

HKMSMS Symposium 2023 and HKMSMS 25th Annual General Meeting

17 June 2023 (Saturday)

The Grand Assembly Hall, 4/F North Tower

The Salisbury - YMCA of Hong Kong, 41 Salisbury Road, Tsim Sha Tsui, Kowloon, Hong Kong

Programme

09:00 – 09:45	Registration
Morning Session 1	
09:45 – 09:50	Opening Remarks
09:50 – 10:35	<u>Plenary Lecture</u> Mass spectrometry as the ultimate tool for systems biology: How the epitranscriptome regulates gene expression at the level of translation <i>Prof. Peter C. DEDON, Department of Biological Engineering, Massachusetts Institute of Technology</i>
10:35 – 11:00	Coffee Break & Poster Session
Morning Session 2	
11:00 – 11:20	<u>Invited Lecture</u> Spectroscopic analysis of electrolytes in cells and tissues <i>Prof. Condon LAU, Department of Physics, City University of Hong Kong</i>
11:20 – 11:40	<u>Invited Lecture</u> Tear proteomics and metabolomics: a 20-year journey <i>Prof. Lei ZHOU, School of Optometry and the Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University</i>
11:40 – 11:55	<u>HKMSMS Conference Awards – Oral Presentation</u> Development of a search algorithm for rapid and accurate classification of edible oils by MALDI-MS <i>Mr. Ho Yin Michael MA, Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University</i>
11:55 – 12:05	<u>Sponsored Presentation</u> Agilent Technologies Hong Kong Limited
12:05 – 12:15	<u>Sponsored Presentation</u> Bruker Scientific Instruments Hong Kong Co. Ltd. & Grandtech Scientific Hong Kong Ltd.
12:15 – 13:45	Lunch & Poster Session (Lunch venue: Function Rooms, 3/F South Tower)

Afternoon Session 1	
13:45 – 14:05	<p><u>Invited Lecture</u></p> <p>Detergent-free lipid mimetics for native mass spectrometry: Probing rhodopsin structure and maturation processes</p> <p><i>Dr. Kin Kuan HOI, Shenzhen Bay Laboratory</i></p>
14:05 – 14:25	<p><u>Invited Lecture</u></p> <p>Targeted O-GlcNAcylation of proteins using bifunctional small molecules</p> <p><i>Prof. Billy Wai Lung NG, School of Pharmacy, The Chinese University of Hong Kong</i></p>
14:25 – 14:40	<p><u>HKSMS Conference Awards – Oral Presentation</u></p> <p>Proteomic analysis reveals ejected mitochondria as the mediator of osmolality-induced adipocyte dedifferentiation</p> <p><i>Miss Guopan LIU, Department of Biomedical Sciences, College of Veterinary Medicine and Life Sciences, City University of Hong Kong</i></p>
14:40 – 14:55	<p><u>HKSMS Conference Awards – Oral Presentation</u></p> <p>The pitfalls of using entrapments for validation of false discovery rate estimation in proteomics</p> <p><i>Mr. Dominik MADEJ, Department of Chemical and Biological Engineering, The Hong Kong University of Science and Technology</i></p>
14:55 – 15:05	<p><u>Sponsored Presentation</u></p> <p>Thermo Fisher Scientific (Hong Kong) Limited</p>
15:05 – 15:15	<p><u>Sponsored Presentation</u></p> <p>Comfort Technology (Asia) Limited</p>
15:15 – 15:40	Coffee Break & Poster Session
Afternoon Session 2	
15:40 – 16:00	<p><u>Invited Lecture</u></p> <p>Organic tracer analysis in atmospheric aerosols using GC-MS: From offline to online</p> <p><i>Prof. Jianzhen YU, Department of Chemistry, Hong Kong University of Science & Technology</i></p>
16:00 – 16:20	<p><u>Invited Lecture</u></p> <p>Atmospheric organic compounds measurement using online chemical ionization MS</p> <p><i>Prof. Zhe WANG, Division of Environment and Sustainability, The Hong Kong University of Science and Technology</i></p>
16:20 – 16:30	Break before AGM



香港質譜學會

HONG KONG SOCIETY OF MASS SPECTROMETRY

The 25th Annual General Meeting	
Chair: Dr. Andy Chi Kit Siu , City University of Hong Kong	
16:30 – 16:50	25 th AGM, The Grand Assembly Hall, 4/F North Tower, The Salisbury - YMCA of Hong Kong
AGM Dinner at Thornton Room & Huthart Room I , 3/F South Tower	
18:00 – 18:30	<u>Dinner Speech</u> Data sonification Mr. Long Man LUK , Longman & Sound HK https://www.longman.hk/
18:30	Dinner with Lucky Draw

HKSMS Symposium 2023 – Poster Presentation

#	Presenter	Institution	Poster Title
AP1	LI Zhen Yan	PolyU	Investigation of Arsenic Accumulation in Deep-frying Oil
AP2	LIN Xuewei	PolyU	Rapid Authentication of Red Wine by MALDI-MS Combined With DART-MS
P1	CAI Shen Hui	Jinan University	Mask Sampler for LC-MS/MS Analysis of Human Exhaled Proteins
P2	CHEN Wei Ni	Jinan University	Drone-Based Solid-Phase Microextraction Array coupled with Portable GC-MS for Onsite Investigation of Air Pollutants
P3	Ephrem Gizachew DEMISSIE	CityU	Decomposition Mechanism of Nitrous Oxide in Hydrated Clusters of Cobalt(I) and Manganese(I) Ion
P4	DONG Songbin	Jinan University	Noninvasive Microsampling, Slug-Flow Microextraction, Nano-Electrospray Ionization Mass Spectrometry of Analytes in Human Tear Fluids Using A Capillary
P5	HUANG Qiaoyun	Jinan University	Direct Mass Spectrometry Analysis Reveals Soluble Polymer Contaminants in Throat Swabs
P6	JIA Qinyu	PolyU	Spike Protein RBDs of SARS-CoV-2 Variants and their Interactions with Neutralizing Antibodies: Conformational Dynamics Revealed by Hydrogen/Deuterium Exchange Mass Spectrometry
P7	LIU Chengxi	PolyU	Conformational Dynamics Study of SARS-CoV-2 Main Protease and Its Interactions with Inhibitors by Integrated Mass Spectrometry Approaches
P8	LIU Guopan	CityU	Ejection of Mitochondria and TNF- α Activation Mediate Hypertonicity-induced Adipocytes Dedifferentiation
P9	LIU Ximeng	Jinan University	Portable Mass Spectrometry Approach Combined with Machine Learning for Onsite Field Detection of Huanglongbing Disease
P10	Adam LOH	Universiti Malaya	Theoretical Study of Water Affinity of Atmospheric Sulphuric-Ammonia Cluster
P11	MO Wenzheng	Jinan University	Low-Temperature Plasma Mass Spectrometry for Single-Cell Analysis
P12	PAN Yilin	CityU	A Comparison Study of Two Nano-LC Performance in Proteomic Profiling of Human Serum EVs
P13	YI Man	Jinan University	In Situ Solid-Phase Microextraction of Nasal Exhaled Breath for GC-MS Analysis
P14	ZHANG Jianfeng	Jinan University	Development of Unmanned Shipborne Mass Spectrometer System for Online Monitoring of VOCs in Environmental Water

