

Wednesday August 29

9:00	Registration - assemble at the main gate of NAIST	
9:30	Depart to Awaji by charter buses	
12:00	Arrive Awaji	
12:00-13:00	Lunch	B1F Event Hall
13:00-13:15	Opening Address Takashi Hashimoto (Professor) Introduction of guests Hisaji Maki (Professor, International Committee)	2F Main Hall
13:15-14:35	Concurrent Session 1 (80 min.) 15+5 min./person	

Chair : **Tomoko Kiriara** (D2, Shiosaka Lab), 2F Main Hall
Yong Han Tek (D2, Mori Lab)

- O-01 (P-14A) **Kenta Takami** (D2, Itoh Lab)
Ric-8 regulates *Drosophila* gastrulation through G $\alpha_{12/13}$ signaling and myosin II localization
- O-02 (P-30A) **Tomomi Kotoku** (D2, Kawaichi Lab)
Analysis of the BTB-zinc finger protein CIBZ in embryonic stem cell differentiation
- O-03 (P-44A) **Wataru Nomura** (D2, Mori Lab)
Construction and systematic analysis of comprehensive small RNA deletion libraries in *E. coli*.
- O-04 (P-35A) **Kenji Manabe** (D2, Maki Lab)
High production of industrial enzymes using *Bacillus subtilis* reduced-genome strain.

Chair : **Yasuhide Nitanda** (D2, Bessho Lab), 1F Amphitheater
Tatsuro Matsuta (D2, Bessho Lab)

- O-05 (P-34A) **Akane Kawaguchi** (D2, Bessho Lab)
The H3K27 demethylase, JMJD3, is essential for *Xenopus* eye development
- O-06 (P-15A) **Taito Matsuda** (D2, Nakashima Lab)
TLR9-mediated regulation of neurogenesis in the adult mouse hippocampus
- O-07 (P-16A) **Yuniarti Nunung** (D2, Nakashima Lab)
Antenatal exposure to an HDAC inhibitor SAHA promotes neurogenesis but disturbs corticogenesis in the developing brain
- O-08 (P-18A) **Chai Muh Chyi** (D2, Nakashima Lab)
Identification of HDAC-mediated mechanisms for neurogenesis during cortical development

14:35-14:55 Break (20 min.)

14:55-16:15 **Concurrent Session 2** (80 min.) 15+5 min./person

Chair : **Ryo Yonehara** (D2, Tasaka Lab), 2F Main Hall
Po-Yu Chen (D2, Umeda Lab)

- O-09 (P-01A) **Kanae Ito** (D2, Takayama Lab)
Analysis of self-incompatibility signaling pathway in the Brassicaceae
- O-10 (P-10A) **Mai Tsukahara** (D2, Takayama Lab)
Molecular mechanism for S-RNase-based self-incompatibility in *Petunia*
- O-11 (P-12A) **Asami Tsuru** (D2, Takayama Lab)
Studies on epigenetic regulations in plant reproductive cells
- O-12 (P-11A) **Dang Thu Thi** (D2, Shimamoto Lab)
Characterization of Constitutively Active OsRac1 (CA-gOsRac1) transgenic rice plants generated by gene targeting.

Chair : **Nguyen Sy Le Thanh** (D2, Kohno Lab), 1F Amphitheater
Hasan Md. Zobaer (D2, Kawaichi Lab)

- O-13 (P-47A) **Indah Wijayanti** (D2, Takagi Lab)
Engineering of the yeast ubiquitin ligase Rsp5 for improvement of the enzymatic functions
- O-14 (P-46A) **Takanori Yano** (D2, Takagi Lab)
Biochemical analysis of CO₂ fixation reactions in the extremely oligotrophic bacterium, *Rhodococcus erythropolis* N9T-4
- O-15 (P-38A) **Takeshi Nakatani** (D2, Takagi Lab)
Thiosulfate-selective utilization for L-cysteine biosynthesis in *Escherichia coli*
- O-16 (P-19A) **Bai Jie** (D2, Kawaichi Lab)
Random insertional mutagenesis of transcriptionally silent genes in mouse embryonic stem cells

16:15-16:40 Break and Check-in (25 min.)

