

Meeting Program
9th CUHK International Symposium on Stem Cell Biology & Regenerative Medicine
1st International Chinese Musculoskeletal Research Society (ICMRS) Stem Cells
and Regenerative Biology Theme Symposium
Joint Hong Kong Society for Cell Biology Symposium

10-12 November, 2019, Hong Kong

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

Day 1 (2019-11-11)

9:00	Welcome addresses, history of CUHK SCRM meeting, SMART and iTERM program and photo taken	Prof. Rocky Tuan Prof. Wai-Yee Chan Prof. Patrick Yung Prof. Gang Li
	Session 1: Biomaterials in Regeneration	Moderator: Prof. Ling Qin and Prof. Liming Bian
9:40	Biomimetic materials controlling cellular activity	Prof. Alan Rowan, PhD (The University of Queensland, Australia)
10:10	CaP Micro-/nano-biomimetic scaffolds induce regeneration of interface tissues	Prof. Shenming Zhang, PhD (Huazhong University of Science and Technology, China)
10:40	Injectable bioactive materials for bone regeneration	Prof. Yulin Li, PhD (East China University of Science and Technology, China)
11:05	Tea Break and Poster	
	Session 2: New Discoveries in Musculoskeletal System	Moderator: Prof Louis Cheung and Prof. Dongqing Cai
11:30	Lineage divergence of synovial joint progenitor cells: Implication to tissue repair	Prof. Danny Chan, PhD (The University of Hong Kong)
11:55	GSDM protein and immunity	Prof. Xiang Gao, PhD (Nanjing University, China)
12:20	LIM domain proteins Pinch1/2 regulate bone homeostasis	Prof. Xiao Guozhi, PhD (Southern University of Sciences and Technology, China)
12:45	Hippo signaling and skeletal diseases	Prof. Kingston Mak, PhD (Guangdong Key Laboratory for Regenerative Medicine, China)
13:10	Photocrosslinkable materials for bone regeneration	Prof. Xin Zhao, PhD (The Hong Kong Polytechnic University)
13:30	Lunch Break and Poster	

	Session 3: Stem Cells Biology	Moderator: Prof. Kingston Mak and Prof. Cynthia Jiang
14:30	Stem cell spheres for therapeutic applications	Prof. Ren-He Xu, PhD (The University of Macau)
14:55	Molecular regulation of muscle stem cell quiescence exit	Prof. Tom H. Cheung, PhD (The Hong Kong University of Science and Technology)
15:20	Adipose-derived stem cell application in reconstructive surgery and musculoskeletal disorder.	Prof. Nattawat Onlamoon, PhD (Mahidol University, Thailand)
15:45	Neuronal intrinsic inhibitors regulating axon regeneration	Prof. Kai Liu, PhD (The Hong Kong University of Science and Technology)
16:00	FoxO3 protects against the paraquat-induced heart injury	Prof. Qi Xufeng, PhD (Jinan University, China)
16:25	Tea Break and Poster	
	Session 4: Clinical and Translational Research	Moderator: Prof. Gang Li and Prof. Samuel Ling
16:45	Fracture healing and bone Regeneration: where are we?	Dr. Hua-Zhu David Ke, MD (Angitia BioPharmaceuticals, China)
17:10	Clinical trial of cartilage defects and osteoarthritis treatment using bone marrow mesenchymal stem cells and infrapatellar fat pad mesenchymal stem cells	Prof. Chang Chih-Hung, MD, PhD (Far Eastern Memorial Hospital, Taiwan)
17:35	Biological therapies for articular cartilage repair: from basic research to clinical outcome	Prof. Pan Pan Chong, PhD (University of Malaya)
18:00	The synergistic promoting effect on osteoarthritis chondrocytes regeneration displayed by combined application of both AAV-P65shRNA and AAV-BMP4	Prof. Guangheng Li, MD, PhD (Shenzhen 2 nd People's Hospital, China)
18:25	Discussion and Remarks	Prof. Gang Li, Prof. Patrick Yung and all
1900-2100	Invited Speakers, Guests and Faculty Members Dinner (by invitation)	Bus transport to dinner venue (bus leaves at 1840 from the meeting venue to the restaurant)

Day 2 (2019-11-12)

