

FHB and Health and Medical Research Fund subsidies COVID-19 research (Batch 3 - approved in March to September 2021)

Key

AI: Administering Institution
 CUHK: The Chinese University of Hong Kong
 HKU: The University of Hong Kong
 PA: Principal Applicant
 PolyU: The Hong Kong Polytechnic University

Research Areas

(a) Post-market studies on COVID-19 vaccine effectiveness and identification of factors influencing vaccine uptake and protection;
 (b) Comprehensive follow up of COVID-19 survivors and their caregivers on their physical and mental wellness and long-term health issues;
 (c) Community psychobehavioural responses to COVID-19 in different populations;
 (d) Health economics studies on long term impact of COVID-19 to healthcare service utilisation;
 (e) Development of multidisciplinary and data-driven/data-informed approach to targeted infection control measures and outbreak response, for example, identifying risks of outbreaks in different social settings and the implications for control measures;
 (f) Social and behavioural interventions to reduce the spread of SARS-CoV-2 infection, for example, health education in more susceptible populations; and
 (g) Development of novel and effective strategies to enhance recovery from COVID-19 and/or relevant implementation models to prevent SARS-CoV-2 infection.

No.	Ref. no.	Project title	PA	Department	AI	Research area	Requested amount (HK\$)
1	COVID19F01	COVID-19 vaccines Adverse events Response and Evaluation (CARE) Programme	Prof Ian WONG Chi-kei	Department of Pharmacology and Pharmacy	HKU	(a)	10,000,000
2	COVID19F02	To compare the reactogenicity and immunogenicity of the recommended COVID-19 vaccines in young adolescents in Hong Kong	Prof LAU Yu-lung	Department of Paediatrics and Adolescent Medicine	HKU	(a)	10,000,000
3	COVID19F03	Epidemic Intelligence and a data informed risk assessment system to inform policy decisions critical for maintaining systems control of COVID-19 in strategies to enhance recovery	Prof YEOH Eng-kiong	The Jockey Club School of Public Health and Primary Care	CUHK	(e)	9,998,954
4	COVID19F04	Psychobehavioural responses to COVID-19 and vaccine confidence in Hong Kong	Dr Michael NI Yuxuan	School of Public Health	HKU	(a), (c)	10,000,000
5	COVID19F05	Quantifying the impact of different public health and social measures on population mixing vis-à-vis contact matrices in Hong Kong	Dr Kathy LEUNG Sze-man	School of Public Health	HKU	(e)	9,990,378
6	COVID19F06	Early biomarkers in SARS-CoV-2 infection: correlation with short/medium/long-term clinical outcomes, and implications on acute patient management and long-term medical and health care	Prof Paul CHAN Kay-sheung	Department of Microbiology	CUHK	(b)	9,868,154
7	COVID19F07	Modulation of gut microbiota to enhance health and immunity in vulnerable individuals during COVID-19 pandemic	Dr Joyce MAK Wing-yan	Department of Medicine and Therapeutics	CUHK	(g)	9,980,840
8	COVID19F08	The long term spill-over impact of COVID-19 on health and healthcare of patients with non-communicable diseases: an in-depth outcome and health economic evaluation	Prof Cindy LAM Lo-kuen	Department of Family Medicine and Primary Care	HKU	(d)	9,334,600
9	COVID19F09	Randomized trial of COVID-19 booster vaccinations (Cobovax trial)	Prof Benjamin COWLING	School of Public Health	HKU	(a)	7,634,012
10	COVID1903001	Comprehensive assessment of longitudinal vaccine-induced immune responses, safety and potential effectiveness of COVID-19 vaccine	Prof Benjamin COWLING	School of Public Health	HKU	(a)	44,990,096
11	COVID1903002	Novel strategies to facilitate early detection, prevention and Intervention for long-Term Health problems related to COVID-19 (NovITor-COVID study)	Prof Francis CHAN Ka-leung	Faculty of Medicine	CUHK	(a), (b), (g)	45,529,737
12	COVID1903003	Long-term longitudinal comparisons of health status and immune responses in convalescent COVID-19 and vaccinated cohorts in Hong Kong	Prof David HUI Shu-cheong	Department of Medicine and Therapeutics	CUHK	(a), (b)	24,000,000
13	COVID1903006	A community-based participatory research approach to reduce the COVID-19 risk in Hong Kong: developing and testing social and behavioural interventions	Prof Alex MOLASIOTIS	School of Nursing	PolyU	(f)	27,605,783
14	COVID1903007	The 3P (Prevention, Protection and Promotion) approach as a novel and effective strategy to prevent infection and enhance recovery in individuals with COVID-19	Prof David MAN Wai-kwong	Department of Rehabilitation Sciences	PolyU	(b), (g)	28,279,650

