

5th CUHK International Symposium on Stem Cell Biology and Regenerative Medicine

Musculo-Skeletal Regeneration: From Technology to Therapy

November 12, 2015 Hong Kong

The 5th SCRM (5th CUHK International Symposium on Stem Cell Biology and Regenerative Medicine) continues with the momentum of the previous ones with special highlights in musculoskeletal regeneration as the theme, focusing on the translation from new technology to cost-effective therapy. This also brings in the international partners of the MRN (Musculoskeletal Regenerative Research Network) following the successful network meeting in Stockholm, Sweden on June 1-2, 2015.

The strategic development of MRN will be highlighted; in order to share the collaboration efforts and network we have developed, in pursuit of our vision to advocate a strong voice in the field of MSK regenerative research and a collective opinion leader in the field. We shall share the success of bringing together like-minded individuals with strong track records in the fields of Orthopaedics and Translational medicine, and the benefits this offers to the Orthopaedics arena as a whole. All network partners will continue their deliberation on collaborative projects at the SCRM. For the specific topic in the MSK arena, we have invited key anchor person to develop the program with a balanced approach in basic research, translational approach and clinical applications.

This SCRM welcomes professionals and academics in the field of regenerative medicine, orthopaedics, neurology, biomedical science and engineering and other related disciplines.

0900-0905	WELCOME ADDRESS	Prof Jack Cheng and Prof KM Chan
0905-0935	Session 1 Musculo-Skeletal Regeneration : From Technology to Therapy	Moderator: Prof Jack Cheng and Prof KM Chan
0905-9015	MRN – A global initiative with impact	Prof KM Chan
0915-0925	SIAT experience	Prof Ling Qin
0925-0935	UWA Experience (TBC)	Prof Ming Hao Zheng
0935-1055	Session 2 Stem Cell Biology	Moderator: Prof Wai Yee Chan & Prof Gang Li
0935-0950	Skeletal stem cells – Translation from bench to the clinic	Prof. Richard Oreffo
0950-1005	Cell Surgery Robotics in Cell Fusion Applications	Prof Sun Dong
1005-1020	Driving vascular regeneration in diabetic mice with immune therapy	Prof Kathy Lui
1020-1035	Preparation of stem cells for clinical applications	Prof Gang Li
1035-1055	Q&A	
1055-1110	<i>Break</i>	
	Session 3 Muscle	Moderator: Prof Wai Yee Chan & Prof Hua Ting Wang
1110-1125	Long non-coding RNAs in skeletal muscle stem cell and muscle regeneration	Prof HuaTing Wang
1125-1140	Molecular regulation of muscle stem cell quiescence and activation	Cheung Tom Hiu Tung

1140-1155	(TBC)	Prof Dahai Zhu
1155-1210	Signaling pathways and muscle stem cell (TBC)	Wu, Zhenguo
1210-1230	Q&A	
1230-1330	Session 4 Cartilage	Moderator: Prof James Hui & Prof Barbara Chan
1230-1245	Induction of Articular Cartilage Stem cells and cartilage regeneration by Inhibiting NF- κ B Signaling in osteoarthritis	Prof Xiao Ling Zhang
1245-1300	(TBC)	Prof Barbara Chan
1300-1315	MSC therapy (TBC)	Prof. James Hui
1315-1330	Q&A	
1330-1415	<i>Lunch & Display of research posters</i>	
1415-1550	Session 5 Tendon	Moderator: Prof Ouyang Hong Wei & Prof Ming Hao Zheng
1415-1430	Microbial search for tendinopathies (TBC)	Prof Christer Rolf
1430-1445	Autologous tenocytes transplantation for treatment of tendinopathies	Prof Ming Hao Zheng
1445-1500	Low dose steroid and tendinopathy (TBC)	Prof Kang Lai Tang
1500-1515	Bone marrow stromal cell-seeded tendon slice constructs	Prof Ting Wu Qin
1515-1530	Tendon differentiation and Regeneration	Prof. Ouyang HW
1530-1550	Q&A	
1550-1710	Session 6 Ligament & Bone-Tendon Junction	Moderator: Prof Christer Rolf & Prof Ling Qin
1550-1605	Enhancement in ACL graft healing- where are the missing gaps?	Dr Patrick Yung / Dr Bruma Fu
1605-1620	Use of strontium in enhancing ligament-bone healing	Prof WP Yau (HKU)
1620-1635	Preclinical studies on biodegradable Mg and its alloys for ACL reconstruction	Prof. Ling Qin
1635-1650	Collaborative potentials for developing Mg-based products for orthopaedic applications (TBC)	Dr. Li Yangde
1650-1710	Q&A	