	Session 5: Stem Cell Biology 2	Moderator: Prof. Gang Li and Prof. Bo Feng
9:00	Epigenetic and functional characterization of histone demethylases KDM3A and KDM4C in MSC senescence and bone aging	Prof. Cynthia Jiang, MD, PhD (The Chinese University of Hong Kong)
9:25	KIAA1199, a secreted factor of stromal stem cells, promotes bone marrow adipocyte differentiation and inhibits bone density	Prof. Li Chen, PhD (University of Southern Denmark)

9:50	hiPSC-derived cardiomyocyte dedifferentiation as a source of false-positives in regenerative compound screens	Prof. David C. Zebrowski, PhD (The Chinese University of Hong Kong)
10:15	Mitochondria-rich human pluripotent stem cell derived-cardiomyocytes with advanced metabolic properties uniquely recapitulate disease phenotype and drug responses	Prof. Ellen Ngar Yun Poon, PhD (The Chinese University of Hong Kong)
10:40	Tea Break and Poster	
	Session 6: Hong Kong Cell Biology Society Section	Moderator: Prof Huating Wang and Prof. Bo Gao
11:00	Two critical checkpoints during early activation of adult muscle satellite cells	Prof. Zhenguo Wu, PhD (The Hong Kong University of Science and Technology)
11:25	Genomics technologies for cell engineering	Prof. Alan S.L. Wong, PhD (The University of Hong Kong)
11:50	TRPV1 channels regulate the electrophysiology of embryonic stem cells-derived cardiomyocytes	Prof. Suk Ying Tsang, PhD (The Chinese University of Hong Kong)
12:15	Long noncoding RNA SAM promotes myoblast proliferation and skeletal muscle regeneration through stabilizing Sugt1 and facilitating kinetochore assembly	Prof. Huating Wang, PhD (The Chinese University of Hong Kong)
12:40	Stem cell-based blood-vessel-on-a-chip for drug testing and disease modeling	Prof. Hon Fai Chan, PhD (The Chinese University of Hong Kong)
13:05	Lunch Break	
	Session 7: Postgraduate Students and Young Researcher Section	Moderator: Prof. Wayne Lee and Prof. Simon Chow
14:20	Staphylococcal enterotoxin C2 alleviates ovariectomy-induced bone loss via modulating T cells in mice	Haixing Wang
14:35	A KGN-containing bilayer scaffold for osteochondral defect regeneration based on digital light process (DLP)	Yiwei Zou
14:50	The effect and underlying mechanism of blood on articular cartilage explored by high-throughput sequencing and Single-cell QPCR	Guo Ye
15:05	An injectable continuous stratified structurally and functionally biomimetic construct for enhancing osteochondral regeneration	Yanlun Zhu
15:20	Jmjd1a, a novel metabolism regulator in neural stem cells and aging	Kin Pong U
15:35	Establishment of human endometrium organoid based on 3D bio-printing	Nanfang Nie
15:50	Tea Break	
	Session 8: Postgraduate Students and Young Researchers Section 2	Moderator: Prof. Dick Chow and Prof. Jerry Xu

16:15	Functional characterization of Linc-p27 in skeletal muscle satellite cells and muscle regeneration	Guang Xue
16:30	Linc-ROR promotes chondrogenesis differentiation of mesenchymal stem cells through activating SOX9 expression by functioning as a competing endogenous RNA for miR-138 and miR-145	Lu Feng
16:45	The potential role of RSPO3 in oligodendrogenesis	Lin-jia Cheng
17:00	Bioreactor based human fetal mesenchymal stem cell secretome promote diabetic skin wound healing through vascularization	Bin Wang
17:15	Cytosolic interactome of KDM3A and its implication in bone aging	Shaolong Xue
17:30	A novel 3D bio-printed cell-laden bilayer scaffolds for uterine regeneration	Yan-shan Liu
17:45	Award ceremony for best oral and poster awards for postgraduate students and young researchers	Prof. Gang Li and Prof. Wayne Lee
18:00	Meeting Adjourns	Prof. Gang Li
19:00-21:00	Invited Speakers, Guests and Faculty Members Dinner (by invitation)	Bus transport to hotel (bus leaves at 18:00 from the meeting venue)