16:40-17:00 **Poster Preview I** 90 sec. each × 11 people 2F Main Hall

17:00-19:00 Break and Dinner (120 min.)

19:00-21:20 **Poster Session A** (140 min.) 2F Reception Hall B

21:20-22:20 **Mixer** (60 min.) 2F Reception Hall B

Thursday August 30

07:00-09:00 Breakfast Hotel 2F "COCCOLARE"

09:00-10:20 **Concurrent Session 3** (80 min.) 15+5 min./person

Chair : **Hiroko Katsuno** (D2, Inagaki Lab), 2F Main Hall
Tomomi Kotoku (D2, Kawaichi Lab)

- O-17 (P-27B) **Tomoko Kirihara** (D2, Shiosaka Lab)
 PP2, a src-family tyrosine kinase inhibitor, lowered intraocular pressure via different mode of action from Rock inhibitor.
- O-18 (P-15B) **Nguyen Sy Le Thanh** (D2, Kohno Lab)
 Direct regulation of a zinc-ion transporter Zrg17 by Ire1 under ER stress condition
- O-19 (P-30B) **Hiromi Fujioka** (D2, Emoto Lab)
 DCLK1 phosphorylates the microtubule-binding protein MAP7D1 to promotes axon elongation.
- O-20 (P-17B) **Hasan Md. Zobaer** (D2, Kawaichi Lab)
 Roles of HtrA1 and HtrA3 in the development of mouse placenta

Chair : **Hitoshi Endo** (D2, Demura Lab), 1F Amphitheater
Dang Thu Thi (D2, Shimamoto Lab)

- O-21 (P-01B) **Norihito Sakamoto** (D2, Tasaka Lab)
MAB4 family genes regulate various auxin-dependent processes through the control of PIN localization.
- O-22 (P-07B) **Ryo Yonehara** (D2, Tasaka Lab)
MAB2/AtMED13 is a novel factor involved in bract suppression in *Arabidopsis thaliana*
- O-23 (P-11B) **Po-Yu Chen** (D2, Umeda Lab)
 Functional analysis of R1R2R3-Myb proteins in genotoxic stress
- O-24 (P-10B) **Teoh Seddon** (D2, Hashimoto Lab)
 Reconstitution of putative nicotine biosynthesis enzymes in yeast

10:20-10:30 Break (10 min.)

10:30-10:50 **Report of UCD Program** (20 min.) 2F Main Hall

10:50-11:00 Break (10 min.)

11:00-12:20 **Concurrent Session 4** (80 min.) 15+5 min./person

Chair : **Tomoyuki Hatano** (D2, Shiozaki Lab), 2F Main Hall
Akane Kawaguchi (D2, Bessho Lab)

- O-25 (P-37B) **Yuichi Hayashi** (D2, Sato Lab)
 Unveiling a stochastic basis of human disease
- O-26 (P-34B) **Motoaki Murakoshi** (D2, Sato Lab)
 Metabolic reprogramming in fibroblast serves as a novel therapeutic target for myocardial infarction
- O-27 (P-36B) **Tatsuro Matsuta** (D2, Bessho Lab)
 Cell clustering required for proper organogenesis
- O-28 (P-49B) **Yoichi Sato** (D2, Sato Lab)
 Synthetic approach to cell biology: Searching for the essential physical parameters for controlling the cell division

Chair : **Taito Matsuda** (D2, Nakashima Lab), 1F Amphitheater
Kiyotaka Ueda (D2, Demura Lab)

- O-29 (P-43B) **Shoichiro Tsuge** (D2, Bessho Lab)
 Quantitative analysis of PSM cell migration during somite boundary formation
- O-30 (P-35B) **Yasuhide Nitanda** (D2, Bessho Lab)
 Robust mechanism in mouse somite genesis.
- O-31 (P-05B) **Takunari Kono** (D2, Yokota Lab)
 Analysis of the Pre-Calvin cycle in methanogenic archaeon *Methanospirillum hungatei*.
- O-32 (P-09B) **Naoya Nakamura** (D2, Yokota Lab)
 Promotion of cyclic electron transport around photosystem I during the evolution of NADP-malic enzyme type C₄ photosynthesis in the genus *Flaveria*

