hong Kong	100,000.00	2018	2020-21
17180381	Effectiveness of a complex exercise intervention to normalize blood pressure and its nocturnal dipping in patients with hypertension in primary care: a randomized-controlled trial	Prof LEE Kam-pui	The Chinese University of Hong Kong	1,146,180.00	2018	2020-21
17180431	Continuous glucose monitoring as an adjunct to lifestyle modification in individuals with impaired glucose tolerance: a randomised controlled trial	Dr Elaine CHOW Yee-kwan	The Chinese University of Hong Kong	1,344,796.00	2018	2020-21
17180611	Exposure to alcohol social media marketing and associations with young adult's drinking expectancies and behaviours: a study to inform regulation and health promotion	Prof KIM Jean-hee	The Chinese University of Hong Kong	99,900.00	2018	2020-21

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17180681	A randomized controlled trial to evaluate the efficacy of intervention involving motivational interviewing and implementation intentions to motivate working mothers to continue exclusive breastfeeding	Dr Christine LAU Yin-kei	The Chinese University of Hong Kong	1,187,882.00	2018	2020-21
17182471	Alcohol brief intervention integrated with mobile chat-based support for risky drinkers in emergency departments: a pragmatic randomised controlled trial	Dr WANG Man-ping	The University of Hong Kong	981,995.00	2018	2020-21
17182481	The effects of a mindful yoga program on mood symptoms and stress for postpartum women with depressive symptoms: a randomized controlled clinical trial	Dr LIN Jingxia	The University of Hong Kong	1,247,800.00	2018	2020-21
17182541	Evaluating the anti-Alzheimer's efficacy of caudatin, isolated from Chinese medicine herb Qingyangshen, on AD mice model	Prof LI Min	Hong Kong Baptist University	1,487,800.00	2018	2020-21
19180052	The effects of novel synthetic antimicrobial agents on the pathogenicity of methicillin-resistant staphylococcus aureus (MRSA)	Dr YANG Xiao	The Chinese University of Hong Kong	1,184,736.00	2018	2020-21
19180062	Hydrogel delivery of vancomycin and DNase I to eradicate osteosynthesis-associated methicillin-resistant staphylococcus aureus (MRSA) infection and support osteoporotic fracture healing	Prof Ronald WONG Man-yeung	The Chinese University of Hong Kong	1,090,440.00	2018	2020-21
19180162	Targeting H3K27me3 by EZH2 inhibitors in control of drug-resistant Helicobacter pylori colonization	Dr ZHANG Lin	The Chinese University of Hong Kong	1,494,292.00	2018	2020-21
19180202	Increasing rotavirus vaccine uptake: a randomised controlled trial	Prof Edmund Anthony Severn NELSON	The Chinese University of Hong Kong	1,398,370.00	2018	2020-21
19180302	Screening and characterization of anti-influenza virus components of Hong Kong Ilex species	Prof SHAW Pang-chui	The Chinese University of Hong Kong	1,500,000.00	2018	2020-21
19181112	The use of natural killer cells as therapeutic agents in nasopharyngeal carcinoma	Dr LUNG Hong-lok	Hong Kong Baptist University	1,441,000.00	2018	2020-21
19181142	Clinical performance of Human Papillomavirus (HPV) genotyping versus PAX1/SOX1 methylation as a triage for high-risk HPV positive women in cervical cancer screening in Hong Kong	Dr Karen CHAN Kar-loen	The University of Hong Kong	953,765.00	2018	2020-21

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
19181162	A pilot study on semen metagenomics, and spent culture media of patients undergoing conventional IVF treatment	Dr Maran LEUNG Bo-wah	The Chinese University of Hong Kong	1,207,102.00	2018	2020-21
03180158	Effects of a music-visual guided physical activity promotion program among adults with intellectual disability living in residential care facilities: a cluster-randomized controlled trial	Prof CHENG Ho-yu	The Chinese University of Hong Kong	878,742.00	2018	2019-20
03180198	Promoting advance care planning in persons with early dementia and their family caregivers in the community	Ms YEUNG Chi-yan	The Open University of Hong Kong	172,304.00	2018	2019-20
03180248	A smartphone-based intervention for diabetes prevention in overweight Chinese adults with pre-diabetes	Dr Mandy HO Man	The University of Hong Kong	1,497,700.00	2018	2019-20
07180056	Proton nuclear magnetic resonance (NMR) analysis for bacterial peritonitis	Dr LAW Chun-yiu	Queen Mary Hospital	100,000.00	2018	2019-20
07180136	Laparoscopic adrenalectomy versus medical therapy for treating adrenal adenoma with subclinical Cushing's syndrome - a prospective randomized trial	Dr Shirley LIU Yuk-wah	Prince of Wales Hospital	922,438.00	2018	2019-20
07180166	Radiation-associated neurocognitive impairment in nasopharyngeal cancer (NPC) patients after intensity-modulated radiotherapy (IMRT) and its association with radiation dose and retinal vascular characteristics: a cross-sectional study	Dr James CHOW Chung-hang	Queen Elizabeth Hospital	1,098,422.00	2018	2019-20
07180216	Disease burden of chronic viral hepatitis in Hong Kong – towards eliminating viral hepatitis by year 2030 according to World Health Organization (WHO) targets	Prof Grace WONG Lai-hung	The Chinese University of Hong Kong	1,499,940.00	2018	2019-20
07180226	Do women with a history of recurrent miscarriage have a higher risk of obstetric and perinatal complications in a subsequent pregnancy? A cohort study	Dr CHEN Xiaoyan	The Chinese University of Hong Kong	471,702.00	2018	2019-20
07180256	Establishment of reliable and cost-effective genetic markers for early diagnosis of primary open-angle glaucoma through clinical and molecular investigation using next-generation sequencing	Prof Guy CHEN Lijia	The Chinese University of Hong Kong	1,479,720.00	2018	2019-20
07180366	Impact of blood pressure variations on focal and global cerebral hemodynamics in symptomatic intracranial atherosclerotic stenosis: a pilot study with patient-specific computational fluid dynamics modeling	Dr LENG Xinyi	The Chinese University of Hong Kong	99,965.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07180376	Unraveling the genetic bases of clinical and neurocognitive phenotypes of schizophrenia	Dr SO Hon-cheong	The Chinese University of Hong Kong	1,439,063.00	2018	2019-20
07180516	Neuropeptide Y is a novel therapeutic agent for acute myocardial infarction	Prof LAN Hui-yao	The Chinese University of Hong Kong	1,499,600.00	2018	2019-20
07180566	A pragmatic, multi-centre, three-arm randomized controlled trial to assess the clinical effectiveness and safety of time lapse imaging in in-vitro fertilization treatment	Dr CHAN Yiu-leung	The Chinese University of Hong Kong	636,684.00	2018	2019-20
07180576	Utility of In-house mate-pair whole-genome sequencing for patients with intellectual disabilities/developmental delay	Dr Elvis DONG Zirui	The Chinese University of Hong Kong	988,668.00	2018	2019-20
07180596	Recurrence rates in high-risk subjects with baseline advanced colorectal adenomas followed up at different surveillance intervals: a multi-centre randomised controlled trial in four Chinese cities	Prof Martin WONG Chi-sang	The Chinese University of Hong Kong	1,460,388.00	2018	2019-20
07180606	Tumor immune microenvironment (TIME) to predict treatment response in breast cancer	Dr NI Yunbi	The Chinese University of Hong Kong	100,000.00	2018	2019-20
07180636	Role of IL-1 β in hepatic FGF19 signaling and metabolic functions	Prof XIA Yin	The Chinese University of Hong Kong	1,498,404.00	2018	2019-20
07180646	Effects of achieving SDAI remission on joint space outcomes progression in early rheumatoid arthritis: an HR-pQCT study	Prof TAM Lai-shan	The Chinese University of Hong Kong	1,155,997.00	2018	2019-20
07180686	Bone allograft revitalization via immunomodulatory and pro-regenerative strategies for enhanced fracture repair	Prof WANG Dan	The Chinese University of Hong Kong	1,262,890.00	2018	2019-20
07180736	Molecular stratification of adult gliomas for prognostication using next generation sequencing approach	Prof NG Ho-keung	The Chinese University of Hong Kong	1,248,920.00	2018	2019-20
07180826	Novel retinal imaging biomarkers for children amblyopia	Dr ZHANG Xiujuan	The Chinese University of Hong Kong	1,466,395.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07180856	Suppressed fecal evacuation as an induction mechanism of chronic constipation	Prof Hans GREGERSEN	The Chinese University of Hong Kong	1,365,061.00	2018	2019-20
07180906	Early intervention in preventing strategy-switching impairment in Alzheimer's disease animal model	Prof KE Ya	The Chinese University of Hong Kong	1,499,420.00	2018	2019-20
07180926	Circulating-microRNA-based classifier to predict delayed cerebral infarction after aneurysmal subarachnoid haemorrhage	Prof George WONG Kwok-chu	The Chinese University of Hong Kong	1,448,240.00	2018	2019-20
07181036	Undiagnosed latent heart failure in frail older individuals: diastolic dysfunction and dysmetabolism	Dr Erik George FUNG Yee-mun	The Chinese University of Hong Kong	1,486,636.00	2018	2019-20
07181086	Effects of acceptance and commitment therapy-based asthma management training program for parents of young children with neurodevelopmental comorbidities: A randomized controlled trial	Dr CHONG Yuen-yu	The Chinese University of Hong Kong	925,444.00	2018	2019-20
07181186	Sonoelastographic measurement of cervical softness and cervicovaginal fluid point-of-care-test in women with threatened preterm labor	Dr Piya CHAEMSAITHONG	The Chinese University of Hong Kong	653,831.00	2018	2019-20
07181226	Economic evaluation on breastfeeding promotion in Hong Kong	Dr HUI Lai-ling	The Chinese University of Hong Kong	785,009.00	2018	2019-20
07181256	Evaluation of SQLE as a novel therapeutic target in non-alcoholic fatty liver disease	Prof YU Jun	The Chinese University of Hong Kong	1,498,772.00	2018	2019-20
07181276	Long-term follow-up of children with obstructive sleep apnoea treated with adenotonsillectomy: cardiovascular perspective	Dr AU Chun-ting	The Chinese University of Hong Kong	1,499,580.00	2018	2019-20
07181356	Small-molecule based therapy in treating peripheral and central nervous system injuries	Dr Eddie MA Chi-him	City University of Hong Kong	1,450,000.00	2018	2019-20
07181396	Development of a new class of targeted therapeutics for triple-negative breast cancer therapy	Dr Peggy LO Pik-kwan	City University of Hong Kong	1,497,000.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07181406	Calcium wide-field imaging as a tool for evaluating cochlear implant stimulation strategies in the auditory cortex	Prof Jan SCHNUPP	City University of Hong Kong	1,191,638.00	2018	2019-20
