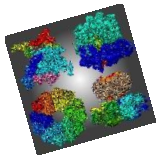


Taiwan Cryo-EM Symposium 2022

2022/03/23 (Wed) - 03/24 (Thur) at IBC Auditorium 103

PROGRAM

03/23/2022 (Wed)		
Time	Speaker	Title
10:00-10:10	Dr. Kay-Hooi Khoo 邱繼輝特聘研究員	Opening Remarks
10:10-11:00	Dr. Ming-Daw Tsai 蔡明道院士	Structural Biology in Taiwan: Past, Present and Future / Overall Progress of TPP
11:00-11:30	Dr. James C. Liao 廖俊智院長	Keynote Frequency-dependent light cycle control of cyanobacteria carbon fixation by a unique ATP allosteric site
11:30-12:00	Dr. Sunney I. Chan 陳長謙院士	Keynote The particulate methane monooxygenase in <i>Methylococcus capsulatus</i> (Bath); After and before the cryo-EM structure
12:00-13:25	Lunch Break Discussion with ASCEM staff in Room 209	
13:25-13:30	Dr. Chwan-Deng Hsiao 蕭傳鐙教授	Session Chair
13:30-14:00	Dr. Shang-Te Hsu 徐尚德教授	Game of spikes - structure-function relations of coronavirus spike proteins
13:55-14:20	Dr. Che Ma 馬徹教授	An Anti-viral Lectin and a Broad-Spectrum COVID-19 Vaccine
14:20-14:45	Dr. Chun-Jung Chen 陳俊榮教授	Capsid assembly and viral infection of nodavirus and tetravirus
14:45-15:10	Dr. Meng-Chiao Ho 何孟樵教授	DNA recombinase fidelity and beyond by cryo-EM
15:10-15:25	Break	
15:25-15:30	Dr. Wei-hau Chang 章為皓教授	Session Chair
15:30-15:55	Dr. Nei-Li Chan 詹迺立教授	Structural basis of transcriptional regulation by the MerR family of regulatory proteins
15:55-16:20	Dr. Hui-Chih Hung 洪慧芝教授	Allosteric Inhibitors of the Human Mitochondrial NAD(P) ⁺ -Dependent Malic Enzyme Alters Energy Metabolism and Suppresses Cellular Respiration
16:20-16:45	Dr. Su-Chang Lin 林世昌教授	Using CryoEM to unravel the mysteries in making a death decision for cells
16:45-17:10	Dr. Kuo-Chiang Hsia 夏國強教授	Karyopherin Kap114p functions as a nuclear transport factor and beyond
17:10-17:40	Dr. Matthias Wolf (on-line)	A capsid with a twist - Assembly mechanism of the pleomorphic immature poxvirus scaffold



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03/24/2022 (Thur)		
Time	Speaker	Title
10:00-10:05	Dr. Kuen-Phon Wu 吳昆峯教授	Session Chair
10:05-10:30	Dr. Wei-hau Chang 章為皓教授	Finding gems hidden in a cryo-EM structure of RNA polymerase at 2.1 Å
10:30-10:55	Dr. Lee-Wei Yang 楊立威教授	Small subunit rolling underlies the mechanism of programmed ribosomal frameshifting
10:55-11:20	Dr. Shang-Rung Wu 吳尚蓉教授	CryoEM structures of macromolecules
11:20-11:45	Dr. Shih-Ming Lin 林士鳴教授	Lipid-embedded structure of the hemolytic toxin from a <i>Vibrio</i> pathogen
11:45-12:10	Dr. Nien-Jen Hu 胡念仁教授	Structural and Functional Studies of the Double-Pore Potassium Channel Uptake System KtrAB in <i>Bacillus subtilis</i>
12:10-13:10	Lunch Break	
13:10-13:15	Dr. Wen Chang 張雯教授	Session Chair
13:15-13:40	Dr. Kuen-Phon Wu 吳昆峯教授	Quaternary structural studies of filamentous proteins
13:40-14:05	Dr. Chi-yu Fu 傅琪鈺教授	3D structural insights of mitochondrial membrane and network remodeling
14:05-14:30	Dr. Rita P.-Y. Chen 陳佩燁教授	Seeing is believing: Visualize the antimicrobial action of peptides by cryo-electron tomography
14:30-14:45	Break	
14:45-17:00	Workshop	
14:45-15:15	Dr. Hsin-Yung Yen 嚴欣勇教授	Integral native-MS and cryo-EM approaches for protein structural study
15:15-16:00	Dr. Wei-hau Chang 章為皓教授	Theory of Micro-ED and Tomography
16:00-17:00	Dr. Meng-Chiao Ho 何孟樵教授	Current status of R&D ASCEM: Time-resolved SPA, Micro-ED and Cryo-ET

Thank you for your participation!