12:20-13:10 Lunch (50 min.) B1F Event Hall

13:10-14:10 **Lecture to D1 and M2 students** (60 min.) 1F Amphitheater

Ian Smith (Professor, Graduate School of Biological Sciences, NAIST)

Masako Shinjoh (Visiting Professor, Graduate School of Biological Sciences, NAIST)

Yuji Kitagawa (Visiting Professor, Graduate School of Biological Sciences, NAIST)

14:10-14:30 Break (20 min.)

14:30-15:30 **Concurrent Session 5** (60 min.) 15+5 min./person

Chair : **Yoichi Sato** (D2, Sato Lab), 2F Main Hall
Indah Wijayanti (D2, Takagi Lab)

O-33 (P-18B) **Hiroko Katsuno** (D2, Inagaki Lab)
 Slow axonal transport driven by directional actin polymerization

O-34 (P-33B) **Tomoyuki Hatano** (D2, Shiozaki Lab)
 Molecular organization of insulin responsive protein complex, TORC2

O-35 (P-40B) **Yong Han Tek** (D2, Mori Lab)
 Establishment of genetic interaction involving essential genes in E.coli K-12

Chair : **Mai Tsukahara** (D2, Takayama Lab), 1F Amphitheater
Shoichiro Tsuge (D2, Bessho Lab)

O-36 (P-12B) **Kiyotaka Ueda** (D2, Demura Lab)
 Translational regulation in response to abiotic stress

O-37 (P-13B) **Hitoshi Endo** (D2, Demura Lab)
 Elucidation of expression mechanism of master gene for xylem vessel formation

O-38 (P-38B) **Shigeki Kitagami** (D2, Bessho Lab)
 New mechanism for somite formation by posttranscriptional regulation

15:30-15:50 Break (20 min.)

15:50-16:10 **Poster Preview II** 90 sec. each × 11 people 2F Main Hall

16:10-19:00 Break and Dinner (170 min.)

19:00-21:20 **Poster Session B** (140 min.) 2F Reception Hall B

21:20-23:00 **Mixer** (100 min.) 2F Reception Hall B

Friday August 31

07:00-10:00 Breakfast Hotel 2F "COCCOLARE"
 Check-out (to 09:45)

10:00-10:30 **Umesono Prize Ceremony & Lecture** (30 min.) 2F Main Hall

Chair : **Hiroshi Itoh** (Vice Dean, Professor)

O-39 **Umesono Prize Ceremony
 Winning Commemoration Lecture**

10:30-10:40 Group Photograph (10 min.)

10:40-10:50 Break (10 min.)

10:50-11:40 **Special Talks** (50 min.) 20+5 min./person 2F Main Hall

Chair : **Yukio Kimata** (Associate Professor, Kohno Lab)

O-40 **Arata Yoneda** (Assistant Professor, Demura Lab)
 Chemical genetics identified a novel inhibitor cobtorin that highlights a functional interaction between pectin and cellulose microfibrils

O-41 **Sayako Katada** (Assistant Professor, Nakashima Lab)
 Impact of oxygen levels on fate switching of neural stem cells during corticogenesis

11:40-11:50 Break (10 min.)

11:50-12:10 **Review** 2F Main Hall

Toshimichi Ikemura (Dean, Professor, Nagahama Institute of Bio-Science and Technology)

Shigeru Shigeoka (Professor, Faculty of Agriculture, Kinki University)

Ian Smith (Professor, Graduate School of Biological Sciences, NAIST)

12:10-12:20 **Closing Address**
Akiho Yokota (Dean, Professor, Graduate School of Biological Sciences, NAIST)

12:20-13:00 Lunch (40 min.) B1F Event Hall

13:15 **Depart to NAIST by charter buses**