

Time		Day 4 04 December 2024 Wednesday			
0730-0800		Registration			
0800-0845		MS2-V Plenary Moderator: Sharmarke Mohamed Thermal Topochemical Polymerization Reactions: Challenges and Opportunities Kana M Sureshan			
0845-0945		Special Session Moderator: Kittipong Chainok The Past, Present and Future of Small-Molecule Crystallography: Quantum Crystallography and the QCRBox Horst Puschmann			
0945-1000	Venue: CH2 Moderator: Adam Leow Thean Chor	Venue: CH3 Moderator: Ian Williams		Venue: MR305 Moderator: David Turner	
	MS1-IV Structural Mechanistic Insights into the Function of Phosphatidyethanolamine N-Methyltransferase PmtA Mediating Bacterial Phosphatidylcholine Synthesis Salma Dienta Salsabila	0945-1005	MS2-I Invited Speaker Guest-Regulated Structural Changes of Mechanically Interlocked Polymers Eunji Lee	MS2-VI Invited Speaker Elucidation of Stability of Co-Crystals of Caffeine-Dicarboxylic Acid Complexes by Quantum Crystallography Kunihisa Sugimoto	
1000-1015	MS1-IV Antibody-Assisted Cryo-EM Single-Particle Analysis on Intramembrane Metalloprotease RseP from Aquifex Aeolicus Terukazu Nogi	1005-1020	MS2-I High-Resolution X-Ray Powder Diffraction Reveals Lattice Distortion of Surface and Bulk Regions in Morphology-Controlled Nanocrystals Bo-Hao Chen	MS2-VI Exploring Proton Tautomeric Pathways to Unveil Distinct Behavior of Polar Polymorphic Forms: A Quantum Crystallographic Approach Yogita Gupta	
1015-1030	MS1-IV Structural Insight into the Membrane Organization of Red Blood Cells Ning Gao	1020-1035	MS2-I Structure Analysis and Data Discussion of Azo-Leucine Schiff Base Cu(II) Complex Takashiro Akitsu		
1030-1050		Tea Break / Exhibition / Poster Viewing			
1050-1120	Venue: CH2 Moderator: Siti Nadiah Abdul Halim	Venue: CH3 Moderator: Tan Yee Seng		Venue: MR305 Moderator: Yu-Chun Chuang	
	MS1-III Keynote Exploring the Molecular Machinery of Cell Death to Discover New Drug Targets Peter Czabotar	MS2-III Keynote Responsive Metal-Organic Frameworks for Structural and Colorimetric Transformation Jinhee Park		MS3-I Keynote Synchrotron X-Ray and Neutron Diffraction Methods for Understanding and Improving the Performance of Energy Materials Josie Auckett	
1120-1140	MS1-III Invited Speaker New Structure of Full-Length Rat MLKL Reveals Novel Interface for Interdomain Communication Katherine Davies	MS2-III Invited Speaker Solid-state [2+2] Photo-Cycloaddition and Dynamics in Zn(II) Supramolecular Isomers Assembled with Olefin Ligands In-Hyeok Park		MS3-I Invited Speaker Submillisecond in Situ X-Ray Diffraction Measurement System Using Diamond Anvil Cells at Beamline BL10XU/SPRING-8 Saori Kawaguchi	
1140-1155	MS1-III Molecular Mechanisms of Lipid Antigen Presentation to T Cells in Protective or Aberrant Immunity Adam Shahine	MS2-III In Situ Control of Solid State [2+2] Photodimerization of Styrylpyridine by Crystalline-State Photoisomerization Akiko Sekine		1140-1200	
1155-1210	MS1-III Luteolin as Inhibitor of 3CLpro from SARS-CoV-2 Against COVID-19 Wael Rabeh	MS2-III Mechanochemical Preparation of Binary Pharmaceutical Solid Forms: Characterization and Determination of Dissolution Profiles Juan Manuel Germán-Acacio		1200-1215	
1210-1225	MS1-III Importance of Active Site Residues and Its Substitutions in Plasmodium Pepsin-Like Aspartic Proteases Satadru Chakraborty	MS2-III Mechanically Induced Energy Conversion in Polymorphic Single Crystals Durga Prasad Karothu		1215-1230	
1225-1240	MS1-III Molecular Insights into Metabolite-Mediated T Cell Immunity Wael Awad	MS2-III Efficient Mechanochemical Synthesis of Polyvalent Iodine Salts and Understanding their Reactivities in the Crystalline State Ipsha Shruti		1230-1245	
1240-1255	MS1-III A Novel Conformation-Specific BAK Antibody Enables Assessment of Non-Activated BAK Levels in Cancer Cells Michelle Miller			1245-1300	
1255-1410		Lunch / Exhibition / Poster Viewing			
1410-1455		MS3-VI Plenary Moderator: Leonard Chavas New Generation Low-Dimensional Nanomaterials for Advanced Water Treatment Hui Ying Yang			
1455-1525		Sponsor's Session by DKSH Technology Sdn Bhd Moderator: Ally Yeo Powder Crystallography Options on a Laboratory XRD Umesh Tiwari			
1525-1540	Venue: CH2 Moderator: Dina Muhd Noor	Venue: CH3 Moderator: Kunihisa Sugimoto		Venue: MR305 Moderator: Shee Mei Lok	
	MS1-V Crystal Structure Analyses of Plasmodium Falciparum 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase in Complex with a New Inhibitor Nobutada Tanaka	MS2-VI Keynote Constructing Coordination Polymers and Cages from Low-Symmetry and Chiral Ligands David Turner		MS3-III Keynote Comparison of Crystallography and Cryo-EM: Present and Future Ming-Daw Tsai	
1540-1555	MS1-V Crystallization and Preliminary X-Ray Crystallographic Analysis of a Promiscuous Paraoxonase from a Locally Isolated Organophosphate-Degrading Bacillus sp. S3wahi Ameera Azman				
1555-1610	MS1-V Structural Characterization of Class A β -Lactamase CESS-1 from Stenotrophomonas Sp. : Insights into Its Substrate Preference Myeong-Yeon Kim	MS2-VI Versatile Fluorescence on Single Crystals of Non-Stoichiometric Hydrogen-Bonded Organic Frameworks Depending on the Component Fraction and Distribution Taito Hashimoto		MS3-III Decoding the Allosteric Switches of the NADP-Specific Glutamate Dehydrogenases (GDHs) Arpan Banerjee	
1610-1625	MS1-V Structural Analysis of the ATPase Domain of Mycobacterium Tuberculosis DNA Gyrase in Complex with a Novel Antitubercular Agent Nei-Li Chan	MS2-VI Self-Assemblies of Sulpha-Drug Derived Amides Jubaraj Bikash Baruah		MS3-III Dynamical Refinement on 3D Electron Diffraction Data of Inorganic and Organic Compounds Hrushikesh Chintakindi	
1625-1640		MS2-VI The Role of Supramolecular Interactions in Recognition of Isostructurality Petra A Bombicz		MS3-III Structure Detail Studies by 3D ED Junliang Sun	
1640-1655		Tea Break / Exhibition / Poster Viewing			
1655-1800		Poster Judging MS1-III, MS1-IV MS2-III, MS2-IV MS3-III, MS3-IV			
End					