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	2.00	Project Information			A	Materials Available for Reference 1-page Preliminary Full Proposal Presentation				
Exercise	Ref. No.	Project Title		Name of Project Coordinator (Affiliation)	Awarded Amount from RGC (HK\$)	1-page Summary	Preliminary Proposal	Full Proposal	Presentation File for RGC Interview	
2009/10	CUHK5/CRF/09	TGF-β Signaling in End-Stage Organ Diseases: Molecular Mechanisms and Therapeutic Implications	Abstract	Lan Hui-yao (Medicine and Therapeutics / Li Ka Shing Institute of Health Sciences)	6,900,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2010/11	CUHK3/CRF/10	High Precision Measurement of Neutrino Oscillation at Daya Bay	Abstract	Chu Ming-chung (Physics)	6,990,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2011/12	CUHK2/CRF/11G	EXPO (Exocyst-positive Organelle): Dynamics, Biogenesis and Function in Plants	Abstract	Jiang Liwen (Life Sciences)	7,356,000	Please cont	act Prof. Jiang at l	jiang@cuhk.edu.h	k for details	
2011/12	CUHK3/CRF/11G	Genomic and Molecular Studies of a Salinity Tolerance Locus in the Wild Soybean Genome	Abstract	Lam Hon-ming (Life Sciences)	6,987,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2011/12	CUHK5/CRF/11G	Memories and Monuments: Migration from South China to "Chinese Cities" in Different Colonial Settings, 1830-1930s	Abstract	Leung Yuen-sang (History)	3,606,000		NA			
2012/13	CUHK1/CRF/12G	Functional Plasmonics with Energy Localization for Sensing, Nano-Actuation and Optoelectronics	Abstract	Ho Aaron Ho-pui (Electronic Engineering)	5,000,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2012/13	CUHK3/CRF/12R	Macrophage-Myofibroblast-Transition in Organ Fibrosis: Molecular Mechanisms and Clinical Implications	Abstract	Lan Hui-yao (Medicine and Therapeutics / Li Ka Shing Institute of Health Sciences)	8,800,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2012/13	CUHK4/CRF/12G	Multifunctional Ultrasensitive Sensing with Hybrid Gold-Diamond Nano-Systems	Abstract	Liu Ren-bao (Physics)	5,000,000	Please conta	act Prof. Liu at rbli	u@phy.cuhk.edu.	hk for details	
2012/13	CUHK7/CRF/12G	Development of New Methodologies for New Carborane Materials	Abstract	Xie Zuowei (Chemistry)	8,000,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2013/14	CUHK1/CRF/13G	Targeting RNA and Protein Toxicities of Polyglutamine Diseases Using Peptidylic Inhibitors	Abstract	Chan Edwin Ho-yin (Life Sciences)	7,044,220	$\sqrt{}$	NA	$\sqrt{}$	$\sqrt{}$	
2013/14	CUHK4/CRF/13G	Searching for New Physics with the Large Hadron Collider	Abstract	Chu Ming-chung (Physics)	8,661,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2013/14	CUHK6/CRF/13G	Assistive Surgical Robots	Abstract	Liu Yunhui (Mechanical and Automation Engineering)	9,896,000	$\sqrt{}$	NA	√	$\sqrt{}$	
2013/14	CUHK8/CRF/13G	Reading Development in Chinese and in English: Genetic and Neuroscience Correlates	Abstract	McBride Catherine (Psychology)	7,511,385	$\sqrt{}$	NA	√	√	
2014/15	C4011-14R	EXPO and Autophagosome in Plants	Abstract	Jiang Liwen (Life Sciences)	8,360,000	Please contact Prof. Jiang at ljiang@cuhk.edu.hk for details				
2014/15	C4014-14G	Elucidating the Molecular Defects Associated with PTEN Mutations in Autism Spectrum Disorders	Abstract	Chan Andrew Man-lok (Biomedical Sciences)	5,330,831	NA	√	√	$\sqrt{}$	
2014/15	C4017-14G	Functional Liver Cancer Epigenomics: Exploiting Epigenetic Vulnerabilities for Therapeutics	Abstract	Cheng Alfred Sze-lok (Biomedical Sciences)	7,418,375	NA	√	√	$\sqrt{}$	
