

# 2025 NTHU-UOsaka Joint Symposium



29 September, 2025

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



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

9:15

**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**

**Takeharu NAGAI**  
Professor, SANKEN, UOsaka

"Advancing Bioimaging with Autoluminescent Proteins and Trans-Scale Ultra-Wide-Field Microscopy"

**Cheng Siang Ng**  
Associate 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 KIFIA(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 circadian 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**