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15	COVID1903008	Dynamics of the risk of SARS-CoV-2 transmission by exposure setting and the implications for public health policy development in Hong Kong	Prof Samuel WONG Yeung-shan	The Jockey Club School of Public Health and Primary Care	CUHK	(e), (f)	30,263,616
	COVID1903008 - Project A	Population cohort study for evaluating the involvement of exposure settings for SARS-CoV-2 infection and the risk of community transmission	Prof LEE Shui-shan	Stanley Ho Centre for Emerging Infectious Diseases			
	COVID1903008 - Project B	Identifying risks of outbreaks in work settings and the implications for control measures	Prof TSE Lap-ah	The Jockey Club School of Public Health and Primary Care			
	COVID1903008 - Project D	Improving infection control practices in residential care homes for the elderly in Hong Kong: a lesson from COVID-19	Dr KWOK Kin-on	The Jockey Club School of Public Health and Primary Care			
16	COVID1903010	Preparing for COVID-19 upcoming challenges by clinical and virological investigations	Prof YUEN Kwok-yung	Department of Microbiology	HKU	(a), (b), (g)	33,523,365
	COVID1903010 - Project 1	Determination of the susceptibility of emerging SARS-CoV-2 variants to neutralization	Dr Kelvin TO Kai-wang	Department of Microbiology			
	COVID1903010 - Project 2	Comparing immunogenicity against SARS-CoV-2 in COVID19 vaccinees and convalescent patients	Prof Ivan HUNG Fan-ngai	Department of Medicine			
	COVID1903010 - Project 3	Combination of mRNA and inactivated COVID-19 vaccines, a prospective cohort study	Prof Ivan HUNG Fan-ngai	Department of Medicine			
	COVID1903010 - Project 4	Evolving Immune Evasion of SARS-CoV-2 during COVID-19 Pandemic in Hong Kong	Prof CHEN Zhiwei	Department of Microbiology			
	COVID1903010 - Project 5	Development of a second-generation mRNA vaccine against COVID-19	Prof Huang Jian-dong	School of Biomedical Sciences			
	COVID1903010 - Project 6	Phenotypic characterization of SARS-CoV-2 during the post vaccination epidemics	Prof CHEN Honglin	Department of Microbiology			
	COVID1903010 - Project 7	Characterization of the efficacies of anti-COVID-19 treatments and vaccines against emerging SARS-CoV-2 variants	Dr Jasper CHAN Fuk-woo	Department of Microbiology			
	COVID1903010 - Project 8	Autoantibodies against interferons in COVID-19 patients, vaccine recipients and general population in Hong Kong: a marker for predicting severity and guiding treatment	Dr Siddharth SRIDHAR	Department of Microbiology			
	COVID1903010 - Project 9	Study of innate immune responses of SARS-CoV-2 variants using reverse genetics and animal model	Dr KOK Kin-hang	Department of Microbiology			
	COVID1903010 - Project 10	Identification of thioredoxin-based peptide aptamers for specific inhibition of the biological activities of SARS-CoV2 interferon antagonist proteins	Dr Richard KAO Yi-tsun	Department of Microbiology			
	COVID1903010 - Project 11	Optimize human airway organoids for modelling SARS-CoV-2 respiratory infection and assessing efficacy of countermeasures	Dr ZHOU Jie	Department of Microbiology			
	COVID1903010 - Project 12	Comparative transcriptomic analysis of SARS-CoV-2 and SARS-CoV and MERS-CoV using a highly susceptible human cell line	Dr YEUNG Man-lung	Department of Microbiology			
	COVID1903010 - Project 13	Identification of broad-spectrum antivirals against SARS-CoV-2 variants	Dr ZHAO Hanjun	Department of Microbiology			
	COVID1903010 - Project 14	Investigation on the pathogenesis of SARS-CoV-2 and emerging SARS-CoV-2 variants in hACE2 mice	Dr CHU Hin	Department of Microbiology			
	COVID1903010 - Project 15	Reversing the host metabolic disorder for pan-coronavirus intervention	Dr YUAN Shuofeng	Department of Microbiology			
	COVID1903010 - Project 16	Investigation of the role of gut microbiota in COVID-19 vaccine immunogenicity and adverse events with development of predictive scoring systems	Dr Michael CHEUNG Ka-shing	Department of Medicine			
COVID1903010 - Project 17	The impact of diabetes on adverse clinical outcomes in coronavirus disease 2019 – predictors and mechanisms	Dr LEE Chi-ho	Department of Medicine				
17	COVID1903011	HKU Optimizing Protection and Effectiveness (HOPE) of COVID19 Vaccines	Dr Philip LI Hei	Department of Medicine	HKU	(a)	12,511,372
18	COVID1903015	Strengthening sewage surveillance for SARS-CoV-2	Prof ZHANG Tong	Department of Civil Engineering	HKU	(g)	9,092,120