2014/15	C4028-14G	Joint R&D of Biometals as Orthopaedic Implants	Abstract	Qin Ling (Orthopaedics and Traumatology)	6,190,010	NA	√	√	$\sqrt{}$	
2014/15	C4030-14G	Non-planar Polycyclic Arenes: From Molecules to Materials	Abstract	Miao Qian (Chemistry)	6,300,000	NA	√	√	Х	
2014/15	C4042-14G	Marine Genomics: Crustacean Evolution and Aquaculture	Abstract	Chu Ka-hou (Life Sciences)	7,200,000	NA	√	√	$\sqrt{}$	
2014/15	C4047-14E	A Tier-2 Computing Center for Fundamental Physics	Abstract	Chu Ming-chung (Physics)	3,997,500	NA	√	√	$\sqrt{}$	
2016/17	C4012-16E	The First Integrated cryo-EM and cryo-ET Shared Facility for Life Sciences Research in Hong Kong	Abstract	Jiang Liwen (Life Sciences)	9,500,000	Please cont	act Prof. Jiang at I	jiang@cuhk.edu.h	k for details	
2017/18	C4002-17G	Molecular Mechanisms of Autophagy and Autophagosome in Plants	Abstract	Jiang Liwen (Life Sciences)	7,209,550	Please contact Prof. Jiang at Ijiang@cuhk.edu.hk for details				
2017/18	C4026-17W	Joint R&D of Magnesium-based Orthopaedic Implants	Abstract	Qin Ling (Orthopaedics and Traumatology)	5,545,807	NA	√	√	$\sqrt{}$	
2017/18	C4054-17W	Reading, Writing, and Mathematics: Behavioral Genetics, Molecular Genetics, and Neuro Markers of Early Academic Achievement in Hong Kong Chinese Children	Abstract	McBride Catherine (Psychology)	6,716,587	NA	√	√	$\sqrt{}$	
2018/19	C4041-18E	A State-of-the-art X-ray Diffraction Facility for Structural Biology Research in Hong Kong	Abstract	Wong Kam-bo (Life Sciences)	2,306,960	NA	√	√	$\sqrt{}$	
2018/19	C4045-18W	Deciphering Enhancer Regulation of Tumor Immune Evasion to Develop New Combination Immunotherapies	Abstract	Cheng Alfred Sze-lok (Biomedical Sciences)	6,990,790	Please contact Prof. Cheng at alfredcheng@cuhk.edu.hk for details				
2018/19	C4057-18E	A Nanochannel-based Next-generation Mapping System for the Study of Complex Genomic Feature and Variation for Biotechnological and Biomedical Applications	Abstract	Chan Ting-fung (Life Sciences)	2,173,431	NA	√	√	$\sqrt{}$	
2019/20	C4033-19E	Prize Transcrived State-of-the-Art Sample Preparation System for Cryo-Electron Microscopy/Tomography Analysis to Promote Advanced Cellular and Structural Biology Research in Hong Kong	Abstract	Jiang Liwen (Life Sciences)	7,439,308	Please contact Prof. Jiang at Ijiang@cuhk.edu.hk for details				
2020/21	C4002-20W	Vacuole Dynamics, Biogenesis and Functions in Plants	Abstract	Jiang Liwen (Life Sciences)	6,400,000	Please cont	act Prof. Jiang at I	jiang@cuhk.edu.h	k for details	
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LACICISE	Rei. No.	Project fide		(Affiliation)	Amount from RGC (HK\$)	Summary	Proposal	Tuli Proposal	File for RGC Interview	
2020/21	C4012-20E	Hong Kong's Window on the Universe: Building a Pioneering Submillimetre Astronomical Camera	Abstract	Li Hua-bai (Physics)	3,100,000	NA	√	√	√	
2020/21	C4015-20E	Earth BioGenome Project: Hong Kong	Abstract	Hui Jerome Ho-lam (Life Sciences)	3,250,000	NA	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
One-off COVID-19 and NID (2020/21)	C4158-20G	(Mis)communication, Trust, and Information Environments : A Comparative Study of the COVID-19 "Infodemics" in Four Chinese Societies	Abstract	Wei Ran (Journalism and Communication)	3,067,301	NA	√	$\sqrt{}$	$\sqrt{}$	
