2025 NTHU-UOsaka Joint Symposium

29 September, 2025

Room D501, Graduate School of Science,
Toyonaka Campus, The University of Osaka



9:15 — **Opening : Naotada ISHIHARA, Professor, Department of Biological Sciences, UOsaka**

Session 1 9:20-

Tsung-Han Kuo
Associate Professor, NTHU
"Positive correlations between social hierarchy and memory ability in mice and young children"

Asahi YAMAKI
Master student, UOsaka
"Structural Robustness of Heterochromatin in the Inactive X Chromosome of Human Somatic Cells"

Kuang-Huan Cheng
PhD student, NTHU
"Implications and Ramifications of Using the CDC Tier 1 Genetic Screening Concept in East Asian Populations"

Airi TAKASU
Master student, UOsaka
"Elucidation of the significance of Mid51 expression changes under stress conditions"

coffee break

Session 2 10:35-

Fahima Tabassum
PhD student, UOsaka
"Histology-Based Circulatory System Reconstruction of Sepiolidae (Bobtail Squids) and Renal Parasite Documentation"

Shu-Yao Hsu
PhD student, NTHU
"A Comprehensive Computer-Assisted Quantitative Analysis of Yeast Mitochondrial Morphology Under Conditioned Medium Treatment"

Hisashi TOBITA
Assistant Professor, UOsaka
"Reverse genetic studies on photoperiodism in the silkworm, Bombyx mori"

coffee break

Session 3 11:40-

Ahmed Mohamed Ragab
PhD student, NTHU
"Targeting -1 Programmed Ribosomal Frameshifting in SARS-CoV2: From Rational Drug Repurposing to Mechanistic Insights"

Daiki UMETSU
Associate Professor (Lecturer), UOsaka
"Temporal coordination of cell degradation and tissue growth by macrophages during muscle remodeling in Drosophila"

Shunsuke CHIKUMA
Associate Professor, NTHU
"Mechanisms of T cell Tolerance by TRIM28"

Lunch

Keynote Lecture 13:45-14:25

Takeharu NAGAI
Professor ,SANKEN, UOsaka
"Advancing Bioimaging with Autoluminescent Proteins and Trans-Scale Ultra-Wide-Field Microscopy"

coffee break

Session 4 14:40-

Cheng Siang Ng
Assistant Professor, NTHU
"Genomic Insights into Evolutionary Innovation of Birds"

Tsuyoshi UENO
PhD student, UOsaka
"Thermo-sensing regulatory mechanisms underlying splicing control by nuclear stress bodies"

Dwika Sarnia Putri
Master student, NTHU
"Functional Role of LIN-2/CASK in LIN Complex to Regulates Kinesin-2 KIF17 (OSM-3) and Kinesin-3 KIF1A(UNC-104) Coordination in Neuronal Transport"

Zhong-Liang Wang
PhD student, NTHU
"Precision therapy targeting oncogenic KRAS-driven cancer using microRNA-based approaches"

Koh HAMAUCHI
Master student, UOsaka
"Spatial and temporal analysis of clock gene expressions involved in the circabidian rhythm in Holotrichia parallela"

coffee break

Session 5 16:15

Shao-Ming Chang
PhD student, NTHU
"Investigating Gene Functions in Beak Formation of the African Sacred Ibis"

Abhijeet Purkayastha
PhD student, UOsaka
"An Old Species, a New Perspective: Integrative Taxonomy of a Deep-Sea Octopus from Sea of Japan"

Cai-Shan Yu
Master student, NTHU
"Centriolar satellites are required for cilia formation and centrosomal protein degradation"

Yuki KONDO
Professor, UOsaka
"Understanding the mechanisms of plant vascular cell fate determination using VISUALs"

17:15 — **Closing : Tsung-Han Kuo, Associate Professor, NTHU**