

## Wednesday August 26

- 09:45      **Registration**
- 10:00-10:10      **Opening address/ Introduction of guests**      1F Main Hall  
**Naoyuki Inagaki** (Professor, International Education Committee)
- 10:10-11:10      **Oral Session 1**    15 + 5 min./person
- Chair : **Takato Matsuda**      1F Main Hall  
**Yuki Yoshikawa**

O-01 (P-59 ①) **Sohei Yamada**  
Mechanical property of epithelial cells affects speed of wound healing mammalian cells.

O-02 (P-68 ①) **Takayuki Kuge**  
L-Arabinose-responsive transcriptional regulatory mechanism in *Corynebacterium glutamicum*

O-03 (P-45 ①) **Akaraphol Watcharawipas**  
Molecular mechanism of sodium acetate tolerance caused by the Thr255Ala mutation in the yeast ubiquitin ligase Rsp5p
- 11:10-11:20      Group Photograph
- 11:20-11:30      Break
- 11:30-12:10      **Oral Session 2**    15 + 5 min./person
- Chair : **Takuro Kono**      1F Main Hall  
**Le Thi Thanh**

O-04 (P-65 ①) **Wong Kah Loon**  
Characterization of Erk signaling pathway during zebrafish embryonic development plants

O-05 (P-61 ①) **Akari Karaiwa**  
Cell shape change of slow muscle progenitors
- 12:10-13:10      Lunch      1F Restaurant Sakishima

13:10-14:10 **Oral Session 3** 15 + 5 min./person

Chair : **Chonprakun Thagun**  
**Hitomi Sato**

1F Main Hall

O-06 (P-07 ①) **Eri Kamon**

Disturbance of cortical microtubule orientation by sulfamethizole leads to abnormal secondary cell wall patterning during xylem vessel cell differentiation

O-07 (P-09 ①) **Masahiro Noguchi**

Proteomic approach for understanding vessel element differentiation

O-08 (P-39 ①) **Shohei Nunose**

Effects of nutrient on cellular ROS level and oxidative DNA damage in Escherichia coli. amino acid transporters

14:10-14:30 Break

14:30-15:30 **Oral Session 4** 15 + 5 min./person

Chair : **Karthikeyan Mayandi**  
**Takayuki Koimori**

1F Main Hall

O-09 (P-37 ①) **Le Thi Lan Anh**

DNA non-damaging environmental factors affect genetic instability in Escherichia coli

O-10 (P-47 ①) **Yuki Yoshikawa**

Regulatory mechanism of the flavoprotein Tah18-dependent NO synthesis in yeast

O-11 (P-46 ②) **Kazuma Sera**

Activation mechanism of the TOR kinase complex by G protein of Rab family

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

15:50-16:50 **Oral Session 5** 15 + 5 min./person

Chair : <b>Kentaro Baba</b> <b>Takayuki Kuge</b>	1F Main Hall
O-12 (P-50 ②) <b>Takato Matsuda</b> Novel regulatory mechanism of TORC1 activity via GATOR1-Gtr1/Gtr2 pathway in fission yeast	
O-13 (P-60 ②) <b>Takuro Kono</b> In vivo function of singar which rgulates polarity of cultured hippocampal neurons	
O-14 (P-20 ②) <b>Satoshi Kanda</b> A novel role of SRP pathway on XBP1u localization and ER homeostasis. grown under hypoxia condition	

16:50-17:10 Break

17:10-18:10 **Poster Preview** 90 sec. each × 34 people 1F Main Hall

18:10-19:30 Dinner & Check-in 1F Restaurant Sakishima

19:30-21:10 **Poster Session 1** 2F Poster Hall

21:10-23:00 **Mixer** 2F Poster Hall

## Thursday August 27

07:00-09:00 Breakfast 1F Restaurant Sakishima

09:00-10:00 **Oral Session 6** 15 + 5 min./person

Chair : **Wong Kah Loon** 1F Main Hall  
**Akari Karaiwa**

O-15 (P-02 ②) **Chonprakun Thagun**  
Regulation of steroidal glycoalkaloid biosynthesis in  
Tomato

O-16 (P-08 ②) **Karthikeyan Mayandi**  
Regulation of SOG1 protein stability in DNA damage  
response

O-17 (P-12 ②) **Takayuki Koimori**  
Analysis of molecular mechanisms for G  $\alpha$  s  
ubiquitination

10:00-10:20 Break

10:20-11:20 **Oral Session 7** 15 + 5 min./person

Chair : **Satoshi Kanda** 1F Main Hall  
**Le Thi Lan Anh**

O-18 (P-36 ②) **Le Thi Thanh**  
Molecular mechanisms of cruciform extrusion at long  
inverted repeats during DNA replication.

O-19 (P-22 ②) **Hitomi Sato**  
The analysis of the function of IRE1  $\alpha$  in insulin  
production by pancreatic  $\beta$  cells.

O-20 (P-62 ②) **Kenatro Baba**  
Shootin1-L1 interaction as a possible clutch interface  
for signal-force transduction in axon outgrowth in  
*Arabidopsis thaliana*

11:20-11:40 Break

11:40-12:20 **Oral Session 8** 15 + 5 min./person

Chair : **Kazuma Sera** 1F Main Hall  
**Akaraphol Watcharawipas**

O-21 (P-40 ①) **YANG XI**  
An RNA-guided platform for the genetic interaction  
analysis involving essential genes in E. coli K-12

O-22 (P-28 ①) **Hidenobu Segawa**  
HLA typing using next generation sequencing

12:20-13:20 Lunch

13:20-15:00 **Poster Session 2** 2F Poster Hall

15:00-15:20 Break

15:20-15:50 **Special Talk**

Chair : **Yusuke Saijo** (Associate Professor) 1F Main Hall

**Nobutoshi Yamaguchi** (Assistant Professor)  
An auxin-regulated chromatin state switch activates four key target  
genes and directs flower formation in Arabidopsis

15:50-16:20 **Umesono Prize Ceremony & Lecture**

Chair : **Takashi Hashimoto** (Vice Dean, Professor) 1F Main Hall

**Umesono Prize Ceremony**  
**Winning Commemoration Lecture**

16:20-16:40 **Review**

1F Main Hall  
**Hidehito Mukai** (Associate Professor, Nagahama Institute of Bio-Science  
and Technology )  
**Satoko Maki** (Assistant Professor, International Education  
Committee)  
**Paul McAleese** (Lecturer, International Education Committee)

16:40-16:50 **Closing address**  
**Masaaki Umeda** ( Professor, Education Committee)