07181426	Development of big data tools for high-throughput sequencing data with applications to colorectal cancer genomes	Dr WONG Ka-chun	City University of Hong Kong	856,000.00	2018	2019-20
07181536	Molecular classification based on microsatellite instability and RAS pathway status as prognostic biomarkers for risk stratification of metastatic relapse in colon carcinoma patients	Dr Josephine KO Mun-ye	The University of Hong Kong	1,499,750.00	2018	2019-20
07181576	Survival estimate models of cancer patients with spinal metastases: big data analytics to aid daily clinical practice	Dr LAM Tai-chung	The University of Hong Kong	769,000.00	2018	2019-20
07181676	Genetic diagnosis and research of osteogenesis imperfecta	Dr GAO Bo	The University of Hong Kong	1,499,870.00	2018	2019-20
07181776	Probing brain abnormalities for youths with subclinical psychotic symptoms: a population-based multimodal MRI study in Hong Kong	Dr CHANG Wing-chung	The University of Hong Kong	1,499,090.00	2018	2019-20
07181916	Assessing the safety of statin use among adolescents using genetic variations of 3-Hydroxy-3-Methylglutaryl-CoA Reductase (HMGCR): a mendelian randomization study	Dr Ryan AU YEUNG Shiu-lun	The University of Hong Kong	812,440.00	2018	2019-20
07181926	Understanding the selective vulnerability of human neurons to PHOX2B polyalanine repeat expansion mutations associated with the congenital central hypoventilation syndrome and hirschsprung disease	Dr Eilly NGAN Sau-wai	The University of Hong Kong	1,500,000.00	2018	2019-20
07181936	Development of photo-targeted nanocarriers for esophageal cancer therapy	Dr WANG Weiping	The University of Hong Kong	1,405,630.00	2018	2019-20
07181956	Pathological roles of BRPF1 deregulation and its therapeutic implications in liver cancer	Dr WONG Chun-ming	The University of Hong Kong	1,499,744.00	2018	2019-20
07182016	A computational framework using genomic and transcriptomic features for predicting resistance to PD-1/PDL-1 checkpoint inhibition in gastrointestinal tract (GIT) cancer	Dr DAI Wei	The University of Hong Kong	843,912.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07182026	The synergistic effect of ivabradine and olaparib on triple negative breast cancer	Prof KHOO Ui-soon	The University of Hong Kong	1,492,110.00	2018	2019-20
07182036	Role of BTRC mediated-ubiquitination in DNA damage response and associated drug sensitivity	Dr Lydia CHEUNG Wai-ting	The University of Hong Kong	1,489,244.00	2018	2019-20
07182046	Targeting CHK2 to reduce the expression of BQ323636.1 in ER+ breast cancer to reverse tamoxifen resistance	Dr TSOI Ho	The University of Hong Kong	1,227,363.00	2018	2019-20
07182086	A pilot study assessing the efficacy of a L. reuteri probiotic adjunct to reduce HbA1c in patients with chronic periodontal disease and type 2 diabetes	Dr WONG Hai-ming	The University of Hong Kong	100,000.00	2018	2019-20
07182096	Targeting exosome Nidogen-1 as a potential treatment of liver cancer	Dr MAO Xiaowen	The University of Hong Kong	1,497,744.00	2018	2019-20
07182186	Role of hyaluronan in kidney injury and fibrosis in chronic kidney disease	Dr Susan YUNG	The University of Hong Kong	1,499,744.00	2018	2019-20
07182256	XEN gel implant vs trabeculectomy in patients with primary open angle glaucoma (XVT Study)	Dr Jasper WONG Ka-wai	The University of Hong Kong	1,264,270.00	2018	2019-20
07182346	Prediction of recurrence and survival using big data analytics and machine learning in patients with hepatocellular carcinoma after curative surgery	Dr Keith CHIU Wan-hang	The University of Hong Kong	1,062,618.00	2018	2019-20
07182416	Investigation and enumeration of circulating tumour cells during different stages of oral cavity cancer	Dr CHOI Siu-wai	The University of Hong Kong	1,147,824.00	2018	2019-20
07182426	Translation and validation of client service receipt inventory (CSRI) in patients with rare genetic diseases in Hong Kong	Dr Brian CHUNG Hon-yin	The University of Hong Kong	100,000.00	2018	2019-20
07182446	The role of sialyl-Lewis(x) interaction on the selection of fertilization competent sperm and its potential application in assisted reproduction treatment	Dr Philip CHIU Chi-ngong	The University of Hong Kong	976,320.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07182466	Use of SpineScan3D in scoliosis clinics to enhance clinic efficiency, reduce radiation risks and health care costs	Prof Kenneth CHEUNG Man-chee	The University of Hong Kong	1,253,712.00	2018	2019-20
07182516	ANNEXIN A8 as a novel adipokine mediating visceral obesity-associated metabolic complications	Dr HUI Xiaoyan	The University of Hong Kong	1,484,540.00	2018	2019-20
07182526	The role of homoharringtonine (HHT) and combined therapy of homoharringtonine with everolimus in the treatment of acute lymphoblastic leukaemia	Dr SIN Chun-fung	The University of Hong Kong	1,500,000.00	2018	2019-20
07182546	Targeting the glycolytic enzyme PFKFB4 in liver cancer underlying p53 mutation: mechanistic insight and therapeutic implication	Dr CHAN Lo-kong	The University of Hong Kong	1,497,150.00	2018	2019-20
07182706	Artificial intelligence for prostate cancer detection and grading in magnetic resonance imaging	Dr CAO Peng	The University of Hong Kong	1,397,440.00	2018	2019-20
07182726	Implementation of multi-biomarkers algorithm for detection in Chinese obese individuals with non-alcoholic fatty liver disease	Dr Cynthia CHEUNG Kwan-yui	The University of Hong Kong	1,497,244.00	2018	2019-20
07182776	Anti-inflammatory effects of roflumilast treatment for 12 weeks in stable-state non-cystic fibrosis bronchiectasis	Dr James HO Chung-man	The University of Hong Kong	1,015,872.00	2018	2019-20
07182796	Self-detection and professional screening strategies for early detection of periodontitis: diagnostic accuracy of bleeding on brushing, salivary aMMP-8 and CDC/AAP screening	Prof Maurizio TONETTI	The University of Hong Kong	880,112.00	2018	2019-20
07182836	Role of the mechano-sensitive ion channel Piezo1 in the regulation of obesity and adaptive thermogenesis: molecular mechanisms and clinical implications	Dr WANG Baile	The University of Hong Kong	1,482,744.00	2018	2019-20
07183046	Long-term effects of combined balance and brisk walking training on alleviating motor and non-motor symptoms in people with Parkinson's disease: a randomized controlled trial	Prof Margaret MAK Kit-yi	The Hong Kong Polytechnic University	1,273,000.00	2018	2019-20
07183176	Management of oral mucositis using low-level laser therapy in nasopharyngeal cancer patients receiving chemo-radiotherapy: A randomized-controlled trial (MAGNETO)	Dr Shara LEE Wee-yee	The Hong Kong Polytechnic University	1,425,760.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07183186	Bacteria-host interaction in Parkinson's disease: identifying neuroprotective microbial metabolites against α -synuclein-mediated proteotoxicity	Dr ZHENG Chaogu	The University of Hong Kong	1,494,690.00	2018	2019-20
07183206	Functional characterization of fucosyltransferase 1 (FUT1) in promoting cancer stemness properties in hepatocellular carcinoma	Dr Stephanie MA Kwai-yee	The University of Hong Kong	1,499,557.00	2018	2019-20
07183246	A study of the role of salt-inducible kinase 2 in regulating chemoresistance of liver cancer cells	Dr Wilson CHING Yick-pang	The University of Hong Kong	1,499,968.00	2018	2019-20
07183426	Large-scale quantification of abnormal kinase levels in Alzheimer's disease	Dr ZHAO Qian	The Hong Kong Polytechnic University	100,000.00	2018	2019-20
07183436	Study of platelet preserving properties of nitric oxide administration into the extracorporeal membrane oxygenation circuit in paediatric patients at Queen Mary Hospital	Dr YAU Wing-sze	Queen Mary Hospital	691,876.00	2018	2019-20
07183516	Glucocerebrosidase (GBA1) mutations and reduced enzymatic activity in Parkinson's disease: a potential therapeutic target	Prof HO Shu-leong	The University of Hong Kong	1,041,496.00	2018	2019-20
07183586	Investigating the cellular dynamics in skeletal muscles for early detection of sarcopenia during aging	Dr Tom CHEUNG Hiu-tung	The Hong Kong University of Science and Technology	1,473,000.00	2018	2019-20
07183616	Role of TRIP13 gene in hepatocellular carcinoma development and disease progression	Dr Ken MA Hoi-tang	The Hong Kong University of Science and Technology	1,461,000.00	2018	2019-20
07183766	Mechanism of MMP14 control of bone mass via chondrocyte to osteoblast conversion	Prof Kathryn CHEAH Song-eng	The University of Hong Kong	1,500,000.00	2018	2019-20
07183786	Alterations in classical and exhausted memory B cells in lupus nephritis - role in disease stability and effect of immunosuppressive treatments	Dr Desmond YAP Yat-hin	The University of Hong Kong	1,499,244.00	2018	2019-20
07183796	Investigating the role of SOX10-FOXP1-FSTL1 regulatory axis and the therapeutic potential of targeting FSTL1 in melanoma	Dr Martin CHEUNG Chi-hang	The University of Hong Kong	1,348,112.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
07183806	Effect of electronic cigarettes on calcium- and cAMP-dependent ion transport in the human bronchial epithelia using a simultaneous electrophysiological and fluorescence technique	Prof KO Wing-hung	The Chinese University of Hong Kong	1,170,072.00	2018	2019-20
07183816	Spheroids of HIF-1 α -stabilized SHED as vascularization units for the treatment of peripheral tissue ischemia	Dr Waruna Lakmal DISSANAYAKA	The University of Hong Kong	1,088,496.00	2018	2019-20
17180011	Application of next-generation sequencing technology for deducing donor mismatched HLA typing from urine samples of kidney transplant recipients	Dr Janette KWOK Siu-yin	Queen Mary Hospital	99,999.00	2018	2019-20
17180091	Effectiveness of music therapy in social skill intervention for children with ASD/ID: a randomized controlled trial	Dr YUM Yen-na	The Education University of Hong Kong	1,180,116.00	2018	2019-20
17180131	An implementation science approach to adapting healthy movement behaviour guidelines for Hong Kong preschool-aged children	Dr Catherine M CAPIO	The Education University of Hong Kong	927,798.00	2018	2019-20
17180271	Potential cost-effectiveness of mobile health and internet technology-supported mental health interventions for university students – a health economic analysis	Prof Joyce YOU Hoi-sze	The Chinese University of Hong Kong	393,992.00	2018	2019-20
17180291	Evaluating the effectiveness of a peer-led self-management program for people with recent-onset psychosis: a randomized controlled trial	Prof CHIEN Wai-tong	The Chinese University of Hong Kong	861,880.00	2018	2019-20
