

## 質譜前瞻技術與生醫應用新進展

Trends in Biological Mass Spectrometry:  
From Instrumental Innovations to Translational Applications

Venue : 1F Conference Room, Genomics Research Center, Academia Sinica

Date : May 25, 2026



Time	Title	Speaker	Chair
09:00-09:30	Registration		
09:30-09:40	Opening Remarks		
09:40-10:30	Advancing High-Definition Mass Spectrometry: Higher IMS Resolution, Improved Throughput, and Higher Mass	David Clemmer Indiana University Bloomington	Yet-Ran Chen Academia Sinica
10:30-11:00	Coffee Break/Group Photo		
11:00-11:35	Ion Dynamics in High-Resolution TOFMS: A Comprehensive Theoretical Framework for Next-Generation Instrumentation	Yi-Sheng Wang Academia Sinica	Ying-Lan Chen National Chung Hsing University
11:35-12:10	A Sequential Target and Non-target for Global (STANG) metabolomics in a Single Injection to discover disease biomarkers	Chao-Jung Chen China Medical University	
12:10-13:40	Lunch Break		
13:40-14:30	Charge Detection Mass Spectrometry: Viruses, Vaccines, and Nanoparticles	Martin F. Jarrold Indiana University Bloomington	Yi-Sheng Wang Academia Sinica
14:30-14:50	Break		
14:50-15:25	Precision at the Molecular Scale: How Structural Mass Spectrometry Drives GPCR Drug Discovery	Hsin-Yung Yen Academia Sinica	Chao-Jung Chen China Medical University
15:25-16:00	Exploring the Roles of Plant Peptide Signaling at Single-Cell and Spatial Resolution via MS-Based Multi-Omics	Ying-Lan Chen National Chung Hsing University	
16:00-17:00	Networking & Refreshments		