

The Croucher Foundation Advanced Study Institute (ASI)

## **Integrative Approaches to Understanding Disorders of the Skeleton**

**11 - 13 January 2016**

School of Biomedical Sciences, Li Ka Shing Faculty of Medicine,

The University of Hong Kong

### **Programme**

<b>Day 1 (11 Jan 2016, Monday)</b>			
<i>Topic: Regulatory Networks In Skeletal Development</i>			
<b>Time</b>	<b>Event</b>	<b>Speaker/ Discussion Leaders</b>	<b>Venue</b>
08:30-08:45	Registration		HKJC-S3
08:45-09:00	Opening address	Danny Chan	HKJC-S3
<b>Public Lectures</b>			
09:00-10:15	Class IIa HDACs: key mediators of actions of the PTH/PTHrP receptor in chondrocytes and osteocytes	Henry Kronenberg	HKJC-S3
10:15-10:45	Coffee break		HKJC-S3
10:45-12:00	The Osteoblast-Osteocyte Network in the Regulation of Bone Homeostasis	Roberto Civitelli	HKJC-S3
12:00-13:30	Lunch break		
<b>Public Lectures</b>			
13:30-14:45	Multicellular control mechanisms for skeletal development	Bjorn R. Olsen	HKJC-S3
<b>ASI workshop Session</b>			
14:45-15:45	<b>Four 15-minutes oral presentations</b>	Course participants	HKJC-S3
15:45-16:30	<b>Two-minutes-one-slide poster preview</b>	Course participants	HKJC-S3
16:30-17:00	Poster session with coffee		HKJC-S3
<b>Public Lectures</b>			
17:00-18:15	Muscle spindle masterminds skeleton regeneration and homeostasis	Elazar Zelzer	LT4
18:15-19:15	Welcome mixer for ASI participants and lecturers	Organizing Committee	Alumni Chamber

<b>Day 2 (12 Jan 2016, Tuesday)</b>			
<i>Topic: Genetics and Functional Genomics of Skeletal Diseases</i>			
<b>Time</b>	<b>Event</b>	<b>Speaker/ Discussion Leaders</b>	<b>Venue</b>
<b>Public Lectures</b>			
09:00-10:15	Rare Forms of Osteogenesis Imperfecta Reveal Novel Bone Pathways	Joan Marini	HKJC-S3
10:15-10:45	Coffee break		HKJC-S3
10:45-12:00	How advances in bone biology have shaped the treatment of osteoporosis	Frances Williams	HKJC-S3
12:00-14:00	<b>ASI photo and Lunch break</b>	ASI participants	
<b>ASI workshop Session</b>			
14:00-15:30	<b>Workshop 1 (Moderator: Michael To)</b> Treating rare bone diseases: Osteogenesis Imperfecta Connexin 43 disorders	<b>Contributors:</b> Roberto Civitelli Joan Marini Michael To	HKJC-S3
15:30-16:00	<b>Two 15-minutes poster talks</b>	Course participants	HKJC-S3
16:00-17:00	Poster session with coffee		HKJC-S3
<b>Public Lectures</b>			
17:00-18:15	Gas signaling in bone development and disease	Yingzi Yang	LT4

<b>Day 3 (13 Jan 2016, Wednesday)</b>			
<i>Topic: Complex Disorders and Prospects for Therapy to Skeletal Diseases</i>			
<b>Time</b>	<b>Event</b>	<b>Speaker/ Discussion Leaders</b>	<b>Venue</b>
<b>Public Lectures</b>			
09:00-10:15	Rejuvenation of fracture healing: It's all in the blood	Benjamin Alman	HKJC-S3
10:15-10:45	Coffee break		HKJC-S3
10:45-12:00	Why cartilage fails; lessons from rare genetic skeletal diseases	Matthew Warman	HKJC-S3
12:00-13:30	Lunch break		
<b>Public Lectures</b>			
13:30-14:45	Use of cell reprogramming technologies in research on cartilage diseases	Noriyuki Tsumaki	HKJC-S3
<b>Close Session</b>			
14:45-16:15	<b>Workshop 2 (Moderator: Brian Chung)</b> Clinical genetics of skeletal disorders: Enchondromatosis Osteofibrous dysplasia Non-heritable genetic bone disorders Isolated congenital vertebral deformity	<b>Contributors:</b> Benjamin Alman Matthew Warman Brian Chung	HKJC-S3
16:15-16:45	Coffee break		HKJC-S3
16:45-18:15	Round table discussion and closing <b>Moderator: Bjorn R. Olsen</b>	<b>Contributors:</b> All ASI participants	HKJC-S3
18:15-21:00	<b>ASI banquet</b>	All ASI participants	