17180401	Personal and ambient exposure to chemical composition of PM2.5 and PMcoarse and change of lung functions and biomarkers for inflammatory and oxidative stress in elderly	Prof HO Kin-fai	The Chinese University of Hong Kong	1,038,182.00	2018	2019-20
17180441	Prevalence of iron deficiency and its impact on neurocognitive function in Hong Kong adolescents	Prof LI Chi-kong	The Chinese University of Hong Kong	594,820.00	2018	2019-20
17180721	Healthcare professionals' perceptions on post discharge information summary (PDIS): application of the theoretical domains framework (TDF) to identify barriers and enablers for implementation	Prof Eliza WONG Lai-yi	The Chinese University of Hong Kong	930,032.00	2018	2019-20
17180761	Use of buscopan in patients undergoing IVF/ICSI treatment with high and low uterine contraction frequency prior to embryo transfer: a prospective double-blinded randomized controlled trial	Dr MAK Sze-man	The Chinese University of Hong Kong	1,083,551.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17180831	Effect of sesamin on promoting osteoprotic fracture healing	Prof LI Gang	The Chinese University of Hong Kong	1,337,032.00	2018	2019-20
17180881	Psoralen as a potent anti-osteoporosis agent promoting HIF-1 α mediated bone formation and suppressing NFATc1 mediated bone resorption	Prof WAN Chao	The Chinese University of Hong Kong	1,500,000.00	2018	2019-20
17180941	A randomised pilot trial evaluating a Chinese medicine formula in the treatment of chronic subjective tinnitus	Dr ZHANG Hong-wei	The Chinese University of Hong Kong	298,281.00	2018	2019-20
17180961	CityPal: a chatbot for enhancing young adults' psychological well-being	Dr John LEE Sie-yuen	City University of Hong Kong	981,000.00	2018	2019-20
17180971	A pre- and post-test intervention design to develop a communication training model for practitioners of traditional Chinese medicine (TCM): a pilot study	Dr Jack PUN	City University of Hong Kong	100,000.00	2018	2019-20
17181051	Long-term impact of thyroidectomy on effectiveness and cost-effectiveness for relapsed graves' disease	Dr Carlos WONG King-ho	The University of Hong Kong	1,186,959.00	2018	2019-20
17181101	Heat-cooling Chinese herbs in treating chronic hepatitis B patients comparing with antiviral therapy: a systematic review and network meta-analysis	Dr LI Sha	The University of Hong Kong	95,525.00	2018	2019-20
17181121	Investigation on postoperative adjuvant therapy with genipin in delaying hepatocellular carcinoma recurrence	Dr TAN Hor-yue	The University of Hong Kong	303,000.00	2018	2019-20
17181231	RNA-Seq transcriptome profiling of Rragu-knock-in mouse brains for the mechanisms underlying the anti-depressive activity of Chinese medicine puerarin	Dr ZHAO Jia	The University of Hong Kong	100,000.00	2018	2019-20
17181271	Breastfeeding and late adolescent lipid sub-fraction: a Hong Kong birth cohort study	Dr Catherine Mary SCHOOLING	The University of Hong Kong	985,061.00	2018	2019-20
17181291	Effectiveness of an interactive, multi-functional mobile app-based technology in endogenous healthcare for individuals with or at risk of knee osteoarthritis: a 12-month randomized controlled trial	Prof OR Ka-lun	The University of Hong Kong	846,860.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17181381	Development and validation of hip fracture risk prediction model using electronic medical records in Hong Kong: a machine learning approach	Dr Gloria LI Hoi-ye	The University of Hong Kong	526,400.00	2018	2019-20
17181421	Impact of feeding mode on survival, aspiration pneumonia, health care utilization and institutionalization of advanced dementia patients with feeding problems	Dr Jacqueline YUEN Kwan-yuk	The University of Hong Kong	432,345.00	2018	2019-20
17181481	Effectiveness of silver diamine fluoride in preventing occlusal caries in primary teeth of preschool children: a 30-month randomized clinical trial	Dr Duangporn DUANGTHIP	The University of Hong Kong	1,400,464.00	2018	2019-20
17181581	Long-term clinical and functional outcome of adult-onset patients with delusional disorder and schizophrenia: a 10-year follow-up study	Dr Christy HUI Lai-ming	The University of Hong Kong	685,916.00	2018	2019-20
17181641	The development and validation of a DM and Pre-DM risk prediction function for case finding in primary care in Hong Kong	Prof Cindy LAM Lo-kuen	The University of Hong Kong	1,499,908.00	2018	2019-20
17181701	Are periodontitis and masticatory dysfunction associated with the rate of progression of chronic kidney disease in patients with type 2 diabetes?	Dr Georgios PELEKOS	The University of Hong Kong	187,250.00	2018	2019-20
17181771	Developing risk prediction analytics for the Hong Kong colorectal cancer screening program	Prof Joseph WU	The University of Hong Kong	1,090,456.00	2018	2019-20
17181811	Artificial intelligence recognitions for traditional Chinese medicine pulse patterns and its correlation study with body constitution types in healthy human subjects	Prof SHEN Jiangang	The University of Hong Kong	1,491,344.00	2018	2019-20
17181821	Combining acupuncture and acupressure for community-dwelling elderly with dementia: an assessor-blinded, randomized controlled trial	Prof ZHANG Zhang-jin	The University of Hong Kong	1,459,972.00	2018	2019-20
17181831	The adjunctive effect of electro-acupuncture for advanced cancer patients in a collaborative model of palliative care: a three-arm pragmatic randomized trial	Dr CHEN Haiyong	The University of Hong Kong	1,183,781.00	2018	2019-20
17181971	Health belief model for empowering parental toothbrushing and sugar intake control in reducing early childhood caries among young children - a cluster randomized controlled trial	Prof May WONG Chun-mei	The University of Hong Kong	1,285,490.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
17182001	Randomized controlled trial of upper limb training with mirror therapy and transcutaneous electrical nerve stimulation to improve upper limb functions in patients with sub-acute stroke	Dr Shamay NG Sheung-mei	The Hong Kong Polytechnic University	909,060.00	2018	2019-20
17182461	Tai chi versus conventional exercise to alleviate depressive symptoms in older insomniacs: a comparative efficacy randomized controlled trial	Dr Parco SIU	The University of Hong Kong	1,500,000.00	2018	2019-20
17182561	A pilot study on evaluating tau clearance by a Chinese medicinal compound tetrandrine	Dr Benjamin TONG Chun-kit	Hong Kong Baptist University	100,000.00	2018	2019-20
17182591	The anti-asthmatic effects of Houttuynia cordata (Yu Xing Cao) essential oil – a mechanistic study	Dr CHEUNG King-ho	Hong Kong Baptist University	1,463,600.00	2018	2019-20
17182661	Mechanistic investigation of herbal formula JCM16021 in attenuation of bowel symptoms for irritable bowel syndrome through modulating clostridia-driven bile acid metabolic disturbance	Prof BIAN Zhaoxiang	Hong Kong Baptist University	1,190,000.00	2018	2019-20
17182681	Interaction between Chinese medicines and antibiotics in tumour suppression in terms of gut microbiota: dendrobii polysaccharide, a case study	Dr HAN Quan-bin	Hong Kong Baptist University	1,474,760.00	2018	2019-20
17182691	A network framework for inferring the underlying ecological processes of facilitated gut microbiota remodelling in response to therapeutic agents: focus on irritable bowel syndrome interventions	Dr KIM Pan-jun	Hong Kong Baptist University	1,199,600.00	2018	2019-20
19180242	A randomized controlled trial of adjunctive sirolimus and oseltamivir versus oseltamivir alone for treatment of influenza	Prof David HUI Shu-cheong	The Chinese University of Hong Kong	1,468,818.00	2018	2019-20
19180382	Analysis of Epstein-Barr virus (EBV) genomic variations in EBV-associated lymphoproliferative diseases	Dr Alan CHIANG Kwok-shing	The University of Hong Kong	1,487,668.00	2018	2019-20
19180392	Identification and characterization of SPINK6 as a novel host factor to restrict influenza A virus activation	Dr ZHOU Jie	The University of Hong Kong	1,500,000.00	2018	2019-20
19180422	Establishing a pseudomonas aeruginosa - Caenorhabditis elegans embryogenesis model for assessment of the P. aeruginosa virulence and identification of novel virulence factors	Dr YAN Aixin	The University of Hong Kong	1,484,540.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
19180442	Investigation of rat hepatitis E virus and genotype 4 hepatitis E virus infections among immunocompromised persons, patients with hepatitis and rats in Hong Kong	Dr Siddharth SRIDHAR	The University of Hong Kong	699,834.00	2018	2019-20
19180472	Development and mechanistic evaluation of novel nanobodies for Zika virus infection: implications on prophylactic and therapeutic options	Dr Jasper CHAN Fuk-woo	The University of Hong Kong	1,497,244.00	2018	2019-20
19180502	Increasing the viral RNA-dependent RNA polymerase fidelity as a broad-spectrum antiviral strategy	Dr YUAN Shuofeng	The University of Hong Kong	1,467,250.00	2018	2019-20
19180542	Risk assessment of dengue epidemic in Hong Kong and implications for local transmission	Dr Eric LAU Ho-yin	The University of Hong Kong	445,240.00	2018	2019-20
19180632	Δ 42PD1 regulate metabolic alterations to compromise the B cell immunity in HIV-infected viremic individuals	Dr LIU Li	The University of Hong Kong	1,500,000.00	2018	2019-20
19180642	The role of transforming growth factor-beta (TGF- β) on human immunodeficiency virus (HIV) infection and latency	Dr YIM Lok-yan	The University of Hong Kong	1,455,412.00	2018	2019-20
19180672	Optimisation of adeno-associated viral vectors for prolonged in vivo expression of a highly potent bi-specific neutralising antibody against HIV	Dr WONG Yik-chun	The University of Hong Kong	1,499,832.00	2018	2019-20
19180692	Decrypting the mechanism of anti-virulence compound HR3744 against MRSA by targeting the response regulator SaeR	Dr GAO Peng	The University of Hong Kong	1,349,656.00	2018	2019-20
19180712	Investigation of a double-coated titanium implant with near-infrared controlled antimicrobial capabilities for photodynamic and photothermic therapy	Dr SHEN Jie	The University of Hong Kong	1,070,000.00	2018	2019-20
19180722	Nasopharyngeal Carriage of Streptococcus pneumoniae among young children attending kindergarten and day care centres in Hong Kong 10 years after universal pneumococcal conjugate vaccination	Dr Susan CHIU Shui-seng	The University of Hong Kong	1,466,160.00	2018	2019-20
