

Molecular Basis and Physiological Functions of Expression Control Revealed by Structural Biology

PROGRAM

- 13:00–13:05 • **Opening remarks Yasushi Kawaguchi**
Division of Molecular Virology, IMSUT
- 13:05–13:45 • **Modulating elongation of 80S ribosomes by CAF-1 and Dhx29**
Roland Beckmann *Gene Center & Department of Biochemistry, LMU Munich*
- 13:45–14:15 • **Structural insights into transcription on chromatin**
Tomoya Kujirai *Institute for Quantitative Biosciences, The University of Tokyo*
- 14:15–14:45 • **From Single Cells to Populations: How the Timing of HSV-1 Gene Expression Shapes Virus Production**
Yuhei Maruzuru *Division of Molecular Virology, IMSUT*
- 14:45–15:05 • **Physiological roles of translational quality control**
Toru Suzuki *Division of RNA and Gene Regulation, IMSUT*
- 15:05–15:25 • **Selective degradation of the ribosomal 40S subunit during translation initiation, elongation, and termination**
Sihan Li *Division of RNA and Gene Regulation, IMSUT*
- 15:25–15:50 • **COFFEE BREAK**
- 15:50–16:30 • **David versus Goliath: Development antibiotics to overcome multi-drug resistant pathogens**
Daniel N. Wilson *Institute of Biochemistry & Molecular Biology, University of Hamburg*
- 16:30–17:00 • **Structural analyses of the ribosome arrest and release mechanisms.**
Yuzuru Itoh *Graduate School of Biomedical and Health Sciences, Hiroshima University*
- 17:00–17:30 • **Quiescence and Proteostasis in Neural Stem Cells**
Taeko Kobayashi *Division of Protein Metabolism, IMSUT*
- 17:30–17:50 • **Parallel ZNF598 and GIGYF2 pathways mediate conserved collision dependent mRNA decay with divergent endonucleolytic features**
Satoshi Hashimoto *Division of RNA and Gene Regulation, IMSUT*
- 17:50–18:20 • **Ribosome UFMylation safeguards cotranslational protein targeting to the ER**
Toshifumi Inada *Division of RNA and Gene Regulation, IMSUT*

