

14-18 August 2023 Croucher Summer Course
Arterial Ageing: from Mechanisms to Applications

PROGRAM

Day 0 (August 13, 2023)	
5:30 PM – 8:30 PM	Registration and Welcome Reception
Day 1 (August 14, 2023)	
8:30 AM – 9:30 AM	Registration and Opening
10:00 AM – 12:00 PM	SESSION 1: Arterial Ageing Process (Chair:)
10:00 AM – 11:00 AM	IL01 - Stefan Chlopicki (PL) <i>Endothelial dysfunction in ageing and other cardiovascular diseases</i>
11:00 AM – 12:00 PM	IL02 – Lars Jørn Jensen (DK) <i>Functional, structural and proteomic changes of resistance arteries in ageing</i>
	Lunch Break
2:00 PM – 2:30 PM	OR01 - Junlei Chang (MLC) <i>BBB aging and neurodegenerative disease</i>
2:30 PM – 3:00 PM	OR02 -
3:00 PM – 3:30 PM	OR03 -
3:30 PM – 4:30 PM	MODERATED POSTER SESSION I (TBC) PS01 - PS02 - PS03 - PS04 - PS05 -
4:30 PM – 6:00 PM	WORKSHOP 1: Jo De Mey (NL) <i>Unravelling healthy versus pathological arterial ageing</i>
Day 2 (August 15, 2023)	
10:00 AM – 12:00 PM	SESSION 2: Microcirculation (Chair:)
10:00 AM – 11:00 AM	IL03 - Kim Dora (UK) <i>Linking structure and function in the human coronary microcirculation; involvement in ischaemia with no obstructive coronary artery disease (INOCA)</i>
11:00 AM – 12:00 PM	IL04 - Michel Hill (US) <i>Local control of microvascular hemodynamics and the mechanisms of microvascular ageing</i>
	Lunch Break
2:00 PM – 2:30 PM	OR04 - Charles Norton (US) <i>Advanced age increases cerebrovascular resilience to acute oxidative stress</i>
2:30 PM – 3:00 PM	OR05 –

3:00 PM – 3:30 PM	OR06 -
3:30 PM – 4:30 PM	MODERATED POSTER SESSION I (TBC) PS06 - PS07 - PS08 - PS09 - PS10 -
4:30 PM – 6:00 PM	WORKSHOP 2: Kim Dora (UK) <i>High spatial and temporal resolution imaging in the microcirculation</i>
Day 3 (August 16, 2023)	
10:00 AM – 12:00 PM	SESSION 3: Cellular Crosstalk & Signaling Pathways (Chair:)
10:00 AM – 11:00 AM	IL05 - Chris Garland (UK) <i>Electrophysiological approaches to investigate endothelial-smooth muscle signalling; changes underlying vasospasm</i>
11:00 AM – 12:00 PM	IL06 - Maik Gollasch (DE) <i>Arterial elementary calcium signaling in ageing</i>
	Lunch Break
2:00 PM – 2:30 PM	OR07 - Zhuoming LI (MLC) <i>Heme oxgenase-1 & endothelial senescence: new light on an old story</i>
2:30 PM – 3:00 PM	OR08 - Pooi-Fong Wong (MY) <i>Unravelling the role of circulating microRNAs in endothelial dysfunction and acute coronary syndrome</i>
3:00 PM – 3:30 PM	OR09 – Panpan Hou (MSAR) <i>Targeting the cardiac KCNQ1 channel for treating the most lethal arrhythmia</i>
3:30 PM – 4:30 PM	MODERATED POSTER SESSION I (TBC) PS11 - PS12 - PS13 - PS14 - PS15 -
4:30 PM – 6:00 PM	WORKSHOP 3: Chris Garland (UK) <i>Electrophysiological approaches to investigate arterial signaling</i>
6:00 PM -9:00 PM	Dinner (TBC)
Day 4 (August 17, 2023)	
10:00 AM – 12:00 PM	SESSION 4: Arterial Ageing Diseases (Chair:)
10:00 AM – 11:00 AM	IL03 - Rhian Touyz (CA) <i>Hypertension and cardiovascular ageing: a clinical perspective</i>
11:00 AM – 12:00 PM	IL04 - Xiaolei Xu (US) <i>Zebrafish as a tractable model for cardiovascular ageing</i>
	Lunch Break
2:00 PM – 2:30 PM	OR10 - Yi SHI (MLC)

	<i>Aging-induced blood-brain barrier endothelial dysfunction is critical for cognitive dysfunction</i>
2:30 PM – 3:00 PM	OR11 - Junyoung Heo (KR) <i>Mitochondrial biology in BBB and brain injury</i>
3:00 PM – 3:30 PM	OR12 -
3:30 PM – 4:30 PM	MODERATED POSTER SESSION I (TBC) PS16 - PS17 - PS18 - PS19 - PS20 -
4:30 PM – 6:00 PM	WORKSHOP 4: Xiaolei Xu (US) <i>Drug screening model system</i>
Day 5 (August 18, 2023)	
10:00 AM – 12:00 PM	SESSION 5: Mediators of Arterial Ageing (Chair:)
10:00 AM – 11:00 AM	IL05 - Jan Danser (NL) <i>Vascular biology of ageing: the good and the bad of renin-angiotensin system</i>
11:00 AM – 12:00 PM	IL06 - Zhichao Zhou (SE) <i>Endothelial dysfunction in type 2 diabetes: Role of erythrocytes and duration of the disease</i>
	Lunch Break
2:00 PM – 2:30 PM	OR13 –Dharmani Devi Murugan (MY) <i>Differential vascular effect of RAS peptide, des-Aspartate Angiotensin I in hypertensive aorta</i>
2:30 PM – 3:00 PM	OR14 -
3:00 PM – 3:30 PM	OR15 -
3:30 PM – 4:30 PM	Award Ceremony
4:30 PM – 6:00 PM	Visiting Core Facilities and Sightseeing Activity