

香港大學心臟血管研究所

THE INSTITUTE OF CARDIOVASCULAR
SCIENCE AND MEDICINE



2009 Annual Report

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. Each Council serves the Institute for a period of two years. The Sixth Council of the Institute held office from December 2007 to December 2009, and the Seventh Council of the Institute was elected at the 12th Annual General Meeting on 12th December 2009

Sixth Council of the ICSM (December 2007 – December 2009)

Director:	Professor C.P. Lau	Council	Dr. M.L. Fung
		Members:	Professor Y. Huang
Deputy			Dr. K.L.F. Lee
Director:	Professor P.M. Vanhoutte		Dr. G.P.H. Leung
Honorary			Dr. G.R. Li
Secretary:	Dr. H.J. Ballard		Professor R.Y.K. Man
Honorary			Dr. H.F. Tse
Treasurer:	Professor S.S.M. Chung		Professor T.M. Wong

Seventh Council of the ICSM (from December 2009)

Director:	Professor P.M. Vanhoutte	Council	Professor B.M.Y Cheung
		Members:	Professor Y.F. Cheung
Deputy			Professor S.S.M. Chung
Director:	Dr. K.L.F. Lee		Dr. M.L. Fung
			Professor C.P. Lau
Honorary			Dr. G.P.H. Leung
Secretary:	Dr. H.J. Ballard		Dr. G.R. Li
			Dr. H.F. Tse
Honorary			Professor T.M. Wong
Treasurer:	Dr. S.W.S. Leung		Professor X.Q. Yao

Membership

At the end of the year 2009, membership stood at 121, and consisted of 11 Founding Members, 3 Life Members, 36 Full Members, 7 Associate members and 64 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 (eg. 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@hkucc.hku.hk) to the Honorary Secretary, or it may be downloaded from the membership section of our website (<http://www.icsm-hk.org>)

Research

Scientific Meetings

The Thirteenth Annual Scientific Meeting: Co-morbidity hypertension / diabetes: which one do we treat?

The Thirteenth Annual Scientific Meeting was held on December 12th 2009 at the Hong Kong Convention & Exhibition Centre, thanks to generous sponsorship from Servier International. The Co-Chairmen of this highly successful Meeting were Professor Paul Vanhoutte, Professor Tse Hung Fat, Dr. George Leung and Dr. Kathy Lee.

Invited lectures on hypertension and diabetes were given by a distinguished panel of overseas and local speakers: the morning speakers included Professor Huang Yu from the Chinese University of Hong Kong, speaking on "Endothelial dysfunction: the common consequence in diabetes and hypertension", Professor Richard Cohen from Boston University, U.S.A., speaking on "Vascular oxidative stress: the common risk", and Professor Michel Félétou from Institut Research Servier, France, speaking on the topic "The TP3 receptor: the common villain". The same theme continued in the afternoon, with presentations from Professor Bernard M.Y. Cheung of the University of Hong Kong on "The hypertension-diabetes continuum", Professor John Chalmers, University of Sydney, Australia, on "The importance of blood pressure lowering in type 2 diabetes", and Professor Michel Marre from University Paris VII, France, on "Glycemic intervention and vascular prognosis of people with diabetes". These symposia were further enhanced with a case-based interactive session on "Hypertension and Diabetes" in the late afternoon.

The meeting also included both oral and poster presentations by young investigators: 40 abstracts were submitted for the meeting, and prizes were awarded to the best oral communications and the best poster presentations. The Young Investigator Awards were sponsored by the Sun Chieh Yeh Heart Foundation.

Press Conferences

A press conference was held by Professor Cheung Yiu Fai, on the Children Thalassaemia Foundation Jeans for Genes Day in 2009, entitled: "Effect of deferasirox (ICL670) on arterial function in patients with beta-thalassaemia major".

External Research Grants awarded in 2009 to members of the ICSM

Principal / Co-Investigator	Awarding Body	Project Title	Award
Y F Cheung (PI)	RGC GRF	Right and Left Ventricular Mechanical Dyssynchrony in Iron Loaded Patients with Beta-Thalassaemia Major	HK\$ 614,055
Y F Cheung (PI)	Children Thalassaemia Foundation	Ventricular mechanical dyssynchrony in iron loaded patients with beta-thalassaemia major	HK\$ 200,000
G W He (PI) Q Yang (CI)	The Ministry of Science and Technology, Peoples' Republic of China	Research, Development, and Clinical Application of Biomarkers in Important Cardiac Diseases	RMB 3,700,000
G W He (PI)	The Ministry of Science and Technology, Peoples' Republic of China	Studies on the Genetic Mechanism of the Development of Cardiac Septal Defects	RMB 1,800,000
G W He (PI)	Tianjin Municipal Science and Technology Commission	Genetic (GWAS) and Related Functional Studies on Coronary Artery Disease in Chinese	
RYK Man (PI) SWS Leung (CI)	RGC GRF	Protective effects of vitamin D on endothelial dysfunction in hypertension	HK\$ 680,340
K F J Ng (PI)	RGC GRF	Vascular effects of dexmedetomidine	HK\$ 566,820
P M Vanhoutte (PI)	RGC GRF	Protective effect of lipocalin-2 deficiency on aging- and dietary obesity-induced endothelial dysfunction	HK\$ 1,610,000
Q Yang (PI)	RGC GRF	Modulation of Intermediate- and Small-Conductance Calcium-Activated Potassium Channels in Coronary Endothelium in Response to Hypoxia	HK\$ 944,700
X Q Yao (PI)	RGC GRF	Functional Role of Endothelial TRPV4-TRPC1 Complex in Vascular Tone Control	HK\$ 944,700

ICSM Publications in 2009

Abstracts from the Thirteenth Annual Scientific Meeting (held in December 2009) were published in the October 2009 issue of the Journal of the Hong Kong College of Cardiology (Volume 17, Number 2).

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Bernard Cheung	THE HYPERTENSION-DIABETES CONTINUUM	49
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Al-Mashhadi RH, Skott O, **Vanhoutte PM**, Hansen PB. Adenosine dilates the cortical efferent arteriole of the mouse by activating A₂ adenosine receptors. **Kidney International** 75: 793-799, (2009).

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