

- P-01 Injury induced epithelial plasticity drives taste bud regeneration via cell dedifferentiation**  
Anish Adpaikar (Yonsei University College of Dentistry, Republic of Korea)
- P-02 Live-imaging analysis of mouse oocyte development**  
Eishi Aizawa (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-03 Integrative analysis of the developmental pace and direction during differentiation from pluripotent to neural stem cells**  
Hiroto Akuta (Hiroshima University, Japan)
- P-04 Growth of the maternal intestine during reproduction**  
(S4-3) Tomotsune Ameku (Imperial College London, UK)
- P-05 Global profiling of the circadian-regulated lipid metabolism in Arabidopsis thaliana leaves**  
Artik Elisa Angkawijaya (RIKEN Center for Sustainable Resource Science, Japan)
- P-06 A synthetic microscale kinetochore establishes a biorientation-like state**  
Kohei Asai (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-07 The Intrinsic And Extrinsic Apoptotic Pathways Inhibit Axon Arbor Growth and Synaptogenesis, Restricting Arbor Aging Via Caspase Catalytic Activity-Dependent And Independent Pathways**  
Douglas Campbell (Kyoto University, Japan)
- P-08 Finding patterns in the tetrapod vertebral count**  
Rory Cerbus (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-09 Unraveling the temporal dynamics of nuclear A/B compartment formation in mouse embryonic stem cells**  
Linda Choubani (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-10 Unbiased genome-wide mapping of fragile sites in single mammalian cells**  
Jothivanan Elumalai (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-11 Reconstitution and characterization of long chromatin array with defined nucleosome modification patterns and positional barcodes**  
Yohsuke Fukai (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-12 Spontaneous myoblast differentiation driven by intra- and intercellular dynamics**  
Yoshizuki Fumoto (Graduate School of Medicine, Hokkaido University, Japan, Japan)

- P-13 Investigating genotype-dependent viral infection and immune phenotypes using genetically diverse human cell libraries**  
Steven Heaton (RIKEN Center for Integrative Medical Sciences, Japan)
- P-14 Eggshell functions in *C. elegans* embryonic development**  
Akiko Hatakeyama (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-15 Genetic analysis of developmental speed in *C. elegans***  
Kaho Ieda (Graduate School of Science, Nagoya City University, Japan)
- P-16 SSBD: Global sharing of bioimaging data**  
Hiroya Itoga (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-17 Restoration of biological age during prolonged fasting-refeeding modulated by fasting-responsive linker histone**  
(S6-2) Kazuto Kawamura (Max Planck Institute for Biology of Ageing, Germany)
- P-18 Developmental hourglass: Verification by numerical evolution and elucidation by dynamical-systems theory**  
Takahiro Kohsokabe (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-19 A state of partial Rb inactivation and intermediate E2F activation safeguards proliferation commitment**  
Yumi Konagaya (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-20 Transcriptomic analysis on the effects of sulfur dioxide on the development and longevity of *Caenorhabditis elegans***  
King Law (Ritsumeikan University, Japan)
- P-21 The role of MAST4 on spermatogonial stem cell self-renewal during spermatogenesis**  
Seung-Jun Lee (Yonsei University College of Dentistry, Republic of Korea)
- P-22 Timeline analysis for *Caenorhabditis elegans* epidermal morphogenesis**  
Fangzheng Li (Ritsumeikan University, Japan)
- P-23 Tuning circadian rhythm of CAFs against cancer progression**  
Shujin Li (Yonsei University College of Dentistry, Republic of Korea)
- P-24 NGN3 oscillatory expression controls the timing of human pancreatic endocrine differentiation**  
Anzy Miller (University of Manchester, UK)
- P-25 Why do animals die from starvation?**  
Yusei Miura (RIKEN Center for Biosystems Dynamics Research, Japan)

- P-26**     **Dietary Availability Acutely Governs Puberty Timing via Hypothalamic Neural Circuit**  
(S6-3) Kazunari Miyamichi (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-27**     **Morphological transitions of lipid vesicles driven by the contraction of cortical actomyosin networks**  
Makito Miyazaki (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-28**     **The role of Pri micropeptides in epithelial invagination**  
Sonoko Mizuno (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-29**     **Insidious chromatin change with a propensity to exhaust intestinal stem cells during aging**  
Saki Naito (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-30**     **An age-dependent signaling network ensures lifelong maintenance of intestinal epithelial homeostasis**  
May Nakajima-Koyama (CiRA, Kyoto University, Japan)
- P-31**     **Amino acids exert a suppressive effect on erebosis in the *Drosophila* midgut**  
Yukana Nakamura (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-32**     **Exploration of chromatin accessibility for hepatocyte regeneration using in vitro hepatocyte culture models**  
Mayumi Oda (Keio University School of Medicine, Japan)
- P-33**     **Proper nuclear compartment orchestration in G1 phase is essential for DNA replication control**  
Asami Oji (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-34**     **Oncogenic stress-induced Netrin is a humoral signaling molecule that reprograms systemic metabolism in *Drosophila***  
Morihiro Okada (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-35**     **Usp7 regulates glial lineage cell-specific transcription factors by modulating histone H2B monoubiquitination**  
Suresh Ramakrishna (Hanyang University Graduate School for Biomedical Science and Engineering, Republic of Korea)
- P-36**     **Contactless metabolism estimation of small animals using high-frequency millimeter-wave radar**  
Hiroaki Ono (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-37**     **GALDAR: A novel genetically encoded galactose sensor**  
Ugurcan Sakizli (RIKEN Center for Biosystems Dynamics Research, Japan)

