*Professors presentations **25min + 5 min** QA, Students presentations **10 min +2 min** QA

Time	Agenda
08:50-09:10	**Opening Remarks (Group Photo) 20 minutes**
09:10 - 10:50	**Session 1- Mitochondrial Dynamics and Protein Homeostasis (Host: Pin-Chao Liao)** **Naotada Ishihara** *Mitochondrial membrane and genome dynamics in health, immunity, and aging* **Pin-Chao Liao** *Mitochondria-associated degradation (MAD) regulates proteostasis of the succinate dehydrogenase subunit Sdh1* Nanami Oishi *Development of a Rapid Mitochondrial Morphology Manipulation System to Investigate Early Cellular Responses to Imbalanced Mitochondrial Morphology* Ming-Yang Li *Actin Regulator Srv2/CAP2 Involves in Regulating ER-mitochondria Contact to Mediate Mitochondrial Dynamics* Toshihisa Maeshima *Cryo-EM structures of ciliary inner-arm dynein d reveal distinct structural features of force generation*
10:50- 11:00	**Break 10 minutes**
11:00-12:10	**Session 2- Gene Regulation and Evolutionary Genomics (Host: Chen Siang Ng)** **Yuuri Yasuoka** *Multi-omics analysis toward understanding nuclear-mitochondrial gene network evolution* Tomohiro Ohsako *Bulked segregant analysis reveals an lncRNA locus associated with photoperiodic induction of diapause in the two-spotted spider mite, Tetranychus urticae Koch* Naohiko Tanioka *Roles of Periphilin in HUSH recruitment to nuclear stress bodies and LINE-1 regulation* Daniel Garcia Ruiz *Continental Differences in Selection on Plasmodium falciparum Revealed by Simulation-Informed π_N/π_S*
12:10-13:00	**Lunch 50 minutes**
13:00-14:40	**Session 3- Functional Diversity in Development and Physiology (Host: Choo Hock Tan)** **Yuta Kato** *Diversity of Photosynthesis: Exploring Photosynthetic Dynamics through Leaf Sections* **Choo Hock Tan** *Snake Venom as a Window into Evolution:From Diversity to Medicine* Tetsushu Kajiwara *Identification of Regulatory Factors Controlling Vascular Stem Cell Fate through Cell Fate Tracking* Asmi Acharya *Investigating the expression of cardioexcitatory peptide in the pond snail, Lymnaea stagnalis* Fahima Tabassum *Morphology and Behavioral Responses of Chromidinids Associated with the Renal Organs of Todarodes pacificus*
14:40-15:00	**Break 20 minutes**
15:00-16:10	**Session 4- Cytoskeletal Dynamics and Intracellular Transport (Host: Kazuhiro Takemura)** **Kazuhiro Takemura** *Exploring Biomolecular Structures and Interactions with Molecular Dynamics* Yin Fang *Revisiting Microtubules Using Optogenetic Tools* Neng-Jie Zeng *Optogenetic Modulation of Microtubule Structure and Intracellular Trafficking in Behaving Animals* Vignesh Mahendran Ruckmani *A Mutation in Vesicular Acetylcholine Transporter Increases Tubulin Acetylation Compromising Synaptic Vesicle Transport*
16:10-16:20	**Break 10 minutes**
16:20-17:20	**Session 5- Cellular Stress Responses and Cancer Biology (Host: Tzu-Kang Sang)** **Tzu-Kang Sang** *The Unexpected Journey of Blue Cheese: Cross-Talk Between Autophagy and Genotoxic Stress* Ming-Hong Chao *Explore the Role of KIF2C in DNA Double-Strand Break Repair* Nai-Jung Cheng *Bioinformatic and experimental identification of TCMs enhancing miR-708 expression in triple-negative breast cancer*
17:20-17:40	**Award & Closing remarks**