

附件 – 理大获医疗卫生研究基金（2022 年度拨款）资助的项目

领导研究人员	研究项目（只有英文）	资助金额（港币）
工程学院		
生物医学工程学系助理教授（研究）张忠伟博士	Integrated acoustic and carbon nanotube biosensors with deep-learning algorithms for dysphagia screening: a pilot study	\$495,900
医疗及社会科学院		
医疗科技及信息学系副教授郑竞业博士	Circulating plasmalogens and their metabolism as biomarkers and therapeutic targets for pancreatic β -cell dysfunction in type 2 diabetes.	\$1,499,000
医疗科技及信息学系助理教授李卓伦博士	Early-pregnancy prediction of preeclampsia using maternal serum levels of sialylated S100 calcium-binding protein A9 and alpha-2 Heremans- Schmid glycoprotein	\$946,888
医疗科技及信息学系助理教授李凯怡博士	Association of TSH and FT4 levels, thyroid dysfunctions, and treatments of hyperthyroidism with incident dementia: a population- based cohort study	\$488,600
医疗科技及信息学系助理教授（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
医疗科技及信息学系教授萧杰恒教授	Risk assessment and surveillance of the transmission of foodborne antimicrobial resistance in Hong Kong	\$1,499,500
康复治疗科学系副教授黄宇乐博士	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
康复治疗科学系副教授黄伟龙博士	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
康复治疗科学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
康复治疗科学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

护理学院助理教授钟爱群博士	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
护理学院助理教授过培健博士	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
护理学院副院长主任（深造教育）及教授雷逸华教授	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
护理学院助理教授赵妍博士	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
眼科视光学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
理学院		
应用生物及化学科技学系助理教授蔡松霖博士	Developing Juglone as a novel antivirulence agent to eliminate biofilm infections	\$500,000