19180782	Novel tooth-binding graphene quantum dots silver nanoparticles for dental caries management	Prof CHU Chun-hung	The University of Hong Kong	881,112.00	2018	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
19180802	Risk assessment of Psittacosis caused by Chlamydia psittaci: tracking an emerging zoonotic disease in Hong Kong pet birds	Dr SIN Yung-wa	The University of Hong Kong	89,940.00	2018	2019-20
19180812	Activation of cGAS-STING-mediated cytokine production by influenza A virus (H7N9) PB1-F2 protein and implications to viral pathogenesis	Dr Hinson CHEUNG Pak-hin	The University of Hong Kong	1,479,244.00	2018	2019-20
19180932	Preclusion of an antigenically disruptive mutation in egg-based H3N2 seasonal influenza vaccines by mutational incompatibility	Dr MOK Ka-pun	The University of Hong Kong	1,488,520.00	2018	2019-20
19181002	Roles of double-stranded RNA binding protein PACT in sensing of influenza short immunostimulatory RNAs	Dr CHAN Chi-ping	The University of Hong Kong	1,500,000.00	2018	2019-20
19181012	The role of newly defined blood dendritic cells on HIV infection	Dr ZHOU Runhong	The University of Hong Kong	1,499,244.00	2018	2019-20
19181032	Evaluation of the role of a single amino acid substitution associated with inter-species transmission of MERS-coronavirus from camels to humans	Prof Joseph Sriyal Malik PEIRIS	The University of Hong Kong	1,499,502.00	2018	2019-20
19181052	Development of novel DelNS1 bivalent live attenuated vaccines for influenza and other respiratory diseases	Dr WANG Pui	The University of Hong Kong	1,396,496.00	2018	2019-20
19181132	Determining meteorologically favourable zone for the activities of seasonal influenza A and B in Hong Kong	Dr Marc CHONG Ka-chun	The Chinese University of Hong Kong	621,270.00	2018	2019-20
19181152	A randomized controlled trial evaluating an online intervention based on the Trans-Theoretical Model in increasing seasonal influenza vaccination among community-dwelling people aged ≥65 years	Dr WANG Zixin	The Chinese University of Hong Kong	977,834.00	2018	2019-20
06170056	Exploring the regulatory role of MT1-MMP for body weight and the therapeutic potential of MT1-MMP inhibition in obesity	Dr Xavier WONG Hoi-leong	Hong Kong Baptist University	1,500,000.00	2017	2019-20
06170166	Quantitative rotating frame relaxometry for early detection of liver fibrosis in presence of hepatic iron	Prof CHEN Weitian	The Chinese University of Hong Kong	1,300,998.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06170176	Targeting TRPM2 as a potential therapeutic strategy for spontaneous atherosclerosis	Prof YAO Xiaoqiang	The Chinese University of Hong Kong	1,181,050.00	2017	2019-20
06170306	Perioperative hypothermia and myocardial injury after non-cardiac surgery (protect) trial	Prof Tony GIN	The Chinese University of Hong Kong	1,492,740.00	2017	2019-20
06170426	A randomized study of neoadjuvant chemoradiotherapy with or without intensification with the FOLFOXIRI chemo-regimen for high-risk locally advanced rectal cancer	Prof Brigette MA	The Chinese University of Hong Kong	1,440,034.00	2017	2019-20
06170456	High-flow nasal cannula as an alternative intervention for children and adolescents with obstructive sleep apnoea	Prof Kate CHAN Ching-ching	The Chinese University of Hong Kong	1,104,328.00	2017	2019-20
06170476	Extracellular CD147 as a diagnostic marker for defective acrosome reaction in asthenozoospermia men and idiopathic infertility	Prof Ellis FOK Kin-lam	The Chinese University of Hong Kong	1,324,076.00	2017	2019-20
06170676	A 7-year prospective study of idiopathic REM sleep behavior disorder cohort in Chinese population: determining the optimal characteristics of prodromal markers to predict neurodegenerative diseases	Prof ZHANG Jihui	The Chinese University of Hong Kong	1,250,616.00	2017	2019-20
06170686	A novel epigenetic therapy for the treatment of KRAS-mutant colorectal cancer	Prof Dennis WONG Chi-chun	The Chinese University of Hong Kong	1,499,360.00	2017	2019-20
06170856	Generation of a comprehensive shrimp allergen panel for component-resolved diagnosis of shrimp allergy	Dr Christine WAI Yee-yan	The Chinese University of Hong Kong	1,396,464.00	2017	2019-20
06171006	Effects of hearing aid use on cognitive functions and auditory neurophysiology in older adults: a prospective randomized controlled study	Prof Michael TONG Chi-fai	The Chinese University of Hong Kong	1,499,728.00	2017	2019-20
06171026	A metabolomic approach to redefine diagnostic criteria and classification of polycystic ovary syndrome	Prof Ronald WANG Chi-chiu	The Chinese University of Hong Kong	1,499,999.00	2017	2019-20
06171046	Evaluation of aspirin non-responsiveness in preeclampsia prevention: a pharmacometabolomic approach	Prof Liona POON Chiu-yee	The Chinese University of Hong Kong	989,600.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06171066	Clinical application of a novel orthopaedic robotic system for fracture fixation operation assisted by an image-based surgical navigation system	Prof Max MENG	The Chinese University of Hong Kong	1,397,248.00	2017	2019-20
06171106	Identification of atrial fibrillation patients at risk of intracerebral haemorrhage with advanced retinal imaging (I-SAVE study)	Dr Yannie SOO Oi-yan	The Chinese University of Hong Kong	1,499,462.00	2017	2019-20
06171156	Transanal total mesorectal excision versus robotic total mesorectal excision for mid and low rectal cancer: a prospective randomized controlled trial	Prof Simon NG Siu-man	The Chinese University of Hong Kong	1,117,600.00	2017	2019-20
06171176	Randomised study on rapid maxillary expansion and continuous positive airway pressure in children with residual obstructive sleep apnoea: efficacy and relationship with obstruction type	Dr KWOK Ka-li	Kwong Wah Hospital	1,327,278.00	2017	2019-20
06171566	Establishment of a patient-derived organoid in vivo drug testing model in esophageal squamous cell carcinoma and a pilot study for tumor-associated macrophage targeted therapy	Dr Valen YU Zhuoyou	The University of Hong Kong	1,484,832.00	2017	2019-20
06171576	Investigating the therapeutic potential of human neural stem cells by suppressor of fused (SUFU) knockdown in a spinal cord injury model	Dr Jessica LIU Aijia	The University of Hong Kong	1,365,224.00	2017	2019-20
06171626	Gonadotrophin releasing hormone agonist for dual trigger in in vitro fertilization and for luteal phase support in frozen-thawed embryo transfer	Prof Ernest NG Hung-yu	The University of Hong Kong	1,080,560.00	2017	2019-20
06171686	Precision medicine towards familial cardiac laminopathy	Dr LEE Yee-ki	The University of Hong Kong	1,499,664.00	2017	2019-20
06171696	Targeting interleukin-6 receptor in BQ323636.1 overexpressing ER+ breast cancer to reverse tamoxifen resistance	Dr TSOI Ho	The University of Hong Kong	674,718.00	2017	2019-20
06171836	The role of brain-derived neurotrophic factor deficiency in muscle aging	Dr CHAN Chi-bun	The University of Hong Kong	1,495,248.00	2017	2019-20
06171916	Targeting androgen receptor in BQ323636.1 overexpressing ER+ breast cancer to overcome aromatase inhibitor resistance	Prof KHOO Ui-soon	The University of Hong Kong	1,230,094.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06172046	Radiosensitivity index (RSI) as predictive biomarker for radiotherapy de-intensification in nasopharyngeal carcinoma	Dr CHIANG Chi-leung	The University of Hong Kong	1,499,916.00	2017	2019-20
06172156	The therapeutic effects of blocking galectin 9-mediated immunoinhibition in a novel Adoptive T cell therapy for nasopharyngeal carcinoma	Prof Dora KWONG Lai-wan	The University of Hong Kong	1,214,520.00	2017	2019-20
06172236	The role of centrosomal protein CEP295 in chromosome instability and liver cancer progression	Dr Wilson CHING Yick-pang	The University of Hong Kong	1,499,880.00	2017	2019-20
06172296	Temporal weighting functions for spatial cues and their potential relevance for better binaural hearing with cochlear implants	Prof Jan SCHNUPP	City University of Hong Kong	1,029,360.00	2017	2019-20
06172336	The development of upconversion-based wireless optogenetics as an all-optical therapeutic strategy to study and treat Parkinson's disease	Dr SHI Peng	City University of Hong Kong	1,496,000.00	2017	2019-20
06172386	Dysregulation of interleukin-18 receptor accessory protein in neutrophils of lupus nephritis patients – a pilot study	Prof LAU Chak-sing	The University of Hong Kong	100,000.00	2017	2019-20
06172456	Neuroplasticity induced by the administration of cholecystokinin tetrapeptide and noise exposure as a novel strategy for the treatment of tinnitus	Dr CHEN Xi	City University of Hong Kong	1,500,000.00	2017	2019-20
06172476	Identifying biomarkers predictive of treatment response to PEGylated recombinant human arginase I in AML and its therapeutic partners	Dr YANG Ning	The University of Hong Kong	1,208,688.00	2017	2019-20
06172626	Are stroke subtypes, severity and prognosis after stroke affected by air pollution?	Dr Gary LAU Kui-kai	The University of Hong Kong	896,764.00	2017	2019-20
06172726	Defective autophagic clearance of damaged mitochondria (mitophagy) as potential therapeutic target of Parkinson's disease	Prof HO Shu-leong	The University of Hong Kong	1,469,224.00	2017	2019-20
06172786	The chemokine and cytokine network and signature of a novel prognostic immune-metabotype of lung adenocarcinomas: a proteo-metabonomic study of malignant pleural effusions	Prof LAM Ching-wan	The University of Hong Kong	1,497,218.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06172816	Effect of intraoperative total intravenous anaesthesia with propofol versus inhalational anaesthesia on postoperative pain after hepatectomy: a randomized controlled trial	Dr Stanley WONG Sau-ching	The University of Hong Kong	93,968.00	2017	2019-20
06172986	Investigating the effect of Amyotrophic Lateral Sclerosis (ALS)-associated FUS mutations on connectivity of human induced pluripotent stem cell (iPSC)-derived cortical neuron	Dr LAI Kwok-on	The University of Hong Kong	1,493,752.00	2017	2019-20
06173006	A multi-institutional study comparing clinical outcome and toxicities of novel image guided brachytherapy with conventional techniques for locally advanced cervical cancer in Hong Kong	Dr Amy CHANG Tien-yee	The University of Hong Kong	388,624.00	2017	2019-20
06173066	Targeting Lactate Dehydrogenase A for Extranodal NK/T-cell lymphoma therapy	Dr LIU Jing	The University of Hong Kong	1,163,176.00	2017	2019-20
