

Mission Statement of the Institute of Cardiovascular Science and Medicine

The Institute of Cardiovascular Science and Medicine (ICSM) commits itself to strive for excellence in research, teaching and training in cardiovascular sciences which contributes to the prevention and patient management of cardiovascular diseases in Hong Kong.

We shall offer the highest standards of teaching research and scholarship in an interactive environment conducive to creativity, to innovative learning and to freedom of thought, enquiry and expression in all aspects of cardiovascular sciences.

We shall continue to undertake research, teaching and other forms of service in clinical and basic cardiovascular sciences which will advance our quest for wisdom, truth and excellence in biomedical science at large.

We shall make known the mission of this Institute in Hong Kong and internationally.

Governance

Council

The members of the Institute elect a Council, who are responsible for carrying out the work of the Institute according to its Mission, Objectives, By-Laws and Regulations. The Council consists of the Officers, the immediate Former Director (if available), and three to ten Council Members. The Officers of the Institute are the Director, Deputy Director, Honorary Secretary and Honorary Treasurer. The Twelfth Council of the Institute was elected at the 24th Annual General Meeting on 6th November 2021, and remained in office throughout 2023.

Twelfth Council of the ICSM

Director: Dr. K.K.H. Yiu

Deputy Director: Dr. S.W.S. Leung

Honorary Secretary: Dr. G.H.Y. Li

Honorary Treasurer: Dr. C.L. Cheung

Council Members:

Prof. B.M.Y. Cheung

Prof. Y. Huang

Dr G.P.H. Leung

Dr J.C.W. Mak

Professor D.C.W. Siu

Prof. X.Q. Yao

Membership

At the end of the year 2022, membership stood at 148, and consisted of 11 Founding Members, 64 Full Members, 7 Associate members and 66 Affiliate Members.

Criteria for membership

Clinicians, scientists, researchers and students with an interest in the cardiovascular field are invited to become members of the Institute. The classes of membership open to applicants are Full, Associate or Affiliate Membership.

All applicants for admission shall

1. Be at least 18 years of age; and
2. Be of good character and repute; and
3. Undertake in writing to adhere to the By-Laws of the Institute, as amended from time to time.

Applicants for admission as a Full Member shall also

1. Be a full time or honorary teacher (Assistant Professor, Honorary Clinical Lecturer or above) of the University of Hong Kong or be deemed to be holding an equivalent position; and
2. Be engaged in research in cardiovascular science or cardiovascular medicine, as evidenced by his or her published works.

Applicants for admission as Associates shall also

1. Possess either a medical degree (MBBS or equivalent) plus a higher qualification (MRCP or equivalent), or a doctorate (PhD or equivalent) in science; and
2. Be engaged in research in cardiovascular science or cardiovascular medicine.

Applicants for admission as Affiliates shall also

1. Possess a University degree or equivalent in medicine, nursing or science; and
2. Be engaged in or have a strong interest in cardiovascular research.

Applications for membership, accompanied by the appropriate supporting documents (e.g. resume, list of relevant publications, copies of certificates) should be submitted to the Honorary Secretary, to whom membership enquiries may also be addressed. The application form may be obtained by writing or e-mailing (icsm@hku.hk) to the Honorary Secretary, or it may be downloaded from the membership section of our website (<http://www.icsm-hk.org>).

Research

External Research Grants awarded in 2022 to members of the ICSM as Principal Investigator

Principal Investigator	Awarding Body	Project Title	Awards (HK\$)
Prof Yiu, Kai Hang	RGC GRF	Effect of empagliflozin on progression of left ventricular hypertrophy and myocardial dysfunction in patients with aortic stenosis: a randomized, double-blind, placebo-controlled trial	762,224
Dr Leung, Susan Wai Sum	RGC GRF	The novel impact of the cardiac glycoside ouabain on angiotensin II signaling: their interplay in the development of vascular dysfunction and progression of cardiovascular complications	1,178,185
Dr LI, Gloria Hoi Yee	RGC GRF	Identification of risk factors and examination of long-term health outcomes of thyrotoxic periodic paralysis: a population-based registry in Hong Kong using big data analytics approach	489,554
Prof Huang, Yu	RGC GRF	Inflammasome mediates YAP-induced chronic inflammation in endothelium during the initiation of atherosclerosis	1,374,355
Prof Tian, Xiaoyu	RGC GRF	Endothelial expression of PPAR δ is protective against endotoxemia induced vascular injury	1,087,768
Dr. Judith C.W. Mak	Commissioned Research on the Novel Coronavirus Disease (COVID-19)	The role of smoking on the regulation of ACE2-mediated infectability of COVID-19	1,997,000
Dr. David Montero Barril	HMRF	Exercise-induced erythropoiesis: the mechanistic role of angiotensin II	604,670

Publications of ICSM Members in 2022

- Au, C. M., Tan, K. C. B., **Cheung, B. M. Y.**, Wong, I. C. K., Li, H. L., & **Cheung, C. L.** (2022). Association Between SGLT2 Inhibitors vs DPP4 Inhibitors and Renal Outcomes Among Patients With Type 2 Diabetes. *The Journal of Clinical Endocrinology & Metabolism*, *107*, e2962. <https://doi.org/10.1210/clinem/dgac164>
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- Bai, Q., Xiao, Y., Hong, H., Cao, X., Zhang, L., Han, R., Lee, L. K. C., Xue, E. Y., **Tian, X. Y.**, & Choi, C. H. J. (2022). Scavenger receptor-targeted plaque delivery of microRNA-coated nanoparticles for alleviating atherosclerosis [Article]. *Proceedings of the National Academy of Sciences of the United States of America*, *119*(39), Article e2201443119. <https://doi.org/10.1073/pnas.2201443119>
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- Bian, Y., Wang, X., Liang, J. H., Li, L., Wu, X., Tang, B., **Leung, G. P. H.**, & Lee, S. M. Y. (2022). The development of behavioral sensitization induced by a single morphine exposure in adult zebrafish (*Danio rerio*). *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, *113*, article no. 110456. <https://doi.org/10.1016/j.pnpbp.2021.110456>
- Blais, J. E., Yan, K. C., Zhao, J., Chui, S. L. C., Wong, I. C. K., **Siu, D. C. W.**, & Chan, E. W. Y. (2022). Low-density lipoprotein cholesterol treatment target achievement in patients with myocardial infarction, percutaneous coronary intervention, or stroke in Hong Kong. *Reviews in Cardiovascular Medicine*, *23*, 327. <https://doi.org/10.31083/j.rcm2310327>
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EHRA/HRS/LAHRs/APHRs [Article]. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 24(10), 1691-1708.
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Cao, H., Chung, A. C. K., Ming, X., Mao, D., Lee, H. M., Cao, X., Rutter, G. A., Chan, J. C. N., **Tian, X. Y.**, & Kong, A. P. S. (2022). Autotaxin signaling facilitates β cell dedifferentiation and dysfunction induced by Sirtuin 3 deficiency [Article]. *Molecular Metabolism*, 60, Article 101493.
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