



**HKU  
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School of Biomedical Sciences  
香港大學生物醫學學院



School of Biomedical Sciences 生物醫學學院  
The Chinese University of Hong Kong 香港中文大學

# 1st HKU-CUHK Joint Postdoctoral Biomedical Sciences Symposium 2024

**22 MARCH 2024**

**9:30 AM - 5:15 PM**

**LI KA SHING FACULTY OF MEDICINE, HKU**



Co-organized by :

School of Biomedical Sciences, The University of Hong Kong (HKU)

School of Biomedical Sciences, The Chinese University of Hong Kong (CUHK)



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# Programme rundown

Time	Programme
09:00 – 09:30	<b>Registration</b>
09:30 – 09:45	<b>Opening remarks by Prof. CHAN Danny</b> Professor, Director of The School of Biomedical Sciences, HKU
09:45 – 11:00	<b>Oral session 1: Cancer and biological data science</b> Speaker: #1 – 4 Moderator: SHI Ling
11:00 – 11:15	<b>Break</b>
11:15 – 12:30	<b>Oral session 2: Neurophysiology and disease</b> Speaker: #5 – 8 Moderator: ZHANG Wenxin
12:30 – 13:30	<b>Lunch + poster session</b>
13:30 – 14:45	<b>Oral session 3: Immunology, inflammation and cell biology</b> Speaker: #9 – 12 Moderator: CHOW Sin Ting
14:45 – 15:00	<b>Break</b>
15:00 – 16:15	<b>Oral session 4: Development, regeneration and tissue engineering</b> Speaker: #13 – 16 Moderator: CHU Hoi Yee
16:15 – 17:00	<b>Keynote talk by Prof. WU Zhenguo</b> Professor, Division of Life Science, HKUST “Essential checkpoints during early activation of adult muscle stem cells”
17:00 – 17:15	<b>Prize presentation by Prof. WU Zhenguo</b> <b>Closing remarks by Prof. CHAN Man Lok Andrew</b> Professor, Director of The School of Biomedical Sciences, CUHK <b>Group photo time</b>

