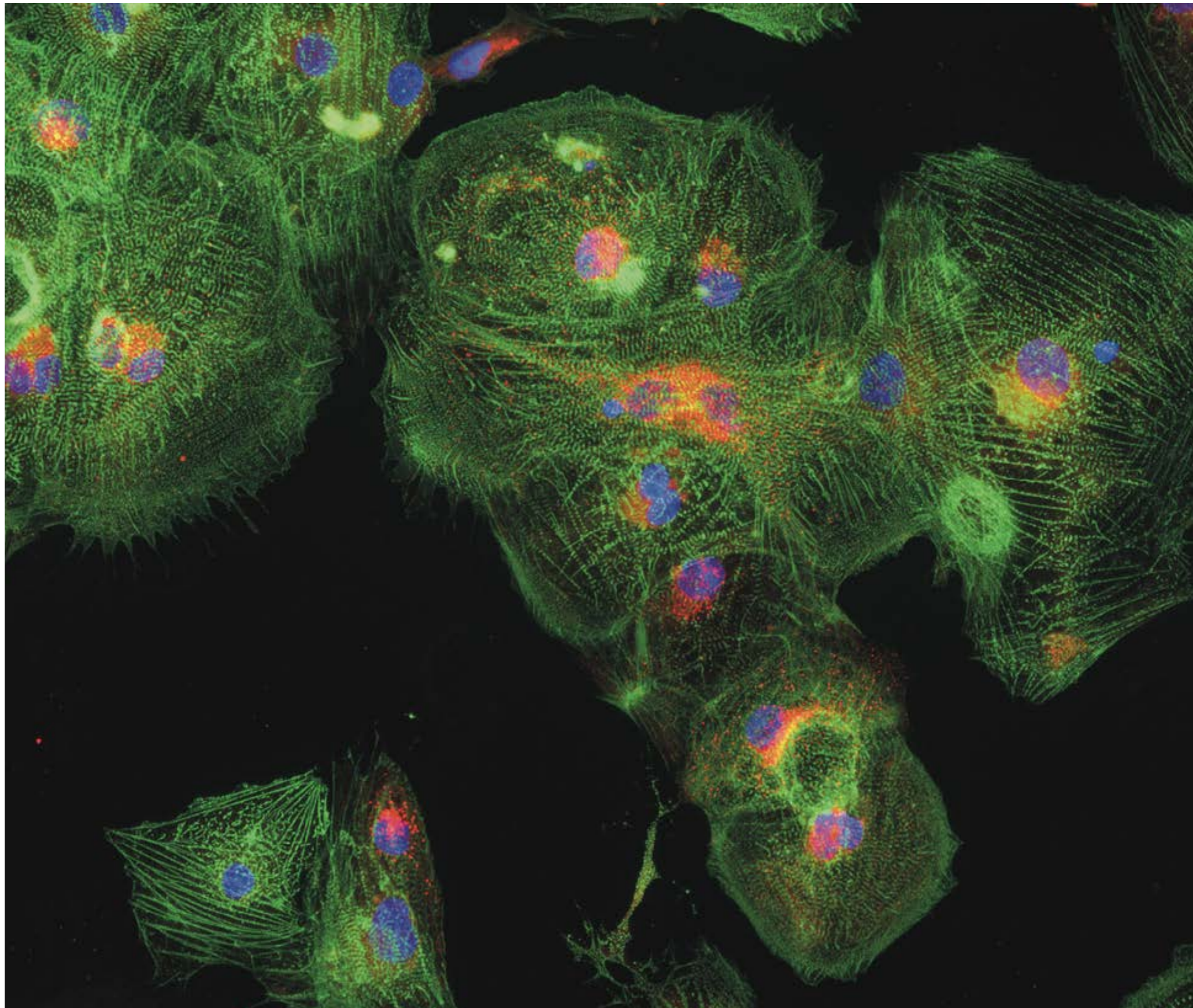


# Scientific Symposium 2018



Ming Wai Lau Centre  
for Reparative Medicine  
劉鳴煒復修醫學中心



**Karolinska  
Institutet**

# Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet

## Scientific Symposium - Programme

30 January 2018 (Tuesday)

09:00-18:00

Conference Hall 04, Convention Centre 2, Hong Kong Science Park, Shatin, Hong Kong

