

Symposium on Orthopaedic Related Research and Clinical Applications

Co-organized by
Department of Orthopaedics and Traumatology, The University of Hong Kong
&
Strategic Research Theme of Biomedical Engineering and Nanotechnology,
The University of Hong Kong

Scientific Programme

Date: 4 April 2014 (Friday)

Venue: L9-05 Laboratory Block, 21 Sassoon Road, HKU, Pokfulam, Hong Kong

Time	Programme
11:30-11:50	Registration and Lunch
11:50-12:00	Opening Ceremony & Group Photo Moderator: Dr. Michael To
	<i>Welcoming Speech by</i> Prof. Kenneth Cheung Head, Department of Orthopaedics & Traumatology The University of Hong Kong Prof. William Lu Department of Orthopaedics & Traumatology The University of Hong Kong
Session 1: Clinical Applications Moderator: Dr. Chun-Hoi Yan	
12:00-12:15	<i>Disc degeneration of spine – from genetics, biochemistry, radiology to clinical</i> Prof. Kenneth Cheung Department of Orthopaedics & Traumatology The University of Hong Kong
12:15-12:30	<i>Natural collagen scaffolds for Regenerative medicine application</i> Prof. Ming-Hao Zheng Faculty of Medicine, Dentistry and Health Sciences The University of Western Australia Perth, Australia
12:30-12:45	<i>Bearing options in total hip arthroplasty</i> Dr. Chun-Hoi Yan Department of Orthopaedics & Traumatology The University of Hong Kong

12:45-13:00	<i>Effect of Strontium enriched Calcium Phosphate Cement in Anterior Cruciate Ligament Reconstruction</i> Dr. Wai-Pan Yau Department of Orthopaedics & Traumatology The University of Hong Kong
13:00-13:05	Discussion
Session 2: Pre-Clinical Research Moderator: Dr. Michael To	
13:05-13:20	<i>Pre-clinical models of joint, tendon and disc disease – discovering new disease pathways and testing therapies</i> Prof. Christopher Little Raymond Purves Bone and Joint Research Laboratories Kolling Institute of Medical Research The University of Sydney at The Royal North Shore Hospital New South Wales, Australia
13:20-13:35	<i>Deconstructing the Molecular Anatomy of Osteoclasts: Unveiling New Targets for Potential Anti-Resorptive Therapy</i> Prof. Nathan Pavlos Orthopaedic Research Unit The University of Western Australia Perth, Australia
13:35-13:50	<i>Tendon regeneration – application of nanomedicine</i> Dr. Michael To Department of Orthopaedics & Traumatology The University of Hong Kong
13:50-13:55	Discussion
Session 3: Biomaterials Research Moderator: Dr. Kelvin Yeung	
13:55-14:10	<i>PRP + 3D hydrogel system as a treatment for early onset OA in spontaneous OA animal model.</i> Prof. William Lu Department of Orthopaedics & Traumatology The University of Hong Kong
14:10-14:25	<i>Engineering materials meet biology: A perfect match</i> Prof. Hala Zreiqat Tissue Engineering & Biomaterials Research Unit School of AMME/Faculty of Engineering and IT and Bosch Institute The University of Sydney Sydney, Australia
14:25-14:40	<i>Topography of biomaterials is important to tendon regeneration</i> Dr. Kelvin Yeung Department of Orthopaedics & Traumatology The University of Hong Kong
14:40-14:45	Discussion

Session 4: Cell and Molecular Research	
Moderator: Dr. Julian Tanner	
14:45-15:00	<i>Novel angiogenic factors in bone microenvironment</i> Prof. Jiake Xu School of Pathology and Laboratory Medicine The University of Western Australia, Perth, Australia
15:00-15:15	<i>The Pathogenic Osteoclast and Orthopaedic Implant Failure</i> Prof. David Haynes School of Medical Sciences The University of Adelaide Adelaide, Australia
15:15-15:30	<i>DNA aptamers as new therapeutic agents against sclerostin, ADAMTS-5 and WWP1 ubiquitin ligase</i> Dr. Julian Tanner Department of Biochemistry The University of Hong Kong
15:30-15:45	<i>Sclerostin: dual anti-anabolic and pro-catabolic actions</i> Prof. David Findlay Discipline of Orthopaedics and Trauma, The University of Adelaide Adelaide, Australia
15:45-15:50	Discussion
15:50-15:55	Closing Remarks
	Prof. Hala Zreiqat Tissue Engineering & Biomaterials Research Unit School of AMME/Faculty of Engineering and IT and Bosch Institute The University of Sydney Sydney, Australia Dr. Michael To Department of Orthopaedics & Traumatology The University of Hong Kong