

2024 NTHU-OU Hybrid Symposium on Biological and Medical Sciences

Date: January 18, 2024

Location: Nambu Hall, 2nd floor, Bldg.J, Graduate School of Science, Toyonaka, OU

Program in Japan Time (Taiwan Time)

- 10:00-10:05 (9:00-9:05) Opening Remarks: **Naotada Ishihara**, Professor,
Department of Biological Sciences, OU
- 10:05-10:10 (9:05-9:10) Opening Remarks: **Tsung-Han Kuo**, Associate Professor,
Institute of Systems Neuroscience, NTHU

10:10-10:40 (9:10-9:40) **Asako Shindo (Professor)**, OU
Environmental control of organ morphogenesis during development

10:40-11:10 (9:40-10:10) **I-Ching Wang (Associate Professor)**, NTHU
Transcription Factor Foxm1 in Lung Cancer Development: Lessons from
Genetically Engineered Mouse Models (GEMMs)

Break (10 min)

11:20-11:40 (10:20-10:40) **Ran Xu (PhD student)**, OU
Transcriptional restart causes chromosomal rearrangements at centromeres

11:40-12:00 (10:40-11:00) **Chang-Yi Chiu (PhD student)**, NTHU
CORNICHON 5 (CNIH5) as a cargo receptor for endoplasmic reticulum export of the
PHOSPHATE TRANSPORTER1 (PHT1) family in Arabidopsis

12:00-12:20 (11:00-11:20) **Takamasa Higashi (PhD student)**, OU
Identification of initial cue that leads to the left-right asymmetric morphogenesis of the
embryonic midgut using a novel image-standardizing technique in *Drosophila*

12:20-12:40 (11:20-11:40) **Yao-De Huang (Master student)**, NTHU
Clarifying the role of vascular iron transporter in mitochondria and cell fitness

Lunch 12:40-13:30 (11:40-12:30)

13:30-13:50 (12:30-12:50) **Shin-Huey Lin (PhD student)**, NTHU
Foxm1 regulates the polarization of macrophages in mediating kidney fibrosis

13:50-14:10 (12:50-13:10) **Akane Imada (Master student)**, OU
Regulation of mutation rate and copy number of mitochondrial DNA in mammalian cells

14:10-14:30 (13:10-13:30) **Chen-Wei Hsu (Master student)**, NTHU
Downregulation of outsiders promotes lifespan and healthspan in *Drosophila*

Break (10 min)

14:40-15:00 (13:40-14:00) **Ayami Takauchi (Master student)**, OU
A gut ceramidase activity determines the species- and strain-specific aging speed

15:00-15:20 (14:00-14:20) **Yuan-Shao Pao (PhD student)**, NTHU
KIF2C, a Novel Therapeutic Target to Overcome Paclitaxel Resistance

15:20-15:40 (14:20-14:40) **Naoki Hisayama (PhD student)**, OU
Taxes of dicyemids: Life in renal organ and dispersing into the sea

Break (10 min)

15:50-16:20 (14:50-15:20) **Yumiko Kubota (Associate Professor)**, OU
TopBP1 regulates the distribution of DNA replication origins by both
activating and inhibiting DNA replication initiation

16:20-16:50 (15:20-15:50) **Tsung-Han Kuo (Associate Professor)**, NTHU
Naughty or Nice: hidden prosocial behaviors underlying aggression motivation

16:50-17:20 (15:50-16:20) Ceremony of Awarding Best Presentations

17:20-17:30 (16:20-16:30) Closing Remarks: **Takahide Kon**, Professor and Director,
Department of Biological Sciences, OU

17:30-17:40 (16:30-16:40) Closing Remarks: **Linyi Chen**, Professor and Associate Dean,
College of Life Science, NTHU

