

Young Scientist Session
PROGRAM

Day1: October 27 (Wed.)

15:40-17:00

Moderator: Ryo Ichijo [Assistant Professor, INFRONT]
Chair: Yoshikazu Johmura [Assistant Professor, IMSUT]

Session 1 : Aging and degenerative disorders

15:40-15:50 P-1 Escape from senescence surveillance by immune checkpoint and its blockade ameliorates various senescence-associated disorders
Yoshikazu Johmura [Assistant Professor, IMSUT]

15:50-16:00 P-2 Age-associated alteration of female reproductive morphology and fertility in mice
Yu Ishikawa-Yamauchi [JSPS Research Fellow, IMSUT]

16:00-16:10 P-3 Loss of UCHL1 induces anti-parkinsonian effects by suppressing glycolysis
Su Jin Ham [Postdoctoral Fellow, IMBG]

Session 2 : Molecular mechanisms and techniques

16:10-16:20 P-4 Brown adipocyte VLDLR is essential to supply energy sources for adaptive thermogenesis
Kyung Cheul Shin [Postdoctoral Fellow, IMBG]

16:20-16:30 P-5 Structural insights into the activation of chemokine receptor CXCR2
Kaiwen Liu [Postdoctoral Fellow, iHuman Institute, ShanghaiTech University]

16:30-16:40 P-6 Reproductive system via non-coding RNAs in rice
Reina Komiya [Science and Technology Associate, OIST]

16:40-16:50 P-7 Structural basis for commensurate operator binding specificity and sequence-independent DNA distortion by the MerR family transcriptional regulators
Chih-Chiang Chang [Postdoctoral Fellow, IBMB]

16:50-17:00 P-8 Small-angle scattering for drug development and formulations
Na Li [Research Associate, NCPSS]

Day2: October 28 (Thu.)

13:25-14:45

Moderator: Ryo Ichijo [Assistant Professor, INFRONT]
Chair: Hsin-Fang Tu [Postdoctoral Fellow, IBMB]

Session 3 : Development and stem cell

13:25-13:35 P-9 Vasculature-driven stem cell population coordinates tissue scaling in dynamic organs
Ryo Ichijo [Assistant Professor, INFRONT]

13:35-13:45 P-10 Regulation of Procr+ endothelial progenitors during vascular development.
Qing Cissy Yu [Associate Professor, SIBCB]

13:45-13:55 P-11 Pigmentation patterning in anemonefishes
Marleen Klann [Staff Scientist, OIST]

Session 4 : Cancer

13:55-14:05 P-12 Development of a novel method to maintain the self-renewal of head and neck cancer patient-derived cancer cells and their potential applications in drug screening platform
Joohyun Kim [Postdoctoral Fellow, SIMS]

14:05-14:15 P-13 Afatinib exerts immunomodulatory effects by targeting the pyrimidine biosynthesis enzyme CAD
Hsin-Fang Tu [Postdoctoral Fellow, IBMB]

Session 5 : Inflammation, infection and immunity

14:15-14:25 P-14 Irradiation-induced intestinal damage is recovered by indigenous gut bacteria *Lactobacillus acidophilus*
Panida Sittipo [Postdoctoral Fellow, SIMS]

14:25-14:35 P-15 A crucial role of the conserved non-coding sequences Foxp3-CNS0 and -CNS3 in the lineage specification of thymic regulatory T cells
Ryoji Kawakami [Program-specific Assistant Professor, INFRONT]

14:35-14:45 P-16 Identification and characterization of a small molecule compound and a monoclonal antibody blocking SARS-CoV-2 spike protein-ACE2 interaction
ChangDong Lin [Associate Professor, SIBCB]