06173176	Investigation of neuroprotective effects and mechanisms of novel selenium nanoparticles for prevention of Parkinson's disease	Dr DONG Xiaoli	The Hong Kong Polytechnic University	1,500,000.00	2017	2019-20
06173246	TREM2 regulates microglia activation and ameliorates cone photoreceptor degeneration in retinitis pigmentosa	Dr LIN Bin	The Hong Kong Polytechnic University	1,496,800.00	2017	2019-20
06173276	Evaluation of 4D diffusion-weighted MRI (4D-DWI) for stereotactic body radiation therapy (SBRT) of abdominal cancers in a pilot clinical trial	Dr CAI Jing	The Hong Kong Polytechnic University	1,223,000.00	2017	2019-20
06173706	Surface hyaluronidase-4 derivatized oligodendrocyte precursor cells for repairing inflammation-induced impairment in the CNS	Prof CHAN Ying-shing	The University of Hong Kong	1,499,934.00	2017	2019-20
06173796	Exploring novel therapeutic approaches for doxorubicin-induced cardiotoxicity using a metabolically-advanced and patient-specific human pluripotent stem cell-derived cardiomyocyte model	Prof Ellen POON Ngar-yun	The Chinese University of Hong Kong	1,496,544.00	2017	2019-20
06173986	Prevention and treatment of diabetes and diabetic complications by targeting Smad3 with a Smad3 inhibitor SIS3	Prof LAN Hui-yao	The Chinese University of Hong Kong	1,500,000.00	2017	2019-20
06173996	In vitro and in vivo study of therapeutic efficacy of novel selenium nanoparticles for triple-negative breast cancer treatment	Dr WONG Ka-hing	The Hong Kong Polytechnic University	1,500,000.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06174016	Alleviation of low back pain behavior phenotype by a novel small molecule in an experimental disc puncture model	Dr SUN Yi	The University of Hong Kong	99,556.00	2017	2019-20
16170321	Effects of immersive virtual reality for preventing and managing anxiety, nausea and vomiting among paediatric cancer patients receiving their first chemotherapy: An exploratory trial	Dr WONG Cho-lee	The Chinese University of Hong Kong	100,000.00	2017	2019-20
16170851	Potential herb-drug interactions between androgenic chinese herbal medicines and androgen receptor antagonists (abiraterone acetate and enzalutamide) - a preclinical evaluation	Dr XIAN Yan-fang	The Chinese University of Hong Kong	964,800.00	2017	2019-20
16170951	Effects of danshen and jixuecao extracts on glucocorticoid induced bone loss and growth suppression	Prof LI Gang	The Chinese University of Hong Kong	1,495,584.00	2017	2019-20
16171821	Stress cardiac magnetic resonance of asymptomatic type 2 diabetics with cardiovascular high risk to measure empagliflozin impact on myocardial blood flow (CATCH-EM)	Dr NG Ming-yen	The University of Hong Kong	1,457,257.00	2017	2019-20
16172071	Predictors of the efficacy of a parent-implemented language facilitation program for children with autism spectrum disorders	Dr TO Kit-sum	The University of Hong Kong	1,160,001.00	2017	2019-20
16172201	Effectiveness of a theory-driven smartphone application on orthopaedic patients' motivation and adherence to medical regimen in Hong Kong: a randomised controlled trial	Dr Derwin CHAN King-chung	The Education University of Hong Kong	927,360.00	2017	2019-20
16172701	Evaluation of the novel anti-cancer therapeutic agent K5-W and its combinatory effect with 5-FU in the treatment of drug resistant colorectal cancer	Dr William TAI Chi-shing	The Hong Kong Polytechnic University	1,329,110.00	2017	2019-20
16173001	Epidemiology, prognosis, risk factors and chemopreventive agents of interval colorectal cancer in Hong Kong	Dr Michael CHEUNG Ka-shing	The University of Hong Kong	619,520.00	2017	2019-20
16173011	A double blinded, randomized placebo controlled trial on effect of traditional Chinese medicine formula WuziYanzong pill on improving semen qualities in men with sub-optimal parameters	Dr CHAN Yiu-leung	The Chinese University of Hong Kong	1,114,156.00	2017	2019-20
18170032	Defining human cytomegalovirus latent genes in favour of human immunodeficiency virus type 1 coinfection in CD34+ cells and association in HIV patients	Dr Allen CHEUNG Ka-loon	Hong Kong Baptist University	1,492,600.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18170082	Resistome of gut microbiota and modulation in healthy Hong Kong population	Prof Margaret IP	The Chinese University of Hong Kong	1,499,906.00	2017	2019-20
18170092	Elucidation of the role of cathelicidin in protection against multi-drug resistant <i>Acinetobacter baumannii</i> associated pneumonia	Dr ZHANG Lin	The Chinese University of Hong Kong	1,499,800.00	2017	2019-20
18170282	Molecular differentiation of HIV and HCV transmission networks in HIV/HCV co-infected men who have sex with men in Hong Kong	Prof LEE Shui-shan	The Chinese University of Hong Kong	1,097,688.00	2017	2019-20
18170312	Acquisition of multidrug resistant organisms among travelers in Hong Kong: prevalence, determinants and persistence	Dr KWOK Kin-on	The Chinese University of Hong Kong	1,428,860.00	2017	2019-20
18170492	Randomized non-inferiority controlled clinical trial comparing periodontal endoscopic surgery and open flap debridement in the management of intra-bony defects: Clinical and patient reported outcome measures	Dr HO King-lun	The University of Hong Kong	187,586.00	2017	2019-20
18170512	The identification of protective epitopes of a protein vaccine Sta-C9 against Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infection and design of a novel multi-epitope vaccine	Dr WANG Xiaolei	The University of Hong Kong	1,399,832.00	2017	2019-20
18170572	A new class of antimicrobial therapeutics that targets the envelope stress response of Gram-negative bacteria	Dr LAM Yun-wah	City University of Hong Kong	1,271,650.00	2017	2019-20
18170832	Inferring assortativity of sexual mixing from age-specific human papillomavirus (HPV) prevalence data: Phase 1	Prof Joseph WU	The University of Hong Kong	930,734.00	2017	2019-20
18171292	Centre-based network-targeted engagement programme to improve influenza vaccination uptake among community-dwelling elderly in Hong Kong – a cluster randomised controlled trial	Dr Dennis IP Kai-ming	The University of Hong Kong	1,494,150.00	2017	2019-20
18171302	Role of $\Delta 42PD-1$ in memory B cells exhaustion in HIV-infected viremic individuals	Dr LIU Li	The University of Hong Kong	1,499,936.00	2017	2019-20
06170236	Comparison of diclofenac with tramadol, tizanidine or placebo in the treatment of acute low back pain: multi-centre randomised controlled trial	Prof Kevin HUNG Kei-ching	The Chinese University of Hong Kong	1,028,824.00	2017	2019-20

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06170186	Do endometrial leucocytes and angiogenesis in the peri-implantation period predict hypertensive disorders in the subsequent pregnancy?	Dr CHEN Xiaoyan	The Chinese University of Hong Kong	477,196.00	2017	2018-19
06170256	Establishment and characterization of nuclear receptor NURR1 as a potential therapeutic target for castration-resistant prostate cancer	Prof Franky CHAN Leung	The Chinese University of Hong Kong	1,497,300.00	2017	2018-19
06170286	The incidence of intrauterine adhesion after ultrasound-guided manual vacuum aspiration (USG-MVA): A prospective randomized controlled trial	Prof Jacqueline CHUNG Pui-wah	The Chinese University of Hong Kong	537,580.00	2017	2018-19
06170366	Bone microarchitecture assessed by 3D high-resolution peripheral quantitative computed tomography (HR-pQCT) as predictor of fracture risk in patients with glucocorticoid-induced osteoporosis	Prof TAM Lai-shan	The Chinese University of Hong Kong	1,185,287.00	2017	2018-19
06170466	A birth cohort study on predictive skin microbial signatures for eczema	Prof LEUNG Ting-fan	The Chinese University of Hong Kong	1,452,720.00	2017	2018-19
06170506	A study on the epidemiology and genetic basis of metabolic abnormalities in Hong Kong Chinese patients with schizophrenia	Prof SO Hon-cheong	The Chinese University of Hong Kong	1,341,680.00	2017	2018-19
06170516	Assessment of the Impact of Ultra-Early Aneurysm Treatment on Outcomes in Patients with Poor Neurological Status after Intracranial Aneurysm Rupture	Prof George WONG Kwok-chu	The Chinese University of Hong Kong	1,483,980.00	2017	2018-19
06170546	Pathological implication and functional characterization of a novel long non-coding RNA LBX1-AS1 in adolescent idiopathic scoliosis	Dr Wayne LEE Yuk-wai	The Chinese University of Hong Kong	971,760.00	2017	2018-19
06170576	A randomised, placebo-controlled study on fecal microbiota transplantation for patients with irritable bowel syndrome with fecal and mucosal microbiota assessment (FMT-IBS study)	Prof NG Siew-chien	The Chinese University of Hong Kong	1,301,112.00	2017	2018-19
06170896	Establishment of RB1 genetic marker for retinoblastoma	Prof PANG Chi-pui	The Chinese University of Hong Kong	1,498,760.00	2017	2018-19
06170996	A star strand miRNA as a versatile biomarker and therapeutic for diabetic liver steatosis	Prof CHAN Wai-ye	The Chinese University of Hong Kong	1,220,800.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06171016	Elucidation of the Blomia tropicalis genome and transcriptome to identify new allergens for future research in dust mite-related allergic diseases	Prof Stephen TSUI Kwok-wing	The Chinese University of Hong Kong	1,498,224.00	2017	2018-19
06171036	Targeting the enzyme KDM5C in the treatment of Alzheimer's disease	Prof KE Ya	The Chinese University of Hong Kong	1,499,840.00	2017	2018-19
06171076	Nicotinamide riboside as a neuroprotective therapy for glaucoma – a randomized controlled trial	Prof Christopher LEUNG Kai-shun	The Chinese University of Hong Kong	1,476,400.00	2017	2018-19
06171376	A novel cAMP-loaded layer-by-layer assembly to promote bone regeneration using apical papilla derived stem cells	Dr ZHANG Jing	The University of Hong Kong	914,520.00	2017	2018-19
06171406	Identifying the genetic factors underlying congenital scoliosis in Hong Kong	Dr GAO Bo	The University of Hong Kong	1,499,752.00	2017	2018-19
06171516	Terminable cell-encapsulating collagen-alginate composite device for sustained intraocular drug delivery as a therapy for retinal degenerative diseases	Dr Amy LO Cheuk-yin	The University of Hong Kong	1,499,918.00	2017	2018-19
06171586	Genome-scale CRISPR/Cas9 knockout library screening identified druggable targets to overcome Lenvatinib resistance in liver cancer	Dr WEI Lai	The University of Hong Kong	1,499,996.00	2017	2018-19
