

FHB's Health and Medical Research Fund subsidises COVID-19 research (Batch 2 - approved in August 2020)

Key

AI: Administering Institution
 AP: Assessment Panel
 CityU: City University of Hong Kong
 Co-A: Co-Applicant
 CUHK: The Chinese University of Hong Kong
 HKBU: Hong Kong Baptist University
 HKU: The University of Hong Kong
 HKUST: The Hong Kong University of Science and Technology
 PA: Principal Applicant
 PolyU: The Hong Kong Polytechnic University

Group of Research Area

(a) Transmissibility and infectability of the virus
 (b) Effective detection and surveillance
 (c) Effective clinical management (including rapid diagnosis and treatment)
 (d) Enhanced infection control and prevention strategies
 (e) Risk of nosocomial infection caused by the virus
 (f) Development of resistance to treatment/therapy
 (g) Others

No.	Ref. no.	Project title	PA	Department	AI	Research area	Requested amount (HK\$)
1	COVID190201	The role of smoking on the regulation of ACE2-mediated infectability of COVID-19	Dr Judith MAK Choi-wo	Department of Medicine	HKU	(a)	1,997,000
2	COVID190202	The effects of pre-exposure with influenza A virus on the susceptibility to and severity of COVID-19	Dr Kenrie HUI Pui-yan	School of Public Health	HKU	(a)	1,215,000
3	COVID190203	Characterization of the distribution of aerosols released from drainage ventilating pipe of public housing buildings	Dr Polly LEUNG Hang-mei	Department of Health Technology and Informatics	PolyU	(a)	2,138,800
4	COVID190204	Whole-genome sequencing of COVID-19 cases in Hong Kong: development of a geo-phylogenetic database and characterisation of SARS-CoV-2 variants circulating in the community	Dr Gilman SIU Kit-hang	Department of Health Technology and Informatics	PolyU	(b)	2,998,100
5	COVID190205	Molecular epidemiological study of COVID-19 cases in Hong Kong	Prof Leo POON Lit-man	School of Public Health	HKU	(b)	9,492,328
6	COVID190206	A system-level and multidimensional quantification and prediction of SARS-CoV-2 infection in animals: are there implications for control of human infections?	Dr LI Jun	Department of Infectious Diseases and Public Health	CityU	(b)	3,970,000
7	COVID190207	Surveillance of SARS-CoV-2 in grey waste water from residential areas, toilet waste from airplanes and waste water from Hong Kong International Airport	Dr Ioannis MAGOURAS	Department of Infectious Diseases and Public Health	CityU	(b)	3,576,860
8	COVID190208	A low-cost handheld device for decentralised detection of SARS-CoV-2 and host response in COVID-19 patients: development and evaluation	Prof YIP Shea-ping	Department of Health Technology and Informatics	PolyU	(b)	2,716,484
9	COVID190209	Grid monitoring of SARS-CoV-2 in sewage for an early-warning sign of community outbreak	Prof ZHANG Tong	Department of Civil Engineering	HKU	(b)	4,540,383
10	COVID190210	Effectiveness of single and combined anti-COVID-19 drugs among hospitalized COVID-19 patients in Hong Kong	Dr Carlos WONG King-ho	Department of Pharmacology and Pharmacy	HKU	(c)	482,960
11	COVID190211	AI-empowered chest X-ray and CT quantitative analysis for COVID-19 patient management	Dr CAI Jing	Department of Health Technology and Informatics	PolyU	(c)	2,569,000
12	COVID190212	Incident mental morbidity and web-based psychological treatment in COVID-19 (A WMH-COVID19 study)	Prof Arthur MAK Dun-ping	Department of Psychiatry	CUHK	(c)	2,940,490
13	COVID190213	Identification of Lingnan Chinese medicines against COVID-19 infection	Prof Karl TSIM Wah-keung	Division of Life Science	HKUST	(d)	2,998,000
14	COVID190214	Development of resveratrol and its congeners as preventive and therapeutic agents for control of COVID-19	Prof ZHANG Hongjie	Teaching and Research Division, School of Chinese Medicine	HKBU	(d)	2,840,000
15	COVID190215	Modelling of Hong Kong COVID-19 control strategies considering different population immunity scenarios	Dr Sean YUAN Hsiang-yu	Department of Biomedical Sciences	CityU	(d)	749,000

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16	COVID190216	Public compliance with disease prevention and public health measures to control COVID-19	Dr Elsie YAN Chau-wai	Department of Applied Social Sciences	PolyU	(d)	1,127,120
17	COVID190217	Psychological trauma and unsafe behaviour during the COVID-19 pandemic: a mixed-method study of people's emotion, knowledge, attitude and behaviour	Prof David SHUM Ho-keung	Department of Rehabilitation Sciences	PolyU	(d)	1,408,810
18	COVID190218	Blended Gaming COVID-19 Training System (BGCTS) with WHO guidelines for staff in residential care homes: a cluster randomised controlled trial	Dr Angela LEUNG Yee-man	Schoo of Nursing	PolyU	(d)	1,276,732
19	COVID190219	Utilization of CRISPR/cas9-modified Lactobacillus casei as an oral vaccine for treating and preventing COVID-19 infection	Prof KWAN Yiu-wa	School of Biomedical Sciences	CUHK	(d)	2,972,960
20	COVID190220	Investigating aerosol generation and transmissibility implications in upper and lower gastrointestinal endoscopy: a multicentre study	Dr Walter SETO Wai-kay	Department of Medicine	HKU	(d)	2,082,272
21	COVID190221	COVID19: a pilot study of adaptive immunity and anti-PD1	Dr Thomas YAU Chung-cheung	Department of Medicine	HKU	(f)	145,791
22	COVID190222	3R rehabilitation management of COVID-19 survivors using centre-based and online-based approaches	Prof Amy FU Siu-ngor	Department of Rehabilitation Sciences	PolyU	(g)	4,470,546
23	COVID190223	Studying SARS-CoV-2 related coronavirus in pangolins	Dr Tommy LAM Tsan-yuk	School of Public Health	HKU	(g)	680,000