Time	Programme	Speaker
<b>Welcoming Session</b>		
09:00	Registration	
09:10-09:20	Introduction	
<b>Session 1: Epigenetics of Stem Cell</b>		
09:20-09:40	Tracking Pluripotency <i>In Vivo</i> and <i>In Vitro</i>	<b>Fredrik Lanner, Assistant Professor</b> Department of Clinical Science, Intervention and Technology, Karolinska Institutet
09:40-10:00	Dynamic Features of Pluripotent Chromatin	<b>Simon Elsässer, Assistant Professor</b> Department of Medical Biochemistry and Biophysics, Karolinska Institutet
10:00-10:20	Interplay Between the Epigenome and Nuclear Organization	<b>Danny Leung, Assistant Professor</b> Division of Life Science, Hong Kong University of Science and Technology
<b>Session 2: Biomedical Engineering</b>		
10:20-10:40	Bioimaging and Biosensing with AIE luminogens	<b>Sijie Chen, Assistant Professor</b> Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong
10:40-11:00	Photo-Crosslinkable Gelatin for Tissue Engineering	<b>Xin Zhao, Assistant Professor</b> Department of Biomedical Engineering, The Hong Kong Polytechnic University
11:00-11:20	Approaches for Restoring Male Fertility by Targeting Spermatogonia and Sperm	<b>Ellis Fok, Assistant Professor</b> School of Biomedical Sciences, The Chinese University of Hong Kong
11:20-11:40	Engineering Stimuli-Responsive Nanoparticles for Drug Delivery	<b>Weiping Wang, Assistant Professor</b> Dr. Li Dak-Sum Research Centre, The University of Hong Kong
11:40-13:00	Lunch On-site	

<b>Session 3: Tissue Repair</b>		
13:00-13:20	Regulatory RNAs in Skin Wound Healing	<b>Ning Xu Landén, Associate Professor</b> Department of Medicine, Solna, Karolinska Institutet
13:20-13:40	Human Liver Organoids for the Analysis of Biliary Atresia	<b>Vincent Lui, Associate Professor</b> Department of Surgery, The University of Hong Kong
13:40-14:00	Central Nervous System Scarring and Repair	<b>Christian Göritz, Associate Professor</b> Department of Cell and Molecular Biology, Karolinska Institutet
14:00-14:20	The Role of mTOR Signalling in Axon Regeneration	<b>Kai Liu, Associate Professor</b> Division of Life Science, The Hong Kong University of Science and Technology
14:20-14:40	Transcriptional and Epigenetic States of Oligodendrocyte Lineage Cells in the Central Nervous System: Insights from Single-Cell RNA-Seq	<b>Gonçalo Castelo-Branco, Associate Professor</b> Department of Medical Biochemistry and Biophysics, Karolinska Institutet
14:40-15:00	Novel Determinants for Endothelial Differentiation	<b>Jack Wong, Assistant Professor</b> School of Life Sciences, The Chinese University of Hong Kong
15:00-15:20	Biocompatible Extracellular Nanomatrices Enable Proliferation and Differentiation of Neural Stem Cells	<b>Ken Yung, Professor and Associate Head</b> Department of Biology, Hong Kong Baptist University
15:20-15:30	Coffee Break	
<b>Session 4: Gene-editing</b>		
15:30-15:50	Moving Towards Massively Parallel Combinatorial Genetics	<b>Alan Wong, Assistant Professor</b> School of Biomedical Sciences / Department of Electrical and Electronic Engineering, The University of Hong Kong
15:50-16:10	Mouse Expanded Potential Stem Cells	<b>Pengtao Liu, Professor</b> School of Biomedical Sciences, The University of Hong Kong
16:10-16:30	Gene Editing in Pigs for Developing Regenerative Medicine	<b>Yonglun Luo, Associate Professor</b> , Aarhus University <b>Executive Director</b> , Lars Bolund Institute of Regenerative Medicine, BGI-Qingdao
16:30-16:50	Pigs as Experimental Models for Chronic Dysregulatory Diseases and Regenerative Medicine	<b>Lars Bolund, Professor</b> Lars Bolund Institute of Regenerative Medicine, BGI-Qingdao
16:50-17:10	Characterization and Improvement of CRISPR Gene Editing Off-Targets	<b>Zongli Zheng, Assistant Professor</b> Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong
17:10-17:30	Localization Diversity and Moonlighting Studies of Proteins and ncRNAs	<b>Lixin Cheng</b> Department of Computer Science and Engineering, The Chinese University of Hong Kong
<b>Closing Remarks</b>		
17:30-18:00	Wrap-up	

Co-organised by

Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet

Aarhus University

BGI

Hong Kong Baptist University

Hong Kong University of Science and Technology

The Chinese University of Hong Kong

The Hong Kong Polytechnic University

The University of Hong Kong

Cover Photo: Human cardiomyocytes derived from human pluripotent stem cells. © Ronald Li.