- P-38 Species-specific developmental rate determines the size of the vertebrate neural tube**  
Noriaki Sasai (Nara Institute of Science and Technology, Japan)
- P-39 Spermatogenic cycle and wave: self-organizing dynamical patterns of germ cell turnover in the mouse testis**  
Toshiyuki Sato (National Institute for Basic Biology, Japan)
- P-40 Theory of viscoelasticity of chromatin and its surrounding environment**  
Soya Shinkai (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-41 ELEPHANT: an image analysis tool for 2D/3D cell tracking using incrementally trainable deep learning**  
Ko Sugawara (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-42 A feedback loop that drives cell death and proliferation and its defect in intestinal stem cells**  
Shivakshi Sulekh (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-43 Slowing Sepsis in Mice with a Hibernation-like State**  
Genshiro A. Sunagawa (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-44 Single-housing rearing during the juvenile stage causes fast growth but leads to longer lifespan in African turquoise killifish**  
Chika Takahashi (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-45 Live chromosome identifying-and-tracking reveals size-based spatial pathway of meiotic errors in oocytes**  
Osamu Takenouchi (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-46 BDR Research Automation Project and Core Laboratory**  
Nobuyuki Tanaka (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-47 Spatio-temporal dynamics and mechanical properties of YAP-regulated immune cell populations during the progression of precancerous lesions**  
Hirotaka Tao (Yamaguchi University Graduate School of Medicine, Japan)
- P-48 Selective Vulnerability of Parvocellular Oxytocin Neurons in Social Dysfunction**  
Masafumi Tsurutani (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-49 High intake of long-chain fatty acids during growth phase shortens adult lifespan via diminished function of histone acetyltransferase Gcn5**  
Tadashi Uemura (Kyoto University, Japan)

- P-50**     **A transition from uniformity to diversity in appearance and transcriptome during aging in *C. elegans***  
Masaharu Uno (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-51**     **Generating Kidney Organoids from Nephrotic Syndrome Patients-derived iPSCs**  
Yukari Usuda (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-52**     **Molecular analysis of CEP290 function in renal development**  
Udval Uuganbayar (Graduate School of Medical Sciences, Nagoya City University, Japan)
- P-53**     **Time-Dependent Proliferation of Ventral Foregut Primes Enhancer Landscape for Organ-Specific Differentiation**  
(S2-3)  
Yan Fung Wong (University of Copenhagen, Denmark)
- P-54**     **Same Clock Ticks Different Time: Molecular Insights into Temporal Scaling of Neurogenesis**  
(S1-3)  
Quan Wu (Graduate School of Medicine, Kyoto University, Japan)
- P-55**     **Spatial regulation of basement membrane turnover rate guides macro-scale organogenesis**  
Duligengaowa Wuerghezhen (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-56**     **Tbx6/Ripply mechanism as a dynamic to static converter in somite segmentation**  
(S3-3)  
Taijiro Yabe (National Institute for Basic Biology, Japan)
- P-57**     **An optogenetic tool to control spatial and temporal dynamics of the actin cytoskeleton**  
Kei Yamamoto (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-58**     **Micro-Nano Processing and Measurement Facility**  
Koki Yamamoto (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-59**     **Probing the rules of cell coordination in live tissues by interpretable machine learning based on graph neural networks**  
Takaki Yamamoto (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-60**     **Controlling Physical and Biochemical Parameters of Actin Nucleation Using a Patterned Model Lipid Membrane**  
Yosuke Yamazaki (RIKEN Center for Biosystems Dynamics Research, Japan)
- P-61**     **Analysis of compound structure and toxicity on drug discovery**  
Mayuko Yasuda (RIKEN Center for Biosystems Dynamics Research, Japan)

- P-62**      **Constructing a single-cell transcriptome atlas of the hair cycle to decipher tissue regeneration dynamics in human skin**  
Jun Yokota (POLA Chemical Industries, Inc., Japan)
- P-63**      **Maternal age-related uterine deficits impact early pregnancy in mice**  
Asmaa Youssef (Nagoya City University, Japan)