

Program

November 24th (Day1) Senri Life Science Center, Science Hall

13:00 Opening remarks (Asako Shindo)

Session 1 (Chair: Haruki Ochi)

13:10 **S1-1 Mikiko Tanaka** (Institute of Science Tokyo)
Oxygen and BMP signaling in the Regulation of Interdigital Cell Death in Tetrapod Limb Evolution

13:30 **S1-2 Yoshihiro Morishita** (RIKEN BDR)
The role of *hoxc12/c13* genes as regulators in rebooting the developmental program during *Xenopus* limb regeneration

13:50 **S1-3 Atsushi Suzuki** (Hiroshima University)
Molecular mechanisms that regulate the transition from early injury responses to cell proliferation in *Xenopus* tadpole tail regeneration

14:10 **S1-4 Shinhyeok Chae** (Ulsan National Institute of Science and Technology)
Roles of microglia subtypes during *Xenopus* spinal cord regeneration

14:30 **S1-5 Hyun-Kyung Lee** (Kyungpook National University)
Clasp1 associates with ciliary adhesion complex during ciliogenesis

14:50 Coffee break

Session 2 (Chair: Taejoon Kwon)

~~15:10 **S2-1 Hui Chen** (University of South Carolina) → CANCELED
Epigenetic Mechanisms for Spatiotemporal Patterning of Zygotic Genome Activation in Early Embryogenesis~~

15:10 **S2-2 Yuta Tanizaki** (The University of Tokyo)
Role of Thyroid Hormone in Erythropoiesis During Metamorphosis

15:30 **S2-3 Yuki Shibata** (Nippon Medical School)
Establishment of transgenic *Xenopus laevis* expressing eGFP in a *ror2* promoter-dependent manner by the new transgenesis strategy, *NEXTrans*

15:50 **S2-4 Hyo Jung Sim** (Ulsan National Institute of Science and Technology)
Studying R-loops in development and disease

16:10 Coffee break

Keynote Lecture 1 (Chair: Asako Shindo)

16:30 **Ken Cho** (University of California, Irvine)
Ectoderm specification revealed by genomic approaches

17:30 Move to Senri-Hankyu Hotel

19:00 Reception Dinner

November 25th (Day2) Nambu Yoichiro Hall, Osaka University

Session 3 (Chair: Soichiro Kato)

9:00 **S3-1 Hosung Jung** (Yonsei University College of Medicine)
Regulation of Neuroepithelial Cell Sheet Migration by Chemokine

9:20 **S3-2 Yusuke Mii** (Kyoto University)
Wnt11 induces PCP by mutual interaction with core PCP components

9:40 **S3-3 Ichiro Taniguchi** (Osaka University)
Microinjection of *Xenopus laevis* Oocytes to Elucidate RNA Export Mechanisms

10:10 **S3-4 Hyeyoon Lee** ([Deutsches Krebsforschungszentrum \(DKFZ\)](#))
Riding the ciliary wave: R-Spondin 2 as the Left-Right symmetry breaking morphogen in *Xenopus*

10:30 Coffee break

Session 4 (Friends of Xenopus; Chair: Tae Joo Park)

10:50 **S4-1 Hye Ji Cha** (Dankook University)
Nuclear structure and chromatin dynamics in transcription and cell differentiation

11:10 **S4-2 Jun-Yeong Lee** (Kyungpook National University)
Conservation of CpG islands-mediated dual-mode gene regulation across multicellular eukaryotes

11:30 **S4-3 Akane Kawaguchi** (Research Institute of Molecular Pathology (IMP), Vienna BioCenter (VBC), National Institute of Genetics)
Unveiling the Epigenetic Landscape of Salamander Regeneration

11:50 **S4-4 Linda Choubani** ([Kobe University](#), [RIKEN BDR](#))
Unveiling a Novel Chromatin Organization Process Linked to S-phase in Mouse Embryonic Stem Cells

12:10 Moving to Luncheon seminar

12:20 **Luncheon Seminar - Steven D. Aird**
How to Write a Scientific Paper... and How Not to

13:20 Moving back to Nambu Yoichiro Hall

13:30 **Poster Session**

Session 5 (Chair: Yuuri Yasuoka)

- 15:30 **S5-1 Masanori Taira** (Chuo University)
Mechanism of heterochronic sphincter formation in the stomach during *Xenopus* metamorphosis
- 15:50 **S5-2 Hongchan Lee** (Kyungpook National University)
Non-canonical function of cathepsin K in *Xenopus* development
- 16:10 **S5-3 Seongmin Yun** (Ulsan National Institute of Science and Technology)
Development of neurofibromatosis model in *Xenopus*
- 16:30 **S5-4 Ha Eun Kim** (Ulsan National Institute of Science and Technology)
Evolutionary diversification of RFX family genes as master regulators of ciliogenesis
- 16:50 **S5-5 Minako Suzuki** (Kyoto University, NIBB)
Heparan sulfate proteoglycans are dynamically involved in the regulation of PCP
- 17:10 Coffee break
- 17:30 **Keynote Lecture 2 (Chair: Tae Joo Park)**
John Wallingford (University of Texas at Austin)
Twenty-Five Years of Planar Cell Polarity and Convergent Extension
- 18:30 Dinner by own

November 26th (Day 3) Nambu Yoichiro Hall, Osaka University

Session 6 (Chair: Yusuke Mii)

- 9:00 **S6-1 Tae Joo Park** (Ulsan National Institute of Science and Technology)
Cilia and Cancer/Ossification of Spinal Ligament
- 9:20 **S6-2 Tatsuo Michiue** (The University of Tokyo)
Involvement of physical force in neural crest formation in *Xenopus* embryo
- 9:40 **S6-3 Soichiro Kato** (Osaka University)
Organ morphogenesis under rapid oscillatory mechanical stress induced by intermittent swimming movements
- 10:00 **S6-4 Yuuri Yasuoka** (RIKEN IMS)
Inferring evolution of keratan sulfate biosynthetic processes in vertebrate embryos

10:20 **S6-5 Asako Shindo** (Osaka University)
 Uncovering cellular mechanisms of morphogenesis through environmental-
 organ interactions

10:40 Coffee break

Session 7 (Resource; Chair: Asako Shindo)

11:00 **S7-1 Kee-Beom Kim** (Kyungpook National University)
 Study of Climate Change Adaptation Based on Evolutional Ecology

11:20 **S7-2 Hajime Ogino** (Hiroshima University)
 The National BioResource Project (NBRP) and the use of *Xenopus tropicalis*
 for disease modeling

11:40 **S7-3 Taejoon Kwon** (Ulsan National Institute of Science and Technology)
 Xenbase update: comprehensive and integrated genome annotation of
 Xenopus tropicalis

12:00 **Closing Remark (Taejoon Kwon)**

QR code for post-doc/student award

