

附件 – 理大獲醫療衛生研究基金（2022 年度撥款）資助的項目

領導研究人員	研究項目（只有英文）	資助金額（港幣）
工程學院		
生物醫學工程學系助理教授（研究）張忠偉博士	Integrated acoustic and carbon nanotube biosensors with deep-learning algorithms for dysphagia screening: a pilot study	\$495,900
醫療及社會科學院		
醫療科技及資訊學系副教授鄭競業博士	Circulating plasmalogens and their metabolism as biomarkers and therapeutic targets for pancreatic β -cell dysfunction in type 2 diabetes.	\$1,499,000
醫療科技及資訊學系助理教授李卓倫博士	Early-pregnancy prediction of preeclampsia using maternal serum levels of sialylated S100 calcium-binding protein A9 and alpha-2 Heremans- Schmid glycoprotein	\$946,888
醫療科技及資訊學系助理教授李凱怡博士	Association of TSH and FT4 levels, thyroid dysfunctions, and treatments of hyperthyroidism with incident dementia: a population- based cohort study	\$488,600
醫療科技及資訊學系助理教授（研究）任格博士	Investigation of a novel AI-empowered pulmonary perfusion imaging technique based on cone beam computed tomography for functional image-guided adaptive radiotherapy of lung cancer	\$1,500,000
醫療科技及資訊學系教授蕭傑恒教授	Risk assessment and surveillance of the transmission of foodborne antimicrobial resistance in Hong Kong	\$1,499,500
康復治療科學系副教授黃宇樂博士	Feasibility, effectiveness, and patient experience of an online acceptance and commitment therapy plus exercises versus online education plus exercises for older people with chronic low back pain: a pilot randomized controlled trial	\$499,530
康復治療科學系副教授黃偉龍博士	The efficacy of a specific dance intervention to improve the balance and reduce the risks of falls (SDIIBRF) in older adults: a randomised controlled trial	\$892,214
康復治療科學系助理教授辛美琪博士	Understanding professional help-seeking behaviors for insomnia and the associated factors in the community-dwelling older population having insomnia symptoms	\$499,512
康復治療科學系助理教授徐幻博士	Estimation of a Valuation Function for the Health and Self- Management in Diabetes Questionnaire in Hong Kong	\$500,000

護理學院助理教授鍾愛群博士	Efficacy of mountain craft training at improving resilience and psychological well-being and reducing fatigue in childhood cancer survivors: a pilot randomised controlled trial	\$462,260
護理學院助理教授過培健博士	Effects of a single-session mindfulness-based intervention for reducing stress in family caregivers of people with dementia: a randomized controlled trial	\$1,021,000
護理學院副學院主任（深造教育）及教授雷逸華教授	The effects of music-with-movement (simultaneous cognitive-motor dual-task training) on cognitive and physical performance of people with potentially reversible cognitive frailty: a randomized controlled trial	\$1,478,766
護理學院助理教授趙妍博士	Supporting current home care services with a robot-mediated interactive intervention (RMII) to reduce loneliness in older adults: a feasibility and pilot randomized controlled trial	\$500,000
眼科視光學院助理教授秦嘉敏博士	Investigating the predictive capabilities of choroidal parameters for the effectiveness of myopia control in schoolchildren	\$1,493,290
理學院		
應用生物及化學科技學系助理教授蔡松霖博士	Developing Juglone as a novel antivirulence agent to eliminate biofilm infections	\$500,000