

**Croucher Advanced Study Institute - Frontiers in Aging and Longevity**

**26-28 May 2019**

<b>Day 1 - 26 May 2019 (Sunday)</b> <b>Seminar Room 2, G/F, Laboratory Block, 21 Sassoon Road</b>	
<b>Time</b>	<b>Event</b>
8:45-9:00	Registration
9:00-9:15	<b>Opening Ceremony: Welcome Address</b> <i>Danny Chan, Acting Director, School of Biomedical Sciences, The University of Hong Kong</i>
	<b>Public Lectures</b> <i>Chairs: John Sedivy and Yu Huang</i>
9:15-10:15	<b>Reprogramming Aging</b> <i>Juan Carlos Izpisua Belmonte, Salk Institute for Biological Studies, USA</i>
10:15-10:45	Break
10:45-11:30	<b>SIRT6 in heterochromatin silencing and aging</b> <i>Vera Gorbunova, Department of Biology, University of Rochester, USA</i>
11:30-12:15	<b>Intervention of Human Aging</b> <i>Brian Kennedy, National University of Singapore, Singapore</i>
12:15-14:00	Lunch (Registered participants only)
14:00-15:00	<b>The microbiome in aging and age-associated disorders</b> <i>Liping Zhao, Rutgers University, USA</i>
	<b>Workshop 1 “Epigenetics, Metabolism and Aging”</b> <i>Chairs: Vera Gorbunova and Bo Gao</i>
15:00-15:30	<b>Vascular ageing: endothelial inflammation &amp; atherogenesis</b> <i>Yu Huang, School of Biomedical Sciences, The Chinese University of Hong Kong</i>
15:30-16:00	Break
16:00-16:20	<b>Structural basis of SIRT6 functions and their application in aging</b> <i>Quan Hao, School of Biomedical Sciences, The University of Hong Kong</i>
16:20-16:40	<b>Perfecting DSB Repair on Transcriptionally-Active Chromatin</b> <i>Michael SY Huen, School of Biomedical Sciences, The University of Hong Kong</i>
16:40-17:00	<b>DNA methylation in stem cells maintenance</b> <i>Chengmin Qian, School of Biomedical Sciences, The University of Hong Kong</i>
17:00-17:20	<b>Epigenetic regulation of cell fate</b> <i>Kui Ming Chan, Department of Biomedical Sciences, City University of Hong Kong</i>
17:20-18:00	<b>Close-door Discussion</b> <i>Discussion leader: Brian Kennedy</i>

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<b>Day 2 - 27 May 2019 (Monday)</b> <b>Seminar Room 2, G/F, Laboratory Block, 21 Sassoon Road</b>	
<b>Time</b>	<b>Event</b>
9:00-10:00	<b>Close-door Workshop and Panel discussion</b> on “New horizon of translational research in aging and longevity” <b>Panel members:</b> Juan Carlos Izpisua Belmonte, Brian Kennedy, Vera Gorbunova, John Sedivy
10:00-10:30	Break
	<b>Public Lectures</b> <i>Chair: Juan Carlos Izpisua Belmonte</i>
10:30-11:30	<b>Old drug in new battle field: Retrotransposon as a target of aging and inflammation</b> <i>John Sedivy, Department of Molecular Biology, Cell Biology and Biochemistry, Brown University, USA</i>
11:30-12:30	<b>Immune remodeling in aging: etiology, consequences, and intervention</b> <i>Sean Leng, School of Medicine, Johns Hopkins University, USA</i>
12:30-14:15	Lunch (Registered participants only)
14:15-15:00	<b>Using stem cell and gene editing techniques to study and treat aging-related disorders</b> <i>Guanghui Liu, Institute of Biophysics, Chinese Academy of Sciences, China</i>
	<b>Workshop 2 “Stem cell and Aging”</b> <i>Chairs: Sean Leng and Gang Li</i>
15:00-15:30	<b>Muscle stem cell regeneration</b> <i>Zhenguo Wu, Division of Life Science, The Hong Kong University of Science and Technology</i>
15:30-16:00	Break
16:00-16:20	<b>Muscle stem cell differentiation and self-renewal</b> <i>Tom HT Cheung, Division of Life Science, The Hong Kong University of Science and Technology</i>
16:20-16:40	<b>Regulation of muscle stem cells by non-coding RNA</b> <i>Huating Wang, Department of Obstetrics and Gynaecology, The Chinese University of Hong Kong</i>
16:40-17:00	<b>Stem cell spheres for therapeutic applications</b> <i>Renhe Xu, Faculty of Health Sciences, The University of Macau</i>
17:00-18:00	<b>Close-door discussion</b> <i>Discussion leader: Zhongjun Zhou</i>

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**26-28 May 2019**

<b>Day 3 - 28 May 2019 (Tuesday)</b>	
<b>Seminar Room 5, LG1/F, Laboratory Block, 21 Sassoon Road</b>	
<b>Time</b>	<b>Event</b>
	<b>Public Lectures</b> <i>Chairs: Danny Chan and Michael SY Huen</i>
9:00-10:00	<b>Longevity regulation mechanisms in <i>C. elegans</i></b> <i>Seung-Jae Lee, Korea Advanced Institute of Science and Technology, South Korea</i>
10:00-10:30	Break
10:30-11:15	<b>Parkinson's disease - possible future disease modifiers (focusing on alpha-synuclein)</b> <i>Daniel Chan, University of New South Wales, Australia</i>
11:15-12:00	<b>Targeting on mitophagy and NAD<sup>+</sup> to extend human healthspan and Lifespan</b> <i>Evandro F. Fang, Faculty of Medicine, University of Oslo, Norway</i>
12:00-14:00	Lunch (Registered participants only)
14:00-15:00	<b>The Telomere biology and aging</b> <i>Zhou Songyang, Baylor College of Medicine, USA</i>
	<b>Workshop 3 "Regeneration and Aging"</b> <i>Chairs: Seung-Jae Lee and Zhenguo Wu</i>
15:00-15:30	<b>ECM as stem cell niche in tissue degeneration and regenerative medicine</b> <i>Danny Chan, School of Biomedical Sciences, The University of Hong Kong</i>
15:30-16:00	<b>Sirtuin Family in aging</b> <i>Baohua Liu, Department of Biochemistry and Molecular Biology, Shenzhen University, China</i>
16:00-16:30	Break
16:30-17:30	<b>Panel discussion on "Challenges and Opportunities in the era of aging"</b> <b>Panel members:</b> Juan Carlos Izpisua Belmonte, Seung-Jae Lee, Danny Chan
17:30-18:00	<b>Conclusion of the ASI</b>