

Day 1		November 21, 2019 (Thursday)	
Time	Program		
08:40-09:00	Registration		
09:00-09:10	Opening Remarks Andrew H.J. Wang , Academia Sinica		
<i>Moderator: Andrew H.J. Wang, Academia Sinica</i>			
09:10-10:00	Plenary Lecture James C. Liao , Academia Sinica Design and Evolution of Chemistry using Cells for Carbon Management		
10:00-10:20	Break		
<i>Moderator: Ming-Daw Tsai, Academia Sinica</i>			
10:20-11:10	Jan-Fang Cheng , Lawrence Berkeley National Lab, USA From Sequence to Function: Leveraging DNA Synthesis and Strain Engineering		
11:10-12:00	Dehua Pei , The Ohio State University, USA Intracellular Biologics: From Protein-Protein Interaction Inhibitors to Enzyme Replacement Therapy		
Lunch			
<i>Moderator: Hsin-Yang Chang, National Sun Yat-Sen University</i>			
13:30-14:20	Ikuro Abe , University of Tokyo, Japan Unusual Enzyme Reactions in Natural Product Biosynthesis		
14:20-15:10	Clay Wang , University of Southern California, USA Filamentous Fungi as Platforms for Natural Product Discovery and Production: Implications for Human Space Exploration		
15:10-15:30	Break		
<i>Moderator: Po-Huang Liang, Academia Sinica</i>			
15:30-16:10	Hsiao-Ching Lin , Academia Sinica Characterization of Novel Enzymes Synthesizing Fungal Natural Products		
16:10-16:50	Hsing-Pang Hsieh , National Health Research Institutes, Taiwan From Bench to Clinic: Novel Kinase Inhibitors as Precision Cancer Medicines		
16:50-17:30	Kai-Fa Huang , Institute of Biological Chemistry, Academia Sinica One Stone Two Birds: Drug Development Targeting the Enzyme Glutaminyl Cyclase for Treatment of Neurodegenerative Diseases and Cancers		
18:00-20:00	Dinner Banquet (Invited guests only)		

Day 2		November 22, 2019 (Friday)	
Time	Program		
08:40-09:00	Registration		
<i>Moderator: Meng-Chiao Ho, Academia Sinica</i>			
09:00-10:00	Plenary Lecture Vern Schramm , Albert Einstein College of Medicine, USA Transition State Analogues as Drug Candidates		
10:00-10:20	Break		
<i>Moderator: Jei-Fu Shaw, I-Shou University</i>			
10:20-11:20	Allan Svendsen , Novozymes Natural Inhibitor with Impact on Lipase Function – Engineering Surface Activity		
11:20-12:00	Peiching Chang , Industrial Technology Research Institute, Taiwan Engineering Efficient Production of Itaconic Acid from Diverse Carbon Source in <i>Escherichia Coli</i>		
Lunch			
<i>Moderator: Chia-Ning Shen, Academia Sinica</i>			
13:30-14:20	Kengo Okada , Axcelead Drug Discovery Partners, Inc. Lessons Learned from Drug Discovery Targeting Enzymes: Approaches from Industry Perspective		
14:20-15:00	Shih-Chong Tsai , Development Center for Biotechnology, Taiwan An Enzyme Based Antibody-Drug Conjugate Platform		
15:00-15:40	Jan-Jong Hung , National Cheng-Kung University, Taiwan USP24-mediated ABCs Transporters and Genomic Instability Promotes Drug Resistance during Cancer Therapy		
15:40-16:00	Break		
<i>Moderator: Shang-Te Danny Hsu, Academia Sinica</i>			
16:00-16:40	Chun-Jung Chen , National Synchrotron Radiation Research Center, Taiwan Structures of Shrimp Nodaviruses Reveal Mechanisms of Capsid Assembly and Viral Infection and Structural Evolutionary		
16:40-17:20	Chin-Yu Chen , National Central University, Taiwan Use of Cryo-EM to Uncover Structural Bases of Ph Effect, Cofactor Bispecificity and Temperature-Dependent Function of Ketol-Acid Reductoisomerase		
17:20-17:30	Closing Remarks Andrew H.J. Wang , Academia Sinica		