February 23rd (Thu)

9:00 - 9:30 Registration

9:30 - 9:35 Opening Remarks

9:35 - 10:50 Short-Talk session 1

S-1 Amir Hay
The role of histone variant H3.3 in low-dose stress response in mammalian cells

S-2 Shama Bansod
Hes5 regulates the transition timing of neurogenesis and gliogenesis in neocortical development via downregulation of Hmga genes

S-3 Yukiko Inui
Genetic analysis of “cell turnover” that governs robust development in *Drosophila*

S-4 Mao Kuriki
Roles of a transcription factor 19A in the ossification of sternum

11:00 - 12:30 Short-Talk session 2

S-5 Diana Romero
Mechanism of mitotic telomere deprotection by BLM helicase

S-6 Takeshi Kamakura
Functional significance of mutant IDH in cartilage-forming tumors

S-7 Sayaka Dantsuji
Systematic analysis of hnRNP C domains in sorting RNA polymerase II transcripts

S-8 Jiancheng Chen
Cell surface exposure of phosphatidylserine is associated with not only apoptosis but also IFN-γ induced necroptosis

S-9 Tianhui Liu
Anc1 is involved in a low-dose stress response pathway in fission yeast

12:30 - 13:45 Lunch

13:45 - 15:00 Short-Talk session 3

S-10 Shunsuke Kawai
Disease-modeling and drug-screening of congenital bone disease using patient-derived iPSCs by rapid and robust induction method

S-11 Tetsu Hatsukano
Thyroid hormone regulates dendritic development by inducing master regulator of mitochondrial biogenesis PGC-1α in cerebellar Purkinje cells

S-12 Mai Tabuchi
Visualization of Neuregulin 1 ectodomain shedding in motor neurons in zebrafish

S-13 Richi Sakaguch
Super-multicolor Labeling and Automatic Reconstruction of Neuronal Circuits

15:10 - 16:40 Short-Talk session 4

S-14 Theventhiran Mahandaran
Mitochondria-mediated hormetic response: lifespan extension and heat stress tolerance in *Schizosaccharomyces pombe*

S-15 Akiko Kogure
Role of the MicroRNA Machinery in Fasting-Induced Gene Expression Changes and Longevity in *C. elegans*

S-16 Taka-aki Takeda
Zinc metallation manner in zinc-requiring ectoenzyme family, ENPPs, is regulated by the characteristic loop region involved in the determinant of their substrate specificity

S-17 Yumi Konagaya
A highly sensitive FRET biosensor for AMP-activated protein kinase reveals heterogeneous cellular responses in vitro and in vivo

S-18 Yuuki Takahashi
A prey (yeast)-predator (fly) interspecies genetic approach to understanding balanced diets for animal growth

16:40 - 17:05 Coffee Break

17:05 - 18:20 Short-Talk session 5

S-19 Yi-Chun Huang
Trade-off between plant growth and immunity: the role of cysteine rich receptor like kinase 18

S-20 Nobumasa Soda
Activation of MDA5 and TLR3 affects the differentiation of osteoclasts via IFN-β

S-21 Yee Kien Chong
Deciphering the role of Cyclin J in regulation of inflammation

S-22 Yuya Yoshioka
Neutrophils and the S100A9 protein critically regulate granuloma formation

18:30 - 19:30 Poster session (odd number)

19:30 - 20:30 Poster session (even number)

February 24th (Fri)

9:00 - 9:30 Registration

9:30 - 11:00 Long-Talk session 1

L-1 Koun Onodera
Firing rate fluctuations in primary sensory neurons enhance behavioral responses

L-2 Moritz Rövekamp
Marchantia MpRKD regulates the gametophyte-sporophyte transition by keeping egg cells quiescent in the absence of fertilization

L-3 Kelly Kawabata
Neuronal morphology development mediated by MTSS1 inhibition of DAAM1

11:10 - 13:10 Long-Talk session 2

L-4 Dacquin M. Kasumba
A plant-derived double-stranded RNA reconciles IFN-I and a caspase-1-dependent inflammatory event in antiviral immunity in the respiratory tract

L-5 Harrison Grace
Altered Neural Progenitor Cell Glycosylation and Development in Autism Patient Derived Neural Cultures

L-6 Shohei Kojima
A long non-coding RNA derived from an endogenous bornavirus-like element in human genome restricts exogenous bornavirus infection

L-7 Edward B. Chuong
Rewiring of immune regulatory networks by endogenous retroviruses

13:10 - 14:30 Lunch

14:30 - 16:00 Long-Talk session 3

L-8 Luuk Loeff
Repetitive DNA reeling by the Cas3 helicase for CRISPR memory formation

L-9 Koichiro Maki
Biomechanical characterization of α-catenin by single-molecule approaches using AFM and TIRFM

L-10 Andrew Osahor
Strategies to improve bacteria-mediated intracellular gene delivery to mammalian cells

16:00 - 16:30 Coffee Break

16:30 - 18:30 Long-Talk session 4

L-11 Takao Ito
Yorkie drives tumorigenesis by antagonizing Pointed/ETS-mediated cellular senescence in *Drosophila*

L-12 Alexandre Nore
Initiation of the meiotic recombination: Spo11 and its partners

L-13 Hatsuho Kanoh
Multiciliated cell basal bodies align by self-organized apical cytoskeleton：A live-cell imaging study

L-14 Silvia Alvarez-Diaz
MLKL and RIPK3 play distinct roles in autoimmune disease cause by loss of death-receptor-induced apoptosis