

Monday, March 3 (Day 1) 13:20-13:40

Poster Flash Talk 1

- P-01 Exploration of novel kinesin-targeted anticancer drugs using yeast-based platform**  
Fara Difka Afdilla (Hiroshima University, Japan)
- P-07 A many-species view of genomic architecture reveals general rules**  
Rory Thomas Cerbus (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-09 3D Printed Hydrogel Scaffold Loaded with Silver Nanoparticles for Localized Photothermal Therapy in Melanoma**  
Jayita Das (Nagoya City University , Japan)
- P-13 Compensatory mechanism under choline deficiency in *Drosophila melanogaster***  
Yuka Fujita (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-17 Dietary Availability Acutely Influences Puberty Onset via a Hypothalamic Neural Circuit**  
Teppei Goto (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-19 Mechanism of nuclear condensate miscibility**  
Shoma Inoue (The University of Tokyo, Japan)
- P-21 SSBD: Global sharing of bioimaging data**  
Hiroya Itoga (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-23 Phase transition in colocalization of multiple Brownian particles**  
Takahiro Kanazawa (The University of Tokyo, RIKEN Center for Biosystems Dynamics Research, Japan)
- P-25 Multiple Sources of Wnt Secretion Cooperatively Regulate Sensory Cell Specification and Organization during Cochlear Development**  
Ippei Kishimoto (Stanford University, USA)
- P-27 The transcription factor Chronophage/BCL11A/B promotes intestinal stem cell proliferation and endocrine differentiation**  
Jerome Korzelius (University of Kent, UK)

- P-33 Functional analysis of asynchronous Hes1 oscillations in the neural tube formation**  
Yuki Maeda (RIKEN Center for Brain Science, Japan)
- P-35 Dynamic cell proliferation control coupled with intestinal stem cell differentiation**  
Shuji Matsuguchi (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-37 A model for periodic patterning of tracheal cartilage rings**  
Masahito Mori (The University of Tokyo , Japan)
- P-39 Self-organized periodic patterning driven by Wnt-responding chondrocytes**  
Shogo Nakayama (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-41 Investigation of the Mechanism of Maintaining Amino Acid Homeostasis by Excretion in *Drosophila***  
Ayano Oi (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-47 Comparison of patient tissue- to pluripotent stem cell-derived epithelial organoids**  
Noah Shroyer (Cincinnati Children's Hospital, USA)
- P-49 Interactive training-based AI image analysis tool for 3D cell tracking**  
Ko Sugawara (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-51 Harnessing endogenous stem cells for tissue regeneration in congenital organ deficits**  
Mukhamad Sunardi (Kobe University Graduate School of Medicine, Japan)
- P-57 Emergent Tissue Morphogenesis in Limb Development: A Synergy of 2.5D, 3D Cultures and Mathematical Modeling**  
Rio Tsutsumi (Kyoto University, Japan)
- P-61 Neurotensin-expressing Sympathetic Preganglionic Neurons Delineate Specific Sympathetic Outflow Regulating Kidney and White Adipose Tissue**  
Serika Yamada ( RIKEN Center for Biosystems Dynamics Research, Japan)

Tuesday, March 4 (Day 2) 12:40-13:00

Poster Flash Talk 2

- P-06**     **Generating patient-derived lung normal and tumour organoids from different cells of origin and with different mutational background**  
Vittorio Barbe (The Francis Crick Institute, UK)
- P-08**     **Directing the cellular and molecular mechanisms of inflammation to drive heart regeneration in adult zebrafish**  
Shuk Han Cheng (City University of Hong Kong, Hong Kong)
- P-12**     **Radiation-induced stem cell competition in intestinal organoids**  
Yuki Fujimichi (Central Research Institute of Electric Power Industry (CRIEPI), Japan)
- P-14**     **Gene-scale *in vitro* reconstitution reveals direct control of chromatin architecture by histone acetylation patterns**  
Yohsuke Fukai (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-20**     **Systemic aberrant sympathetic neurogenesis driven by Schwann cell precursors and its role in neurocristopathy**  
Keisuke Ito (Kobe University, Japan)
- P-22**     **Cdh2 as a Hes7 downstream target regulates presomitic mesodermal cell differentiation by supporting FGF signaling**  
Xueqi Jia (RIKEN Center for Brain Sciences, Japan)
- P-24**     **Post-blood meal amino acid metabolism for egg maturation in the yellow fever mosquito, *Aedes aegypti***  
Yusuke Kato (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-26**     **Function and regulatory mechanism of organismal homeostasis by dietary zinc restriction**  
Souto Kitazawa (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-30**     **Basement membrane components construct tissue environment to maintain hair follicle niche fibroblasts as mesenchymal aggregates**  
Hiroki Machida (RIKEN Center for Biosystems Dynamics Research, Japan)

- P-34 Decoding Hes1 oscillations in proliferating neural stem cells during embryonic neurogenesis**  
Taimu Masaki (RIKEN Center for Brain Sciences, Japan)
- P-36 Dopamine and Acetylcholine dynamics regulate sequential transitions in male sexual behaviors**  
Ai Miyasaka (University of Tsukuba, Japan)
- P-40 Quantitative characterization of torpor-associated behaviors in mice**  
Akinobu Ohba (Nagoya University Graduate School of Medicine, Japan)
- P-42 Investigating the role of Cyclooxygenase-2 in integrating the cellular events inciting organogenesis during the development of zebrafish**  
Lakshmi Pillai (The Maharaja Sayajirao University of Baroda, India)
- P-44 ECM as a driver and responder of tissue aging**  
Eleanor Sheekey (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-50 Tubular Structure Formation of Bovine Uterine Glands under 3D *In Vitro* Culture Systems**  
Yosuke Sugino (Okayama University, Japan)
- P-52 Single-cell CRISPR-activation screen identifies hepatic maturation regulators with zonal resolution**  
Atsuhiko Taguchi (Chiba University Graduate School of Medicine, Japan)
- P-58 Brainstem Neurons Orchestrating Multiple Thermogenic Pathways**  
Shuntaro Uchida (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-60 Development and applications of FMO DB: a quantum chemical database for biomolecular interactions**  
Chiduru Watanabe (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-62 Optogenetic actin network assembly on lipid bilayer uncovers the network density-dependent functions of actin-binding proteins**  
Kei Yamamoto (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-64 Spatiotemporal measurement of pericyte-endothelium interaction and vascular morphogenesis dynamics via microvessel-on-a-chip platform**  
Hede Zeng (Institute of Industrial Science, The University of Tokyo, Japan)