06171606	Study of STC1 as a functional serum biomarker and therapeutic target for liver fibrosis	Dr Regina LO Cheuk-lam	The University of Hong Kong	1,179,830.00	2017	2018-19
06171636	A sensitized genetic screen to identify and functionally characterize genetic modifiers for hirschsprung disease	Dr Clara TANG Sze-man	The University of Hong Kong	840,510.00	2017	2018-19
06171646	A randomized, open-label, parallel-group study to determine the efficacy of sequential high-intensity focused ultrasound (HIFU) ablation versus fixed-dose radioiodine-131 therapy in moderate-sized non-toxic multinodular goiter	Dr Brian LANG	The University of Hong Kong	770,940.00	2017	2018-19
06171666	Genome-wide DNA-methylation profiling as frontline diagnostic test for central nervous system embryonal tumors in children	Dr Anthony LIU Pak-yin	The University of Hong Kong	1,327,220.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06171706	Monitoring treatment response in advanced ovarian cancer by PET-CT following neo-adjuvant chemotherapy	Dr Elaine LEE Yuen-phin	The University of Hong Kong	1,381,916.00	2017	2018-19
06171786	PD-L1-positive circulating tumour cells (CTC) in predicting treatment response and survival after concurrent chemoradiation for locally advanced nasopharyngeal carcinoma (NPC)	Dr Victor LEE	The University of Hong Kong	1,480,000.00	2017	2018-19
06171936	The role of GFPT2 in head and neck squamous cell carcinoma	Dr GAO Wei	The University of Hong Kong	1,426,240.00	2017	2018-19
06171956	Delineating the immunoregulatory role of PVRL1/TIGIT interaction in hepatocellular carcinoma and its resistance to PD-1 blockade	Dr CHIU Kung-chun	The University of Hong Kong	1,500,000.00	2017	2018-19
06172066	Galectin-9 is a potential dual treatment target for tumor cells and the immune micro-environment of lung adenocarcinoma	Dr Maria WONG Pik	The University of Hong Kong	1,321,176.00	2017	2018-19
06172096	Functional evaluation of ADD3 in the pathogenesis of biliary atresia	Dr Vincent LUI Chi-hang	The University of Hong Kong	1,289,924.00	2017	2018-19
06172196	Using extracellular vesicles to deliver siRNAs against FLT3 mutants for personalized treatments against drug-resistant acute myeloid leukemia	Dr LE Minh	City University of Hong Kong	1,500,000.00	2017	2018-19
06172266	Exploring the role of microRNA in sight-threatening diabetic retinopathy in Chinese patients with type 2 diabetes	Dr Chloe CHEUNG Yu-yan	The University of Hong Kong	1,499,956.00	2017	2018-19
06172306	Apelin receptor agonist - a novel oral therapeutic agent to treat Alzheimer's disease	Dr NG Chun-laam	The University of Hong Kong	1,245,348.00	2017	2018-19
06172326	Towards cellular therapy with human bone marrow stromal cell-derived motor neurons in a mouse model of amyotrophic lateral sclerosis	Dr CAI Sa	The University of Hong Kong	1,499,914.00	2017	2018-19
06172346	AMPK γ 2 as a master regulator of adipokine transcription: biological function, molecular mechanism and clinical implications	Dr HUI Xiaoyan	The University of Hong Kong	1,449,248.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06172396	Engineered neural tissue constructs using dental-derived neural stem cells to promote peripheral nerve regeneration	Prof ZHANG Cheng-fei	The University of Hong Kong	1,157,176.00	2017	2018-19
06172446	Autotaxin as a potential mediator of obesity-related metabolic complications	Prof XU Aimin	The University of Hong Kong	1,496,996.00	2017	2018-19
06172466	Unlock the regenerative capacity of Müller glia in mammalian retinas by Wnt/p27kip1 signaling	Dr XIONG Wenjun	City University of Hong Kong	1,491,000.00	2017	2018-19
06172546	Cancer-associated fibroblasts derived follistatin-like 1 (FSTL1) as a prognostic biomarker and therapeutic target for personalized treatment in hepatocellular carcinoma	Dr TONG Man	The University of Hong Kong	1,499,764.00	2017	2018-19
06172566	Decorin in inflammation, fibrosis, and repair of peritoneal membrane structure in peritoneal dialysis	Dr Susan YUNG	The University of Hong Kong	1,499,864.00	2017	2018-19
06172586	Modelling TP53-mutated acute myeloid leukaemia in zebrafish - biological and therapeutic implications	Prof Anskar LEUNG Yu-hung	The University of Hong Kong	1,498,688.00	2017	2018-19
06172596	Fatty acid binding protein 4 as a therapeutic target for atherosclerosis by regulating gut microbiota and immunity	Dr SHU Lingling	The University of Hong Kong	1,433,996.00	2017	2018-19
06172636	Targeting G protein-coupled receptor 110 for the treatment of obesity and non-alcoholic fatty liver disease	Dr HUANG Zhe	The University of Hong Kong	1,399,248.00	2017	2018-19
06172646	Mitochondrial protein coiled-coil-helix-coiled-coil-helix domain 10 (Chchd10) as a novel factor for the treatment of obesity and its related diseases	Dr Ruby HOO Lai-chong	The University of Hong Kong	982,396.00	2017	2018-19
06172656	Current treatments for lupus nephritis - Direct cellular effects that impact on chronic kidney failure	Prof Daniel CHAN Tak-mao	The University of Hong Kong	1,499,764.00	2017	2018-19
06172686	Should radioactive iodine therapy (RAI) or surgery be the definite treatment after failure of anti-thyroid drug? A open-labeled randomized study in quality of life perspective	Dr WONG Kai-pun	The University of Hong Kong	792,650.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06172806	Evaluating the diagnostic impact and cost-effectiveness of rapid whole-exome sequencing for critically ill neonates and infants in Hong Kong	Dr Brian CHUNG Hon-yin	The University of Hong Kong	1,237,144.00	2017	2018-19
06172866	Fluoxetine-induced plasticity in combination with vestibular-specific stimulation corrects spatial cognition deficits after neonatal cannabinoid exposure	Prof Kenneth WU Lap-kei	The University of Hong Kong	1,499,940.00	2017	2018-19
06172876	PDZD2 and primary open-angle glaucoma: characterization of Pdzd2-deficient mice and human PDZD2 SNPs	Dr YAO Kwok-ming	The University of Hong Kong	1,499,628.00	2017	2018-19
06172886	The functional significance of RalA: regulations and therapeutic implication in liver cancer	Dr CHAN Lo-kong	The University of Hong Kong	1,491,040.00	2017	2018-19
06172916	Towards a plausible underpinning of cognitive impairment due to small vessel disease - from a brain wiring perspective	Dr HUI Sai-kam	The University of Hong Kong	1,401,690.00	2017	2018-19
06172936	Targeting hepatocellular carcinoma metabolism through blockade of BRD4-associated super-enhancers	Dr ZHANG Shuo	The University of Hong Kong	1,497,998.00	2017	2018-19
06172956	Using pluripotent stem cells-derived neural cells and brain organoids to investigate Huntington's disease-provoked mitochondrial dysfunction	Dr LIAN Qizhou	The University of Hong Kong	1,495,832.00	2017	2018-19
06173096	Using transcranial direct current stimulation to enhance cognitive function in autism spectrum disorder: a randomized controlled study	Dr Yvonne HAN Ming-yee	The Hong Kong Polytechnic University	1,251,000.00	2017	2018-19
06173146	GREM2: A novel regulator and marker of bone metabolism?	Dr CHEUNG Ching-lung	The University of Hong Kong	1,414,186.00	2017	2018-19
06173186	Development of bioresponsive nano-peptide-gel fibrous membranes for on-demand siRNA delivery for prevention of tendon adhesions: a preclinical study	Dr ZHAO Xin	The Hong Kong Polytechnic University	947,400.00	2017	2018-19
06173226	Studying kinase-dependency profile of normal and malignant hematopoiesis to identify leukemic-specific kinase inhibitors targeting FLT3-ITD mutation using zebrafish platform	Dr Alvin MA Chun-hang	The Hong Kong Polytechnic University	1,413,000.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06173266	Deciphering the role of Placenta Specific 9 (PLAC9) in obesity	Dr WONG Chi-ming	The Hong Kong Polytechnic University	1,190,444.00	2017	2018-19
06173306	Establishment of experiment paradigm for defining functional genetic variants and their epistasis contributing to Hirschsprung (HSCR) disease using human pluripotent stem cells (hPSC)	Dr Elly NGAN Sau-wai	The University of Hong Kong	1,500,000.00	2017	2018-19
06173366	The use of EBV-encoded microRNA in the prediction of local recurrence for recurrent nasopharyngeal carcinoma patients	Dr Jimmy CHAN Yu-wai	The University of Hong Kong	1,396,280.00	2017	2018-19
06173386	Nerve growth factor (NGF)-driven superoxide production in head and neck cancers	Dr WONG Thian-sze	The University of Hong Kong	1,279,150.00	2017	2018-19
06173406	MicroRNA expression in Normal tissue Adjacent to the Tumor (NAT) and its prognostic and predictive value for development of colorectal cancer relapse or metastasis	Prof LAW Wai Lun	The University of Hong Kong	951,020.00	2017	2018-19
06173456	Development of ultrasound-responsive polymeric nanoreactors for retinoblastoma therapy	Dr WANG Weiping	The University of Hong Kong	1,499,628.00	2017	2018-19
06173496	Overcoming chemoresistance in ovarian cancer using nanotechnology-based codelivery of imatinib and chemotherapeutic drugs	Prof Alice WONG Sze-tsai	The University of Hong Kong	1,426,780.00	2017	2018-19
06173556	Ligament and tendon repair using Lgr5+ interzone cells as progenitor	Prof Danny CHAN	The University of Hong Kong	1,491,308.00	2017	2018-19
06173656	Oligonucleotide aptamers for the treatment of low bone mass disorders	Dr Wilson CHAN Cheuk-wing	The University of Hong Kong	1,489,264.00	2017	2018-19
06173726	Exploiting the placental imprinted gene Paternally Expressed 10 (PEG10) as a specific cancer biomarker	Dr SY Ming-hui	The University of Hong Kong	1,496,764.00	2017	2018-19
06173806	The role of birth weight in ischemic heart disease and type 2 diabetes: a Mendelian randomization study	Dr Ryan AU YEUNG Shiu-lun	The University of Hong Kong	565,420.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
06173826	Role(s) of TAGLN expressing cells in intervertebral disc development, homeostasis and degeneration	Prof Kathryn CHEAH Song-eng	The University of Hong Kong	1,500,000.00	2017	2018-19
06173836	ATM mutant variants and their differential effects on myelin pathology in Ataxia Telangiectasia – revamping genomic diagnosis for rare but catastrophic diseases	Dr TSE Kai-hei	The Hong Kong University of Science and Technology	1,120,000.00	2017	2018-19
06173886	Chemical chaperones of AChE inhibitors in the assembly of AChE in neurons: a possible cell death inducer for current anti-alzheimer's disease drugs	Prof Karl TSIM Wah-keung	The Hong Kong University of Science and Technology	1,200,000.00	2017	2018-19
