

Posters

- P01-A Effects of oleanolic acid 3-acetate in bone formation using a mouse periodontitis model**
Nirpesh Adhikari (Kyungpook National University, South Korea)
- P02-A ADAM19 restricts cardiac neural crest cells to a tenogenic fate by inhibiting chondrogenesis**
Hiroyuki Arai (Institute for Frontier Life and Medical Sciences, Kyoto University, Japan)
- P03-B Signaling regulation of Bax Inhibitor-1 in secretory stage of tooth development**
Yam Aryal (Kyungpook National University, South Korea)
- P04-B H3.3-specific histone chaperone Hira is required for mammalian cellular stress response**
Yoshifumi Asakura (Graduate School of Biostudies, Kyoto University, Japan)
- P05-A Identification of long range cell-cell connections and age-related changes in responsiveness to IGF in adult neural stem cells of the zebrafish**
Prisca Chapouton (Helmholtz Zentrum München, Germany)
- P06-A Follistatin-like 1 Improves Survival of Cardiomyoblasts from Septic Shock through Modulating AKT Signaling**
Wei-qian Chen (Soochow University, China)
- P07-B Analysis of mathematical models for blood cell production (*Hematopoiesis*) model using nonlinear ordinary differential equations with time delay**
Rifaldy Fajar (Yogyakarta State University, Indonesia)
- P08-B Enhanced waddington landscape model with cell-cell communication can explain molecular mechanisms of self-organization**
Hosein Fooladi and Parsa Moradi (Sharif University of Technology, Iran)

P09-A Synthetic recording and in situ readout of lineage information in single cells

Kirsten Frieda (California Institute of Technology, USA)

P10-A Selective mRNA translation mediated by phosphorylation of eIF2 α regulates stemness of muscle stem cells

Ryo Fujita (McGill University, Canada)

P11-B Transcriptional regulatory networks controlling the oocyte identity

Nobuhiko Hamazaki (Kyushu University, Japan)

P12-B Spermatogonial stem cell self-renewal requires telomerase through a catalytic-activity independent mechanism

Kazuteru Hasegawa (Stanford University, USA)

P13-A A novel nuclear factor plays a crucial role in initiation of mammalian meiosis

Kei-ichiro Ishiguro (Institute of Molecular Embryology and Genetics, Kumamoto University, Japan)

P14-A The role of epithelial barrier function in *Drosophila* intestinal homeostasis

Yasushi Izumi (National Institute for Physiological Sciences, Japan)

P15-B Focal localizations of inflammatory cytokines and neurotrophin in chronically injured tongue

Jae-Kwang Jung (School of Dentistry, Kyungpook National University, South Korea)

P16-B Nutrient-dependent increased dendritic arborization of somatosensory neurons in *Drosophila* larvae

Yasutetsu Kanaoka (Graduate School of Biostudies, Kyoto University, Japan)

P17-A Human pluripotent stem cells and their in vitro differentiated derivatives as the novel sources for human proteome project

Razieh Karamzadeh (Royan Institute for Stem cell Biology and Technology, Iran)

- P18-A Developmental robustness of *Drosophila* adult glial architecture**
Kentaro Kato (Kyorin University, Japan)
- P19-B Intravitreally injected anti-VEGF antibody reduces brown fat in neonatal mice**
Jeong Hun Kim (Seoul National University College of Medicine, South Korea)
- P20-B Intracellular A β via RAGE-mediated endocytosis contributes to breakdown of tight junction in aged retinal pigment epithelium**
Jin Hyoung Kim (Seoul National University Hospital, South Korea)
- P21-A Competition for facultative niche-derived mitogens instructs spermatogenic stem cell homeostasis**
Yu Kitadate (National Institute for Basic Biology, Japan)
- P22-A Epigenetic regulation affects fertility in *Drosophila*: toward the production of infertile models**
Hidetsugu Kohzaki (Shumei University, Japan)
- P23-B Lamin C regulates cytoskeletal remodeling at leading edges during *Drosophila* thorax closure**
Hina Kosakamoto (The University of Tokyo, Japan)
- P24-B Roles of a transcription factor 19A in the ossification of sternum**
Mao Kuriki (Institute for Frontier Life and Medical Sciences, Kyoto University, Japan)
- P25-A Neuroprotective properties of mushroom extracts on hydrogen peroxide-induced cell injury in PC12 cells**
Ker Liew (UCSI University, Malaysia)
- P26-A The extracellular matrix landscape at the region of epithelial-mesenchymal interaction in the mouse hair follicle**
Hiroki Machida (RIKEN Center for Developmental Biology, Japan)
- P27-B Notch signaling dynamics for the asymmetric cell fate determination in the mouse neurogenesis**
Shun Mase (RIKEN Center for Developmental Biology, Japan)

