



STATE KEY LABORATORY OF AGROBIOTECHNOLOGY (SKLA) INSTITUTE OF PLANT MOLECULAR BIOLOGY AND AGRICULTURAL BIOTECHNOLOGY (IPMBAB) (CONCURRENT MEETING)

8:55 Opening Remarks (Prof. HM Lam, SKL Director)

Climate Smart Agriculture

- 9:00-9:11 Understanding the role of acyl-CoA-binding proteins in soybean (Ms. NUR SYIFAH AZLAN, Prof. ML CHYE)
- 9:11-9:22 Chromatin Landscapes Associated with Brassinosteroid Signaling in *Arabidopsis* (Mr. Jiacheng ZHANG, Prof. JX HE)
- 9:22-9:33 The role of m⁶A modification of mRNA in plant adaptation to abiotic stresses (Mr. Shengjie CHEN, Prof. HM LAM)
- 9:33-9:44 Transcriptional regulation of the Casparian strip formation in maize root exodermis (Mr. Weilun LIU, Prof. SL ZHONG)
- 9:44-9:55 Is photosynthesis of guard cell chloroplast important for stomatal opening? (Dr. Shey Li LIM, Prof. BL LIM)
- 9:55-10:06 Impacts of Biochar Amendments on Reactive Nitrogen Emissions from U.S. Agricultural Soils (Dr. Lina LUO, Prof. APK TAI)

Cell Biology and Cell Technology Platform

- 10:06-10:17 Molecular Mechanism of Autophagy in the Stress Response and Sequestration of Environmental Pollutants in Plants (Ms. Chiamaka Linda MGBECHIDINMA, Prof. LW JIANG)
- 10:17-10:28 Understanding Cerebellar Ataxia: Unraveling the Role of Wnt10b and Yy1 in Purkinje Neuron Development (Ms. Ying Lam LUI, Prof. KM KWAN)
- 10:28-10:39 Coordination between chlorophyll biosynthesis and plastid translation in plants (Mr. Jiashuo ZHANG, Prof. P WANG)
- 10:39-10:59 **Group Photo and Break**
- 10:59-11:10 Structural insight into how VSR1-PA interact with cargo c-terminal peptide sequence (Ms. Shu Nga LUI, Prof. KB WONG)
- 11:10-11:21 A Novel reciprocal regulation mechanism for SH3P2 in crosstalk between endocytosis and autophagy (Mr. Kai Ching LAW, Prof. XH ZHUANG)

Molecular Biology and Gene Technology Platform

- 11:21-11:32 Using baleen to identify combinatorial RNA modification events at transcript isoform level through Nanopore direct RNA sequencing (Mr. Yulong CHEN, Prof. TF CHAN)
- 11:32-11:43 Establishing multiple metabolite profiling platforms and rapid gene function characterization system (Ms. Xia ZHANG, Prof. P LIAO)
- 11:43-11:54 Investigating the Dispersion and Factors Impacting the Distribution of *Bradyrhizobium* in Soil (Ms. Jinjin TAO, Prof. HW LUO)
- 11:54-12:05 Modulating Metabolic Plasticity for Obesity Prevention: The Role of Asperuloside and its Target NRF2/PD-L1 Axis (Ms. Hoi Wa YEUNG, Prof. WT WONG)
- 12:05-12:16 Bearskin 2 mediates xylogalacturonan secretion protecting *Arabidopsis* root from salt stress (Dr. Zhongyuan LIU, Prof. BH KANG)
- 12:16-12:27 The function of sesquiterpenoid in chelicerates (Dr. Wai Lok SO, Prof. HL HUI)
- 12:27-12:37 Best Presentation Award and Final Remarks