

Background

RCMI was established in October 2021 as a university-level platform to facilitate impactful interdisciplinary research at The Hong Kong Polytechnic University.

With over 40 faculty members from 7 departments with interdisciplinary expertise, RCMI aims to conduct high impact research to provide scientific evidence to elucidate traditional Chinese Medicine (TCM) theory for better understanding by the research community, medical community and the general public. RCMI is committed to foster inter-disciplinary and translational research for developing novel drugs, new treatment protocol and program based on TCM practices for application in the clinical setting or community. We will also provide consultancy services to different stakeholders in TCM quality control, TCM-based drug discovery and development, as well as treatment protocol for enhancing physical wellness for the benefit of the community. Collectively, our center provides support and leadership in bringing Chinese medicine innovations into clinical practice and relevant policy to promote safer use and good practice of Chinese medicine.

Vision and Mission

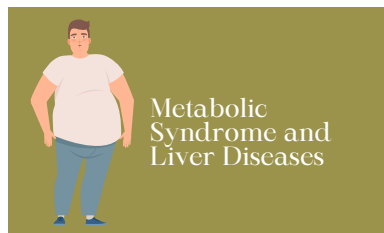
VISION

To become a leading institute for the research and application of Chinese Medicine (CM) treatment and practices for the improvement of the people's health and well-being.

MISSION

- To conduct high impact research to provide scientific evidence to the traditional Chinese Medicine (TCM) theory for better understanding by the research community, medical community and the general public.
- To foster inter-disciplinary and translational research of CM-based drugs, practices and other applications within the PolyU community
- To build up a hub for idea exchange and young scientists training in PolyU, HK and the Greater Bay Area (GBA).
- To advocate the application of CM in primary care.
- To provide one-stop service for CM-based projects.

Research Directions



Research Facilities



PolyU – Increasepharm Joint Research Laboratory for New Drug Development



Shenzhen Research Institute



Herbal Medicine Learning Centre



The Yuen Yuen Institute Chinese Medicinal Nursing Laboratory



Cell culture laboratory



East-meets-West and Psychosocial Rehabilitation Lab

Funded Projects

 Tier 1 Interdisciplinary Collaborative Research	 Tier 2 Exploratory Research
Dr Do Chi-wai (SO) Potential therapeutic functions of Traditional Chinese Medicines in ocular disease management	Dr CHEN Guoqing (SZRI) - Mechanism study of inducing oncosis via targeting NDRG2 for anti-hepatocellular carcinoma activity of Arnicolide D
Prof. Hector Tsang (RS) Traditional Chinese Medicine (TCM)-based body works as integrative solutions for physical and psychological wellness: Addressing sedentariness in middle-aged office workers and sleep disturbance in older adults	Dr CHEN Sibao (ABCT) - A natural sesquiterpenoid lactone, brevilin A suppresses growth of triple negative breast cancer via decreasing PD-L1 expression
Dr Jerry Yeung (SN) Acupoint Herbal Plasters for Insomnia in Peri-menopausal Women	Dr XIAO Huihui (SZRI) - Development of a hydrogel carrying vanillic acid for treatment of periodontal diseases
Dr Kenneth Cheng (HTI) Identification and development of evidence-based Chinese medicine for the treatment of type 2 diabetes by targeting adipose tissue inflammation	Dr LI Xiaoxiao (SZRI) - Anti-neuroinflammation effects of natural flavone Tricin on cognitive impairment in mice
Dr Seto Sai-wang (ABCT) Multi-target strategy of Chinese herbal medicine for menopause-associated cognitive decline	Dr ZHANG Huan (ABCT) - Study of the effects of traditional Chinese medicine combined with probiotics against hypercholesterolemia
Prof. Shamay Ng (RS) Acupoints stimulation works as integrative solutions for physical and psychosocial wellness:	Dr TSOI Bun Amy (ABCT) - Evaluating the neuroprotective effect of Coicis semen using ischemia/reperfusion animal model
Dr Billy So (RS) Addressing sleep disturbance in stroke survivors and exercise-induced muscle soreness in young athletes	Dr Franklin CHOW (HTI) - Investigation of the anti-multidrug resistance organisms (MDRO) properties of Lantana camara L. extracts
Dr Thomson Wong (RS) Addressing sleep disturbance in stroke survivors and exercise-induced muscle soreness in young athletes	Dr Daisy ZHAO (ABCT) - Mechanistic insights into the anti-diabetic effects of Rubus suavissimus leaf extract in association with gut-derived metabolites
Dr Vincent Keng (ABCT) The pre-clinical evaluation of traditional Chinese medicine (TCM)-derived compounds in the treatment of non-alcoholic fatty liver disease	Dr Sonata YAU (RS) - Investigation of the novel effects of Fufang Zhenzhu Tiaozhi on treating Depression: involvement in increased adiponectin levels
	Dr Grace XIE (SN) - A pilot neuroimaging and laboratory-based experimental study to explore the effect of Tai Chi on the alleviation of white matter lesions among migraine with aura women

Interdisciplinary expertise from seven departments



Department of Applied Biology and Chemical Technology



Department of Biomedical Engineering



Department of Health Technology and Informatics



Department of Rehabilitation Sciences



School of Design



School of Nursing



School of Optometry

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RCMI Website



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