

# Programme Rundown

**1/F Auditorium, Main Clinical Block and Trauma Centre  
Prince of Wales Hospital, Shatin  
November 13, 2017**

09:00-09:20	Welcome addresses, history of CUHK SCRM meeting, SMART and iTERM program and Photo taken	<b>Prof. Gang Li</b> <b>Prof. Patrick Yung</b> <b>Prof. Jack Cheng</b>
	<b>Session 1: New thoughts from and for musculoskeletal system</b>	<b>Moderator:</b> <b>Prof. Jack Cheng</b> <b>Prof. Geoff Richards</b>
09:20-09:40	Glucocorticoids, bone and systemic metabolism	<b>Prof. Hong Zhou</b> University of Sydney, Australia
09:40-10:00	Critical roles of Kindlin-2 signaling in skeleton	<b>Prof. Guozhi Xiao</b> <i>University of Sciences and Technology, China</i>
10:00-10:20	Novel TNFR2 anabolic signaling in cartilage and bone regeneration	<b>Prof. Chuanju Liu</b> <i>New York University, USA</i>
10:20-10:40	Chondrogenesis, chondrogenic differentiation, and cartilage injury & repair	<b>Prof. Xuesong Yang</b> <i>Jinan University, China</i>
10:40-11:00	New approaches in bone regeneration by therapeutically stimulating endochondral ossification	<b>Prof. Chelsea Bahney</b> <i>University of California, USA</i>
11:00-11:10	Tea Break	
	<b>Session 2: Stem Cells Biology</b>	<b>Moderator:</b> <b>Prof. Dongqing Cai</b> <b>Prof. Huating Wang</b>
11:10-11:30	Comparing human MSC chondrogenesis under static and loading conditions	<b>Prof. Martin Stoddart</b> <i>AO Foundation Research Institute, Switzerland</i>
11:30-11:50	The role of mechanical loading on stem cell differentiation	<b>Prof. Minghao Zheng</b> <i>University of Western Australia</i>
11:50-12:10	Functional Role of Jmjd1a and Jmjd2c in MSC senescence and bone aging	<b>Prof. Xiaohua Jiang</b> <i>The Chinese University of Hong Kong, HKSAR</i>
12:10-12:30	Progenitor cells of cartilaginous tissues	<b>Prof. Brian Johnstone</b> <i>Oregon Health &amp; Science University, USA</i>
12:30-12:50	Stem cell niche: secreted proteins of human stromal stem cells	<b>Prof. Li Chen</b> <i>University of South Denmark, Denmark</i>
12:50-13:10	Novel angiogenic factors in bone microenvironment: potential therapeutic targets for bone regeneration	<b>Prof. Jake Xu</b> <i>University of Western Australia, Australia</i>
13:10-14:00	Lunch break/Lunch seminar	

	<b>Session 3: Emerging Technologies</b>	<b>Moderator:</b> <b>Prof. Louis Cheung</b> <b>Dr. Nanli Zhang</b>
14:00-14:10	Bone tissue engineering and regenerative medicine 2.0-- Paradigm shift from “Proof-of-concept” to “Proof-of-value”	<b>Prof. Zhiyong Zhang</b> <i>Guangzhou Medical University, China</i>
14:10-14:30	Electromagnetic stimulation effects on rotator cuff repair: From the lab to the clinic	<b>Dr. Erik Waldorff</b> <i>Orthofix Inc, USA</i>
14:30-14:50	Self-assembled injectable nanocomposite hydrogel stabilized by bisphosphonate-magnesium (Mg <sup>2+</sup> ) coordination for 3D cell culture and controlled release of bioactive ions	<b>Prof. Liming Bian</b> <i>The Chinese University of Hong Kong, HKSAR</i>
14:50-15:10	Biomaterial based stem cells enrichment for bone regeneration: from bench to bedside	<b>Prof. Tingting Tang</b> <i>Shanghai Jiatong University, China</i>
15:10-15:30	Engineered hair follicle mesenchymal stem cells overexpressing controlled-release insulin reverse hyperglycemia in mice with type 1 diabetes	<b>Prof. Jinyu Liu</b> <i>Jilin University, China</i>
15:30-15:50	Tea Break	
	<b>Session 4: Clinical and translational research</b>	<b>Moderator:</b> <b>Prof. Patrick Yung</b> <b>Prof. Minghao Zheng</b>
15:50-16:10	Fracture Healing: New challenges to the old paradigm	<b>Prof. Theodore Miclau</b> <i>University of California, USA</i>
16:10-16:30	Mg <sup>+</sup> based bimetal: From bench to bed	<b>Prof. Ling Qin</b> <i>The Chinese University of Hong Kong, HKSAR</i>
16:30-16:50	In vitro cartilage regeneration and its clinical translation	<b>Prof. Guangdong Zhou</b> <i>National Tissue Engineering Center of China, China</i>
16:50-17:10	Mesenchymal stem cells and skeletal tissue engineering	<b>Prof. Oscar Lee</b> <i>Yangming University, Taiwan</i>
17:10-17:30	Annulus fibrosus regeneration using a multimodal mechano-modulation and layered assembly strategy	<b>Prof. Bin Li</b> <i>Sow Chow University, China</i>
17:30-17:50	Microstructure of bone-tendon junction: A new micro-imaging technology introduction	<b>Prof. Hongbin Lv</b> <i>Xiangya Medical School, China</i>
17:50-18:10	Regulation of hypoxia microenvironment during skeletal regeneration	<b>Prof. Chao Wan</b> <i>The Chinese University of Hong Kong, HKSAR</i>
18:10-18:30	Distraction osteogenesis for the management of cranial bone defect and neurological disorders: what is behind the magic?	<b>Prof. Gang Li</b> <i>The Chinese University of Hong Kong, HKSAR</i>
18:30-18:45	Conclusion remarks	<b>Prof. Gang Li</b> <b>Prof. Patrick Yung</b> <b>Prof. Theodore Miclau</b> <b>Prof. Geoff Richards</b>
	Meeting Adjourns	