	C4032-21G	Dissecting the Therapeutic Mechanism of an Effective Combination Treatment Targeting Neuromuscular Junction Degeneration and Myosteatosis to Combat Sarcopenia	Abstract	Cheung Louis Wing-hoi (Orthopaedics and Traumatology)	4,772,807	NA	√	√	$\sqrt{}$	
2021/22	C4044-21G	Multi-modal Approaches to Determine Digital Clinical Phenotyping, Novel Proteomic Biomarkers, and Microbiota-host Responses of REM Sleep Behavior Disorder, a Prodromal Stage of Alphasynucleinopathy Neurodegeneration, in a Prospective Family Cohort	Abstract	Wing Yun-kwok (Psychiatry)	7,214,620	NA	√	√	√	
2021/22	C4062-21G	Recurrent First Trimester Miscarriage: Genetic	Abstract	Choy Richard Kwong-wai	8,021,650	NA	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
2021/22	C4002-21E	Etiology, Diagnosis and Prevention The First Integrated State-of-the-Art Live Cell Imaging Platforms to Timely Promote Interdisciplinary and Advanced Life Sciences Research in Hong Kong and Beyond	Abstract	(Obstetrics and Gynaecology) Jiang Liwen (Life Sciences)	10,000,000	Please contact Prof. Jiang at Ijiang@cuhk.edu.hk for details				
Second Round One-off COVID-19 and NID (2021/22)	C4061-21G	Neuropsychiatric 'Long-COVID' in Adult Patients	Abstract	Chau Steven Wai-ho (Psychiatry)	3,251,480	NA	√	√	<i>√</i>	
Second Round One-off COVID-19 and NID (2021/22)	C4072-21G	High-precision and Privacy-preserving Indoor Social Contact Tracking Technologies for Infectious Disease Transmission Modeling and Control	Abstract	Xing Guoliang (Information Engineering)	7,775,600	NA	√	V	V	
Second Round One-off COVID-19 and NID (2021/22)	C6036-21G	From Structural to Genomic Biology: A Multi-scale Approach Tightly Integrating Structural Biology and Novel Genomics Platform to Quantitatively Analyze the Transcription and its Regulation of SARS-COV-2 Viral RNA Polymerase	Abstract	Cheung Peter Pak-hang (Chemical Pathology)	8,000,000	Please contact Prof. Cheung at ppcheung@cuhk.edu.hk for details				
	C4006-22G	Lingnan Culture and the World: Construction and Change in the Cultural Landscape of Cantonese Literati from the Late Qing to the Republican Era in China (1821–1949)	Abstract	Lai Chi-tim (Cultural and Religious Studies)	4,070,718	NA	√	$\sqrt{}$	$\sqrt{}$	
2022/23	C4074-22G	Adaptive 3D Printing: Design, Manufacturing, Modeling and Optimization	Abstract	Liao Wei-hsin (Mechanical and Automation Engineering)	7,338,893	NA	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
2022/23	C4004-22Y	Artificial Intelligence (AI)-assisted Risk-based Prostate Cancer Detection: A Synergy of Novel Biomarkers, Advanced Imaging, and Robotic-assisted Diagnosis	Abstract	Chiu Peter Ka-fung (Surgery)	1,661,542	NA	NA	√	$\sqrt{}$	
2022/23	C4005-22Y	Fundamental-Studies-Guided Growing of High-Quality, Mechanically Stable, Reduced-Dimensional Perovskites for Scalable Flexible Optoelectronic Devices	Abstract	Liu Xinhui (Physics)	4,169,826	NA	NA	√	$\sqrt{}$	
2023/24	C4001-23G	Curved π-Conjugated Systems: from Synthesis to Devices	Abstract	Miao Qian (Chemistry)	8,204,162	NA	$\sqrt{}$	NA	NA	
2023/24	C4004-23G	Spatially Resolved in Operando Temperature Sensing in Electrochemical Devices by Nananodiamond Quantum Sensors	Abstract	Li Quan (Physics)	6,054,634	NA	√	$\sqrt{}$	$\sqrt{}$	
2023/24	C4014-23G	Molecular Mechanisms of Vacuole Biogenesis and Vacuole Fission in Plants	Abstract	Jiang Liwen (Life Sciences)	9,500,000	Please contact Prof. Jiang at Ijiang@cuhk.edu.hk for details				
2023/24	C4042-23G	Intelligent Surgical Robotic Assistant with Multimodal- Al Perception and Interaction	Abstract	Li Zheng (Surgery)	7,778,633	Please contact Prof. Li at lizheng@cuhk.edu.hk for details				