**Main venue: LT2, 21 Sassoon Road, HKU**

**Poster venue: Exhibition area, 21 Sassoon Road, HKU**

# Presentation list

Oral presentations			
1	LOH Jia Jian	HKU	ADAR1-mediated RNA editing of SCD1 links lipid metabolism to gastric cancer drug resistance and self-renewal
2	LEE Carol	CUHK	Sorafenib sensitivity of <i>ARAF</i> p.S214C mutation in lung adenocarcinoma
3	LI Lingyu	HKU	Fine ligand-receptor interaction discovery by fusing spatial transcriptomics and histology stains
4	LIU Yuen Hang Julia	CUHK	Prediction of adverse drug reactions using deep learning and a new Gastrointestinal Pacemaker Activity Drug Database (GIPADD)
5	WU Tianming	CUHK	Serendipitous discovery of Neuromesoid: making the embryonic trunk structure <i>in vitro</i>
6	SHI Tianyuan	HKU	Determination of DLC1 isoform 1 (DLC1-i1) as a gene therapy for the treatment of spinal muscular atrophy
7	ZHANG Jing	HKU	The function of Rab10 Thr73 phosphorylation in homeostasis and Amyloid- $\beta$ pathology
8	ZHENG Qiyu	HKU	Selective modulation of fear memory in non-rapid eye movement sleep
9	FUNG Sin Yee	HKU	Induction of proinflammatory response in bystander macrophages by exosome-delivered SARS-CoV-2 ORF3a
10	WANG Jing	CUHK	CD4+ T cell-intrinsic histone deacetylase 8 restricts memory responses
11	KONG Yonglun	CUHK	RGMB activates the TRAF6-TAB1-TAK1/ $\alpha$ TAT1/ $\alpha$ -tubulin pathway to drive macrophage migration and aggravate kidney disease
12	YANG Shaobo	CUHK	The role of Vangl-Vrk2 signalling axis in the regulation of ER morphology
13	YU Xiaodan Anna	HKU	Integrating single-cell RNA-seq and spatial transcriptomics reveals the role of MMP14 as an immune-related regulator for endochondral bone integrity
14	LIN Jiayin	CUHK	Unveiling the gradual formation of stable functional representation of muscle synergies during infant locomotor development through kinematic-muscular synergies and personalized neuromusculoskeletal modeling
15	CHU Ka Chi	HKU	<i>In vitro</i> derivation and mouse-human gene conservation of the notochord lineage
16	WAN Ho Ying	CUHK	Development of a functional vascularized skin graft using gelatin methacryloyl as bioink
Poster presentations			
1	BARBOUR Jayne	HKU	Global and local redistribution of somatic mutations enable the prediction of prognostic ERCC2 mutations in bladder cancer
2	ZHANG Wenxin	HKU	Biochemical and structural dissection of heteromeric acetyl-CoA carboxylase
3	JIANG Luhan	HKU	Impact of <i>Lactobacillus</i> , lactate, and pH changes in modulating human endometrial receptivity and predicting pregnancy outcomes
4	CHU Hoi Yee	HKU	Low-N active learning scheme facilitates top variant discovery in mutagenesis screens.
5	CHOW Sin Ting	CUHK	Exploring the role of FRMD6 in ferroptosis in prostate cancer cells
6	YEUNG Sai Fung	CUHK	CKAP2, a miR-497-3p target, regulates lung carcinogenesis by modulating the PI3K Pathway
7	SHI Ling	CUHK	Comparative genomic analysis reveals the gene family evolution and adaptation of Asian carp
8	LU Zengbing	CUHK	Action of TRPA1 activator allyl isothiocyanate on <i>Suncus murinus</i> (house musk shrew) vagus and gut tissues and its potential to induce emesis
9	SHIN Lih Ying	CUHK	Modifications to the topographical features of the cECM influence its biological activities

# Organizing committee

**Prof. CHEUNG Chi Hang Martin**

Associate Director (Research and Innovation), School of Biomedical Sciences, HKU

**Prof. TSUI Kwok Wing Stephen**

Associate Director (Research), School of Biomedical Sciences, CUHK

**Dr. BARBOUR Jayne**

Postdoctoral fellow, HKU

**Dr. LEE Carol**

Postdoctoral fellow, CUHK

## Acknowledgements

**Keynote speaker:**

Prof. WU Zhenguo (HKUST)

**Directors of School of Biomedical Sciences:**

Prof. CHAN Danny (HKU)

Prof. CHAN Man Lok Andrew (CUHK)

**Judges for Oral Presentation:**

Prof. WU Zhenguo (HKUST)

Prof. CHANG Chuen Chung Raymond (HKU)

Prof. CHAN Man Lok Andrew (CUHK)

**Judges for Poster Session:**

Prof. LIANG Shikang (HKU)

Prof. KWON Sung Chul (HKU)

Prof. BLOCKI Anna Maria (CUHK)

Prof. POON Ngar Yun Ellen (CUHK)

Prof. TONG Man Carol (CUHK)

**Helpers:**

Dr. YEUNG Sai Fung (CUHK)

Ms. CHEN Zhi Shan (CUHK)

Ms. WU Weixue (CUHK)

**Administrative team:**

Ms. CHAN Yin Tung Crystal (HKU)

Ms. KWOK Pui Yan Veronica (HKU)

Ms. WONG Kin Wing Angela (HKU)

Ms. LAI Chi Yung Lili (CUHK)

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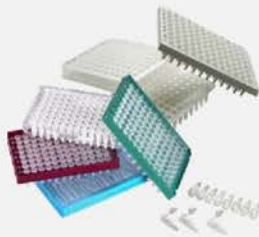
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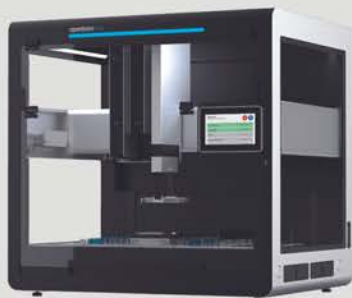
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