

Student Session PROGRAM

Day1: October 27 (Wed.)

15:40-17:00

Chair: Fei Li [SIBCB]

Session 1 : Cancer

15:40-15:50 **BRCA2 regulates telomere replication homeostasis through protecting telomeric**
P-17 **G-quadruplex**
SoYoung Joo [IMBG]

15:50-16:00 **ERG orchestrates chromatin interactions to drive prostate cell fate reprogramming**
P-18 **Fei Li [SIBCB]**

Session 2 : Aging and degenerative disorders

16:00-16:10 **Dorsomedial hypothalamic BDNF neurons integrate thermal afferent signals to control**
P-19 **energy expenditure.**
Qian Zhou [SLST, ShanghaiTech University]

16:10-16:20 **Understanding the dynamic role of cell-matrix interaction in the loss of chondrocyte**
P-20 **phenotypes during *in vitro* expansion**
Yunhye Kim [SIMS]

Session 3 : Molecular mechanisms and techniques

16:20-16:30 **Use of microfluids to study axonal local translation in adult sensory neurons**
P-21 **Maria Fransiska Emily [OIST]**

16:30-16:40 **DNA-encoded library: Expanding chemical space by diverse on-DNA synthesis**
P-22 **Yuang Gu [SIAIS, ShanghaiTech University]**

16:40-16:50 **The *Escherichia coli* intramembrane protease RseP regulates iron uptake by cleaving the**
P-23 **sigma factor regulator FecR**
Tatsuhiko Yokoyama [INFRONT]

16:50-17:00 **Oxidative phosphorylation benefits dengue virus replication in *Aedes aegypti* mosquitoes.**
P-24 **Yu-Ning Huang [IBMB]**

Day2: October 28 (Thu.)

13 :25-14:45

Chair: Daisy S. Lim [IMBG]

Session 4 : Inflammation, infection and immunity

13:25-13:35 **Weight cycling aggravates liver fibrosis in non-alcoholic fatty liver disease (NAFLD) through**
P-25 **the Kupffer cell derived IGFBP7**
Shindy Soedono [SIMS]

13:35-13:45 **JunB regulates common and lineage-specific transcriptional program of distinct CD4⁺**
P-26 **effector T cells**
Tsunghan Hsieh [OIST]

13:45-13:55 **Identification of damage-associated molecular patterns for type I interferon induction**
P-27 **during myocardial infarction**
Wan-Ju Chien [IBMB]

Session 5 : Development and stem cell

13:55-14:05 **Lineage tracing the differentiation potential of Sca1+ vascular stem cells**
P-28 **Haixiao Wang [SIBCB]**

14:05-14:15 ***daf-42* is an essential gene for development into diapause stage in *Caenorhabditis elegans***
P-29 **Daisy Sunghee Lim [IMBG]**

14:15-14:25 **Recapitulating the interactions of hematopoiesis and liver organogenesis during human fetal**
P-30 **liver development**
Yang Li [IMSUT]

Session 6 : Genome science and computational biology

14:25-14:35 **UDON: Unsupervised data selection for biomedical entity recognition**
P-31 **Arda Akdemir [IMSUT]**

14:35-14:45 **100-My history of bornavirus infections hidden in vertebrate genomes**
P-32 **Junna Kawasaki [INFRONT]**