2023/24	C4049-23E	Al Perception and Interaction A Long-read and High Throughput DNA Sequencing Platform for Studying Genomic Landscapes and Metagenomics Involvement in Human Diseases	Abstract	Tsui Kwok-wing (Biomedical Sciences)	7,299,832	NA	√	√	$\sqrt{}$	
2023/24	C4050-23G	Investigating Long-range Many-body Physics with Ultracold Dipolar Gases in Optical Lattices	Abstract	Wang Dajun (Physics)	6,759,707	NA	√	$\sqrt{}$	$\sqrt{}$	
2023/24	C4001-23Y	A Predictive Personalization Approach to Enhance Foreign Language Learning and Teaching	Abstract	Feng Gangyi (Linguistics and Modern Languages)	4,845,992	Please cont	act Prof. Feng at g	.feng@cuhk.edu.h	k for details	

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2023/24	C4003-23Y	Uncovering the Whole Spectrum of Genetic Variations Underlying Schizophrenia and its Prognosis: A Whole- genome Sequencing (WGS) Study and Prediction Modeling with Machine Learning Approaches	Abstract	So Hon-cheong (Biomedical Sciences)	4,673,639	Please contact Prof. So at hcso@cuhk.edu.hk for details				
2023/24	C4004-23Y	Intercepting the Mitochondrial-to-Nuclear Communication for Treatment of Vascular Inflammation and Atherosclerosis	Abstract	Tian Xiaoyu (Biomedical Sciences)	3,661,367	Please contact Prof. Tian at xytian@cuhk.edu.hk for details				
2024/25	C4007-24E	Live Imaging of Early Embryonic Developmental Processes at Subcellular Level with a High[1]throughput Dual View Light Sheet Microscope	To be provided in due course	CHAN David Yiu-leung (Obstetrics and Gynaecology)	2,815,200	$\sqrt{}$	√	√	√	
2024/25	C4028-24G	Transforming Chinese Agriculture and Food Systems to Mitigate Reactive Nitrogen Emissions and their Contribution to Air Pollution and Climate Change	To be provided in due course	TAI Amos Pui-kuen (Earth and Environmental Sciences)	3,395,284	$\sqrt{}$	$\sqrt{}$	√	√	
2024/25	C4038-24G	Development of Modular Microrobots and the Image- guided Intervention for Minimally Invasive Anti-adhesion Treatment after Tubal Cannulation		ZHANG Li (Mechanical and Automation Engineering)	8,095,285	$\sqrt{}$	$\sqrt{}$	√	√	
2024/25	C4042-24G	Targeting Metabolic Vulnerabilities to Overcome Chemotherapy and Immunotherapy Resistance in Colorectal Cancer	To be provided in due course	WONG Chi-chun (Medicine and Therapeutics)	6,000,000	$\sqrt{}$	√	√	√	
2024/25	C4043-24E	C-FIST: Establishing World's Premier Environmental Organic Carbon Fingerprint Imaging Science & Technology Laboratory in Hong Kong	To be provided in due course	CHOW Alex Tat-shing (Earth and Environmental Sciences)	3,535,400	$\sqrt{}$	√	√	√	
2024/25	C4002-24Y	Clinical and Mechanistic Investigation of the Cross Reactivity of Antibodies against Emerging Viral Variants to Facilitate Vaccine Design	To be provided in due course	CHEUNG Peter Pak-hang (Chemical Pathology)	4,500,000	$\sqrt{}$	NA	Please contact Prof. Cheung at ppcheung@cuhk.edu.hk for details		
2024/25	C4004-24Y	3D Photonic-electronic Neural Network Enabling Versatile and Large-scale Al Computing	To be provided in due course	HUANG Chaoran (Electronic Engineering)	4,087,800	$\sqrt{}$	NA	NA	√	
2024/25	C4005-24Y	Base Editing as an Intervention Strategy for Neurodevelopmental Disorders: Investigating Pathophysiological Mechanisms and Therapeutic Applications	To be provided in due course	IP Jacque Pak-kan (Biomedical Sciences)	4,494,600	Please contact Prof. IP at jacqueip@cuhk.edu.hk fro details				