- P28-B Nutrient sensor in the reproductive organ regulates male fecundity in *Drosophila***
Mirai Matsuka (Graduate School of Natural Science and Technology, Okayama University, Japan)
- P29-A Origin and induction processes of hair follicle stem cells**
Ritsuko Morita (RIKEN Center for Developmental Biology, Japan)
- P30-A The diurnal transcriptome atlas of a primate**
Ludovic Mure (Salk Institute for Biological Studies, USA)
- P31-B The roles of *Jagged1* for hepatic progenitor cells in liver development and fibrotic liver regeneration**
Yasuhiro Nakano (Graduate School of Medicine, Tokai University, Japan)
- P32-B Collective cell migration in chick mesoderm formation**
Yukiko Nakaya (RIKEN Quantitative Biology Center, Japan)
- P33-A A phenotypic landscape of mechanisms underlying resistance to multiple stressors**
Hiroshi Nishida (RIKEN, Japan)
- P34-A Dietary control of stem cell division through S-adenosylmethionine in *Drosophila* intestine**
Fumiaki Obata (The University of Tokyo, Japan)
- P35-B Generation of bladder organoids from human iPS cells**
Kazuhiro Ofuji (RIKEN Center for Developmental Biology, Japan)
- P36-B Iterative relay of EGF-ERK signaling propagates the wave of myosin contractility to coordinate epithelial invagination**
Yosuke Ogura (RIKEN Center for Developmental Biology, Japan)
- P37-A Overexpression of *Hes1* leads to prolonged neocortical neurogenesis and expansion of neural stem cell reservoir in postnatal brain**
Toshiyuki Ohtsuka (Institute for Frontier Life and Medical Sciences, Kyoto University, Japan)

- P38-A Quantitative data analyses of coding and non-coding RNA in long-term dynamic processes such as development and aging**
Yulia Panina (RIKEN Quantitative Biology Center, Japan)
- P39-B Smchd1 regulates replication timing of the inactive X chromosome and influences autosomal subnuclear compartment organization**
Rawin Poonperm (RIKEN Center for Developmental Biology, Japan)
- P40-B Defects in progeroid Cockayne syndrome are recapitulated during normal cellular senescence**
Miria Ricchetti (Institut Pasteur, France)
- P41-A Defining the stem cell lineages in adult skin epidermis**
Aiko Sada (University of Tsukuba, Japan)
- P42-A Identification of maturation-related factors of the proximal tubule within kidney organoids generated from human pluripotent stem cells**
Yoshiki Sahara (RIKEN Center for Developmental Biology, Japan)
- P43-B High-throughput Data Analysis of the Developing Mouse Inner Ear Highlights Potential Mechanisms for *in vitro* Generation of Cochlear Hair Cells**
Elham Salehi Siavashani (Royan Institute for Stem Cell Biology and Technology, Iran)
- P44-B Expression pattern and developmental function of *Prickle2* in mice molar at cap stage**
Neupane Sanjiv (Kyungpook National University, South Korea)
- P45-A The polyol pathway is the principal sugar-sensing pathway for Mondo/ChREBP-mediated transcription**
Hiroko Sano (Institute of Life Science, Kurume University, Japan)
- P46-A Studies on skeletal muscle atrophy in space - what zebrafish experienced in a space tour**
Atsuko Sehara-Fujisawa (Institute for Frontier Life and Medical Sciences, Kyoto University, Japan)

- P47-B Perturbations in Inter-organ Communication Network (ICN) causes cancer induced Para-Neoplastic Syndromes (PNS) in the fruit fly, *Drosophila***
Reeta Singh (Indian Institute of Technology Kanpur, India)
- P48-B Active hypometabolism in inbred mice as a model of suppressed homeostasis of body temperature**
Genshiro Sunagawa (RIKEN Center for Developmental Biology, Japan)
- P49-A Predicting the 3D genome organization dynamics by single-cell DNA replication profiling during early mouse embryogenesis**
Saori Takahashi (RIKEN Center for Developmental Biology, Japan)
- P50-A Dynamics and spatial genomics of single cells by intron seqFISH**
Yodai Takei (California Institute of Technology, USA)
- P51-B The pro and cons of neuritin gene regulation in mediate neuropathological conditions**
Yong Hui Tan (University of Malaya, Malaysia)
- P52-B Mapping the ECM specific to the sites of inter-tissue interactions in the hair follicle**
Ko Tsutsui (RIKEN Center for Developmental Biology, Japan)
- P53-A Fin morphology regenerates independently of fin-ray identity in zebrafish**
Toshiaki Uemoto (Tohoku University, Japan)
- P54-A A predator (fly)-prey (yeast) interspecies genetic approach to understanding balanced diets for animal growth**
Tadashi Uemura (Kyoto University, Japan)
- P55-B FOXO-to-FOXO signaling from neuron to intestine regulates lifespan in *C. elegans***
Masaharu Uno (Kyoto University, Japan)

- P56-B Deciphering regulatory mechanisms of distinct responses to nutrient balances between generalist and specialist species**
Kaori Watanabe and Yukako Hattori (Kyoto University, Japan)
- P57-A Epithelial folding induced by polarity remodeling in 3D**
FuLai Wen (RIKEN Quantitative Biology Center, Japan)
- P58-A Dynamical renormalization group of sequence fine-tuning of amino acids in proteogenesis**
Masanori Yamanaka (Nihon University, Japan)
- P59-B Maintenance and injury-induced regeneration of joint tissues in zebrafish fins**
Tohru Yano (The Jikei University School of Medicine, Japan)
- P60-B ChILT- an Epigenomic Profiling for Single Cell Analysis**
Yasuyuki Ohkawa (Kyushu University, Japan)