06173946	Investigation of the functional synergy of neuronal activity and sustained CNTF as a therapeutic strategy in animal models of traumatic optic neuropathy	Dr LIU Kai	The Hong Kong University of Science and Technology	1,499,212.00	2017	2018-19
06173956	Artificial sweeteners improve vascular function and reduce oxidative stress in diabetes and obesity	Prof HUANG Yu	The Chinese University of Hong Kong	1,500,000.00	2017	2018-19
06173966	The role of bone marrow adipose tissue in glucose tolerance and insulin sensitivity	Dr TSANG Kwok-yeung	The University of Hong Kong	1,499,900.00	2017	2018-19
06173976	Investigation on lactobacillus, lactate, and pH changes in regulating human endometrial receptivity and predicting pregnancy outcomes	Dr Calvin LEE Kai-fai	The University of Hong Kong	1,382,680.00	2017	2018-19
06174006	Generation of induced neural stem cells for pre-clinical studies through the directed evolution of reprogramming transcription factors by cell selection and sequencing (DERBY-seq)	Dr Ralf JAUCH	The University of Hong Kong	1,459,080.00	2017	2018-19
16170251	Identification of natural COX-2 selective inhibitors from medicinal plant (saussurea laniceps) for the both safe and effective treatment of arthritis	Prof CHEN Hubiao	Hong Kong Baptist University	994,120.00	2017	2018-19
16170421	Combining mind-body physical exercise, cognitive training, and nurse-led risk factor modification to enhance cognition among older adults with mild cognitive impairment: a randomized controlled trial	Prof Samuel WONG Yeung-shan	The Chinese University of Hong Kong	1,499,589.00	2017	2018-19
16170451	A novel liver-specific PD-L1-trap nanoparticle for hepatocellular carcinoma immunotherapy	Prof Alfred CHENG Sze-lok	The Chinese University of Hong Kong	1,187,900.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
16170511	Projecting future temperature-related mortality in Hong Kong under climate change scenarios	Dr William B GOGGINS	The Chinese University of Hong Kong	466,720.00	2017	2018-19
16170601	Effect of long-term exposure to multiple air pollutants on respiratory health in Hong Kong primary school children	Prof LAO Xiang-qian	The Chinese University of Hong Kong	1,466,332.00	2017	2018-19
16171001	A longitudinal study for identifying predictors of incidence/remission of probable depression and developing a predictive index for probable depression among secondary school students	Prof YANG Xue	The Chinese University of Hong Kong	1,499,272.00	2017	2018-19
16171031	Complex interventions for reducing 30-day avoidable hospital readmission among adults: recommendations for Hong Kong via overview of systematic reviews and stakeholder consensus	Prof Vincent CHUNG Chi-ho	The Chinese University of Hong Kong	988,160.00	2017	2018-19
16171161	Harms and second-hand harms of alcohol consumption in Hong Kong: a population-based study to inform public policy	Prof KIM Jean-hee	The Chinese University of Hong Kong	753,324.00	2017	2018-19
16171251	Regression of liver fibrosis after HBsAg loss: a prospective matched case-control evaluation using transient elastography and serum Enhanced Liver Fibrosis (ELF) test	Dr MAK Lung-yi	Queen Mary Hospital	991,232.00	2017	2018-19
16171511	Evaluation of the pre-clinical efficacy of baicalin in reversing hypoxia-induced sorafenib resistance in hepatocellular carcinoma	Dr TAN Hor-yue	The University of Hong Kong	94,800.00	2017	2018-19
16171561	Climate change beliefs, perceived risk of heat stress and responses to heat health warnings among the general public of Hong Kong: a mixed-methods study	Dr LIAO Qiuyan	The University of Hong Kong	852,940.00	2017	2018-19
16171711	Investigating the use of a naturally occurring anti-inflammatory herbal, siegesbeckia herba in minimising postoperative cognitive dysfunction	Dr Gordon WONG Tin-chun	The University of Hong Kong	1,179,656.00	2017	2018-19
16171751	Pharmacological induction of pro-resolving macrophages for suppressing cardiac fibrosis in experimental myocardial infarction	Dr RONG Jianhui	The University of Hong Kong	1,432,278.00	2017	2018-19
16171921	Design, modelling, evaluation, and optimization of an efficient and cost-effective intensive care network in Hong Kong	Dr Eric WONG Wing-ming	City University of Hong Kong	1,252,000.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
16171991	A high-dimensional machine learning approach to the individualized prediction of hospital readmissions for the elderly with chronic diseases	Dr ZHANG Qingpeng	City University of Hong Kong	499,000.00	2017	2018-19
16172021	Enhancing neurological recovery after surgical decompression in cervical spondylotic myelopathy by Wolfberry (Lycium barbarum polysaccharides) supplementation	Dr Kenny KWAN Yat-hong	The University of Hong Kong	1,043,074.00	2017	2018-19
16172111	Evaluation of the accuracy of diagnostic and management decision by teleophthalmology in comparison with face-to-face consultation	Prof Jimmy LAI Shiu-ming	The University of Hong Kong	613,848.00	2017	2018-19
16172221	Glass ionomer sealant versus fluoride varnish application to prevent occlusal caries among preschool children - a randomized controlled trial	Prof Cynthia YIU	The University of Hong Kong	805,970.00	2017	2018-19
16172331	Evaluating the diagnostic yield of using low-pass whole-genome sequencing to identify chromosome abnormalities in paediatric patients with developmental defects	Dr HUANG Chien-ling	The Hong Kong Polytechnic University	1,206,000.00	2017	2018-19
16172411	A multicentre randomized controlled trial of the effectiveness of a lifestyle intervention programme using mobile application vs booklet for adults with metabolic syndrome	Dr Eliza WONG Mi-ling	The Hong Kong Polytechnic University	1,254,142.00	2017	2018-19
16172441	Self-administered acupressure for knee osteoarthritis in middle- and older-aged adults: a randomized controlled trial	Dr YEUNG Wing-fai	The Hong Kong Polytechnic University	1,194,640.00	2017	2018-19
16172561	Radiomics-based case retrieval algorithm supported by deep learning of image feature clusters of hepatic pathology in computed tomography	Dr CHAN Wing-chi	The Hong Kong Polytechnic University	100,000.00	2017	2018-19
16172571	Neuroprotective effect of baicalein against chronic ocular hypertension	Dr DO Chi-wai	The Hong Kong Polytechnic University	1,105,000.00	2017	2018-19
16172581	Understanding needs of paediatric patients with life-limiting diseases: towards a model of paediatric palliative care	Prof Frances WONG Kam-yuet	The Hong Kong Polytechnic University	565,725.00	2017	2018-19
16172591	The cost-effectiveness of myopia control to retard the progression from high myopia	Dr LIAN Jinxiao	The Hong Kong Polytechnic University	547,000.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
16172691	Acetylcholinesterase inhibitors in osteoarthritis and its cerebrovascular comorbidities: a preclinical efficacy study	Dr WEN Chunyi	The Hong Kong Polytechnic University	1,499,600.00	2017	2018-19
16172751	Berberine suppresses metastasis and recurrence of hepatocellular carcinoma via targeting circulating tumour cells	Dr FENG Yibin	The University of Hong Kong	999,832.00	2017	2018-19
16172761	The effect of acupuncture for insomnia in breast cancer patients undergoing chemotherapy: a randomized, sham-controlled trial	Prof LAO Lixing	The University of Hong Kong	1,500,000.00	2017	2018-19
16172831	Using information communication technology (WhatsApp/WeChat) to deliver Brief Motivational Interviewing (i-BMI) to promote smoking cessation among smokers with chronic diseases	Dr William LI Ho-cheung	The University of Hong Kong	100,000.00	2017	2018-19
16172861	Translation and cultural adaption of an eating behaviour questionnaire for assessing the psychological aspects of eating behaviours in Chinese adults	Dr Mandy HO Man	The University of Hong Kong	99,804.00	2017	2018-19
16172901	Translational meta-analysis of immunotherapy studies in lung and liver cancer	Dr Herbert PANG Hei-man	The University of Hong Kong	387,512.00	2017	2018-19
16172911	Revealing epidemiological and demographic contributions to future cancer burden through exploring and projecting recent trends in important cancers in Hong Kong	Dr Irene WONG Oi-ling	The University of Hong Kong	758,548.00	2017	2018-19
16172921	L-carnitine, a friend or foe for cardiovascular disease? a mendelian randomization study	Dr ZHAO Jie	The University of Hong Kong	369,378.00	2017	2018-19
16172991	Evaluation of the effectiveness of a traditional Chinese herbal formula (Yang Xin Tang) in the treatment of alzheimer's disease	Prof WONG Yung-hou	The Hong Kong University of Science and Technology	1,167,600.00	2017	2018-19
18170022	Theranostics bioprobes for EBV-associated cancer therapy	Prof WONG Ka-leung	Hong Kong Baptist University	1,500,000.00	2017	2018-19
18170242	Lifestyle modification programme for HIV-infected individuals with non-alcoholic fatty liver disease: A randomized controlled trial	Prof Grace LUI Chung-yan	The Chinese University of Hong Kong	1,481,206.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18170262	Preclinical study of nanoparticle-formulated vaccine against invasive staphylococcus aureus infection	Prof LI Quan	The Chinese University of Hong Kong	1,226,096.00	2017	2018-19
18170332	Study of the type VII secretion system in Mycobacterium tuberculosis	Prof Shannon AU Wing-ngor	The Chinese University of Hong Kong	1,417,770.00	2017	2018-19
18170352	Evaluation of anti-influenza properties of Antrafenine and its analogs	Prof SHAW Pang-chui	The Chinese University of Hong Kong	1,499,440.00	2017	2018-19
18170432	Exploring the arbovirus diversity among the Aedes and Culex mosquitoes in Hong Kong	Dr LAM Tsan-yuk	The University of Hong Kong	1,439,146.00	2017	2018-19
18170452	Go beyond consensus sequences: use of next generation sequencing to reveal influenza viral sequence diversity in different respiratory samples	Prof Leo POON Lit-man	The University of Hong Kong	1,495,830.00	2017	2018-19
18170462	Longitudinal analysis of Epstein-Barr virus-specific T cells and NK cell responses in paediatric patients with infectious mononucleosis and post-transplant lymphoproliferative disorder	Dr Alan CHIANG Kwok-shing	The University of Hong Kong	1,197,176.00	2017	2018-19
18170552	Investigation of host genes involved in the functions of Clostridium difficile toxins	Dr HUANG Linfeng	City University of Hong Kong	1,499,700.00	2017	2018-19
18170682	To explore the functional significance of retinoid signaling in EBV infection-mediated de-differentiation of nasopharyngeal epithelial cells	Dr JIA Lin	The University of Hong Kong	100,000.00	2017	2018-19
