

Workshop III : Applications of Soft X-ray Tomography in Biomedical Sciences

Chair: Lee-Jene Lai (賴麗珍)

November 12 (Thursday)

Place: D101

08:30 Registration

09:20 **Workshop Opening Remarks**

Chun-Jung Chen (陳俊榮), NSRRC (國家同步輻射研究中心)

Session Chair: Lee-Jene Lai (賴麗珍)

09:30 III1 **Visualization of Accumulation of Galectins Around Damaged Organelles: Cytosolically Exposed Glycans as Novel Mediators of Cellular Response**

Fu-Tong Liu (劉扶東), Academia Sinica (中央研究院)

10:15 Coffee Break

Session Chair: Lee-Jene Lai (賴麗珍)

10:45 III2 **Role of IL-33 Mediated Chromatin Organization in Glial Cell Proliferation and Differentiation**

Shun-Fen Tzeng (曾淑芬), National Cheng Kung Univ. (國立成功大學)

11:15 III3 **Clarifying Mitochondrial Network and Organelle Contacts in Eukaryotic Cells at Metabolic Remodeling Phase**

Chuang-Rung Chang (張壯榮), National Tsing Hua Univ. (國立清華大學)

11:45 Lunch

Session Chair: Shun-Fen Tzeng (曾淑芬)

13:30 III4 **Deciphering the Complex Role of Human Microcephaly Proteins in Centriole Duplication and Ciliogenesis**

Tang K. Tang (唐堂), Academia Sinica (中央研究院)

14:00 III5 **Gefitinib Resistant Lung Cancer Stem Cell Associated Bulky-ball-like Nucleolus as p53 Molecular Cage is Resolved in Soft-X-ray Tomography**

Wei Hsuan Yu (游偉綸), National Taiwan Univ. (國立臺灣大學)

14:30 III6 **The Roles of HAP40 in Mitochondrial Dysfunction of HD Model Cells**

Lu-Shium Her (何盧勳), National Cheng Kung Univ. (國立成功大學)

15:00 Coffee Break

Session Chair: Shun-Fen Tzeng (曾淑芬)

15:30 III7 **Mitochondrial Structure and Network Remodeling Studies by Cryo-electron Tomography**

Chi-Yu Fu (傅琪鈺), Academia Sinica (中央研究院)

16:00 III8 **Scientific Opportunities of Soft X-ray Tomography in Bio-Science**

Lee-Jene Lai (賴麗珍), NSRRC (國家同步輻射研究中心)

16:30 **Discussion & Closing Remarks**

16:40 **TPS 24A Site Visit**

17:20