18170712	Development of an antigen capture assay for melioidosis, a fatal disease caused by Burkholderia pseudomallei	Dr Jade TENG Lee-lee	The University of Hong Kong	992,348.00	2017	2018-19
18170762	HIV-1 mucosal prevention and immunotherapy by engineered tandem bi-specific IgA	Prof CHEN Zhiwei	The University of Hong Kong	1,499,940.00	2017	2018-19
18170792	Tropism and pathogenesis of the highly pathogenic avian influenza A/H7N9 virus in human respiratory tract and potential therapeutic effect of interferon and cyclophilin inhibitors	Dr Michael CHAN Chi-wai	The University of Hong Kong	1,299,520.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18170882	The role of PDGFR and the therapeutic potential of its inhibitor in MERS-CoV infection	Dr HUI Pui-yan	The University of Hong Kong	1,499,220.00	2017	2018-19
18170902	Maximizing the cost-effectiveness of human papillomavirus (HPV) testing for cervical screening in the context of routine HPV vaccination in Hong Kong	Dr Kathy LEUNG Sze-man	The University of Hong Kong	930,734.00	2017	2018-19
18170922	Evaluation of disease severity of seasonal influenza viruses using human respiratory tract explant cultures, lung injury models, and correlation with glycosylation status	Prof John Malcolm NICHOLLS	The University of Hong Kong	1,189,520.00	2017	2018-19
18170942	Roles of caspase 3 activation in lytic replication of Epstein-Barr virus in nasopharyngeal epithelial cells	Prof JIN Dong-yan	The University of Hong Kong	1,500,000.00	2017	2018-19
18170972	Novel inhalable powder formulations of synergistic combinations of antimicrobial peptides and antitubercular drugs to combat both drug-sensitive and multidrug-resistant tuberculosis	Dr Jenny LAM Ka-wing	The University of Hong Kong	1,452,264.00	2017	2018-19
18171032	Interaction between Legionella pneumophila and biofilm microbiota	Dr Polly LEUNG Hang-mei	The Hong Kong Polytechnic University	1,196,800.00	2017	2018-19
18171042	Delineating the efflux protein TolC mediated hyper-biofilm formation in uropathogenic E. coli and their exploitations in the dual control of biofilm and antibiotic resistance	Dr YAN Aixin	The University of Hong Kong	1,500,000.00	2017	2018-19
18171202	Forecasting influenza epidemics in Hong Kong using multiple streams of syndromic and laboratory surveillance data.	Dr Sheikh Taslim ALI	The University of Hong Kong	930,760.00	2017	2018-19
18171252	Cost-effectiveness of prophylaxis with palivizumab in high-risk children in Hong Kong	Dr WU Peng	The University of Hong Kong	804,278.00	2017	2018-19
18171262	Investigation of the reassortment between canine H3N2 influenza virus and human/avian influenza A viruses in canine and human respiratory tract explant cultures	Dr Trang BUI Huyen	The University of Hong Kong	1,491,780.00	2017	2018-19
18171272	The impact of childhood pneumococcal conjugate vaccine (PCV) immunisation on pneumonia admissions in Hong Kong: a population-based interrupted time series analysis from 2004-2017	Dr Shirley LI Xue	The University of Hong Kong	551,706.00	2017	2018-19

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
18171282	Preferences and cost-effectiveness of case detection and management strategies for chlamydia control in Hong Kong	Dr William WONG Chi-wai	The University of Hong Kong	1,139,266.00	2017	2018-19
05160486	A randomised, double-blind, placebo-controlled trial on the efficacy of atorvastatin in chronic subdural haematoma (The REACH Study)	Prof POON Wai-sang	The Chinese University of Hong Kong	1,200,000.00	2016	2018-19
15161021	A randomized double blinded controlled trial of early use of oral progesterone in all women for prevention of preterm delivery	Dr CHEUNG Ka-wang	The University of Hong Kong	1,200,000.00	2016	2018-19
15162621	Effect of berberine on cardiovascular disease risk factors: a mechanistic randomized controlled trial	Dr ZHAO Jie	The University of Hong Kong	506,824.00	2016	2018-19
05160046	Long noncoding RNA profiling by whole transcriptome sequencing for classification and prognostication in adult acute myeloid leukaemia	Dr IP Ho-wan	Queen Mary Hospital	1,149,150.00	2016	2017-18
05160086	Advanced neuroimaging modalities and clinical correlates in multiple sclerosis and neuromyelitis optica spectrum disorders	Dr Jacky LEE Chi-yan	Queen Mary Hospital	1,194,981.00	2016	2017-18
05160126	Therapeutic potential of activator protein 4 in peripheral nerve injury	Dr Eddie MA Chi-him	City University of Hong Kong	1,196,000.00	2016	2017-18
05160256	Impaired communications in anterior cingulate cortex neural network in the rats with trigeminal neuropathic pain is associated with decision-making deficits	Prof LI Ying	City University of Hong Kong	1,200,000.00	2016	2017-18
05160276	A gene therapy approach to stimulate retinal regeneration by targeted expression of Atoh7	Dr XIONG Wenjun	City University of Hong Kong	1,178,800.00	2016	2017-18
05160296	Engineering red blood cells for the delivery of metabolic enzymes against Niemann-Pick disease and other sphingolipidoses	Dr SHI Jiahai	City University of Hong Kong	1,198,000.00	2016	2017-18
05160336	Overcoming blood-brain barrier to treat brain cancers by multifunctional nanodiamond-mediated drug delivery system	Dr Peggy LO Pik-kwan	City University of Hong Kong	1,198,000.00	2016	2017-18

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05160406	The efficacy of Buscopan® in reducing pain during ultrasound-guided manual vacuum aspiration (MVA): A randomized controlled trial	Prof Jacqueline CHUNG Pui-wah	The Chinese University of Hong Kong	550,708.00	2016	2017-18
05160466	A randomized, single blinded clinical trial on Stem cell therapy in osteochondral lesion associated with different hand and wrist pathology	Dr TSE Wing-lim	Prince of Wales Hospital	1,055,904.00	2016	2017-18
05160476	Whole genome sequencing on multiplex families affected with chronic schizophrenia and negative symptoms: a search for rare variants	Dr LEE Chi-chiu	Kwai Chung Hospital	1,043,192.00	2016	2017-18
05160556	Rational combination of PD-L1/PD1 targeting and natural killer cells in hepatocellular carcinoma treatment	Dr CHEUNG Siu-tim	The Chinese University of Hong Kong	981,720.00	2016	2017-18
05160746	Targeting sphingosine kinase 1 for alleviating intestinal epithelial injury in sepsis	Dr Jeffery HO	The Chinese University of Hong Kong	945,936.00	2016	2017-18
05160806	Improving cognitive functions in mild cognitive impairment via mobile-app foreign language learning	Prof Patrick WONG Chun-man	The Chinese University of Hong Kong	1,061,338.00	2016	2017-18
05160836	Genetic biomarkers for refractive errors and myopia progression in Hong Kong children	Dr Guy CHEN Lijia	The Chinese University of Hong Kong	1,177,732.00	2016	2017-18
05160926	Clinical application of enumeration and genomic characterization for non-invasive detection and real-time monitoring of circulating tumor cells for esophageal carcinoma	Prof Maria LUNG	The University of Hong Kong	1,199,732.00	2016	2017-18
05160946	Understanding the molecular basis of carpal tunnel syndrome	Dr GAO Bo	The University of Hong Kong	1,195,048.00	2016	2017-18
05160976	3D printing technology for planning left atrial appendage occlusion: A randomised trial	Prof Alex LEE Pui-wai	The Chinese University of Hong Kong	1,191,977.00	2016	2017-18
05160996	The effectiveness of prehabilitation for patients undergoing lumbar spinal stenosis surgery – A randomized controlled trial	Dr Arnold WONG Yu-lok	The Hong Kong Polytechnic University	636,568.00	2016	2017-18

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
05161016	Evaluation of anxiolytic and antidepressant effects of colon-specific delivery and control-release of probiotics on brain and behavior using a mouse model of social defeat stress.	Dr WANG Yi	The Hong Kong Polytechnic University	1,197,000.00	2016	2017-18
05161056	Study of the efficacy of PIM inhibitors in hepatocellular carcinoma	Dr Regina LO Cheuk-lam	The University of Hong Kong	1,198,424.00	2016	2017-18
05161096	A mechanistic, safety and efficacy, and human translational study on a potential anti-obesity and insulin-sensitizing protein drug recombinant human arginase (rhArg)	Prof LEUNG Yun-chung	The Hong Kong Polytechnic University	1,199,720.00	2016	2017-18
05161116	Inhibition of microglial P2X4 receptor attenuates neuroinflammation and enhances photoreceptor survival in retinal degeneration	Dr Tracy HO Yin-chiu	The Hong Kong Polytechnic University	1,156,072.00	2016	2017-18
05161146	Does blue-light filtering spectacle lens promote myopia progression in schoolchildren?	Dr CHUN Ka-man	The Hong Kong Polytechnic University	1,199,600.00	2016	2017-18
05161216	Identification of Serine/Threonine kinase 39 (STK39) as a novel therapeutic kinase against liver tumor-initiating cells in hepatocellular carcinoma	Dr Terence LEE Kin-wah	The Hong Kong Polytechnic University	1,108,000.00	2016	2017-18
05161286	The oncogene MDM2 as a new mediator of obesity-induced nonalcoholic fatty liver disease	Dr CHENG King-yip	The Hong Kong Polytechnic University	1,191,000.00	2016	2017-18
05161326	Novel mechanisms and therapeutic implication of P2Y12 inhibitor, clopidogrel, in renal fibrosis	Prof LAN Hui-yao	The Chinese University of Hong Kong	1,200,000.00	2016	2017-18
05161356	A randomized controlled trial comparing gradual and immediate brace weaning for clinical management of adolescent idiopathic scoliosis patients	Dr Jason CHEUNG Pui-yin	The University of Hong Kong	947,024.00	2016	2017-18
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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 <i>Peptostreptococcus anaerobius</i> 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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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- α -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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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 Mårten 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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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- β /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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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
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

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Project No.	Project Title	Principal Applicant	Administering Institution	Approved Amount (HK\$)	Call Year	Approved Year
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