



NAIST GCOE
International Student Workshop 2011
Program

Presentation: Talk, 15 minutes; Discussion, 5 minutes

Place: I&I Hall, I&I Land, Osaka

Organizers: Ian Smith, Satoko Maki

Sponsor: NAIST Global COE program, Global Initiatives Program

IGDB: Institute of Genetics and Developmental Biology, Chinese Academy of Sciences

UCD: College of Biological Sciences, University of California, Davis

NAIST: Graduate School of Biological Sciences, Nara Institute of Science and Technology

November 3 (Thursday)

17:30	Check-in
18:00	Meeting — Self-introductions
19:00	Dinner

November 4 (Friday)

07:30~	Breakfast
08:30	Opening remarks: Akiho Yokota (Dean, Graduate School of Biological Sciences, NAIST) Shigeyuki Ohta (Doctoral student, NAIST)

Session 1 Chairpersons: **Kristina Bezold** (UCD), **Yuji Atsuta** (NAIST)

09:00	(01) Yusuke Kubo (NAIST) Cortactin functions as a clutch molecule in the growth cone
09:20	(02) Takanori Maeno (NAIST) Mechanisms for the axon-specific accumulation of an axonal protein JIP1
09:40	(03) Andrew Hamilton (UCD) Activity-dependent growth of new dendritic spines is acutely regulated by the proteasome
10:00	(04) Yanyun Shi (IGDB) OsNMD3, a protein involved in exporting 60S ribosomal subunit, is critical for rice plant growth

- 10:20 Coffee break
10:40 Administrative matters (Main Hall)

Session 2 Chairpersons: **Xuening Wei** (IGDB), **Laddawan Saelim** (NAIST)

- 11:00 **(05) Yoshito Ogawa** (NAIST)
Phosphorylation of VASCULAR-RELATED NAC-DOMAIN7, the master regulator for xylem vessel differentiation
- 11:20 **(06) Harunori Kawabe** (NAIST)
Analysis of regulatory network of master gene VND7 for xylem vessel formation
- 11:40 **(07) Ciera Martinez** (UCD)
Exploring the forgotten axis of leaf development
- 12:00 **(08) Ryan Kirkbride** (UCD)
Endosperm specialization revealed through transcript profiling of *Arabidopsis* seed development
- 12:20 **(09) Motoko Igarashi** (NAIST)
Searching for genes involved in cross- and self-pollination in the Brassicaceae
- 12:40 Group photographs and lunch

Session 3 Chairpersons: **Ting Xu** (IGDB), **Yuta Otsuka** (NAIST)

- 14:00 **(10) Laddawan Saelim** (NAIST)
Functional analysis of AP2/EREBP transcription factors involved in cell wall formation
- 14:20 **(11) Bo Xu** (NAIST)
Analysis of VNS family transcription factors in *Physcomitrella patens*
- 14:40 **(12) Shuyuan Chen** (IGDB)
Use of the CoYMV promoter for vascular-specific expression of Bt toxin in transgenic rice conferred resistance to brown planthopper (*Nilaparvata lugens*)
- 15:00 **(13) Xuening Wei** (IGDB)
Molecular analysis of *Taspx-mfs* genes reveals race-specific participation in high-temperature induced resistance to strip rust in Xiaoyan54
- 15:20 **(14) Satoshi Oshiro** (NAIST)
Functional analysis of the yeast transcription factor Pog1 on ion stress
- 15:40 Coffee break

Session 4 Chairpersons: **Chen Huan** (IGDB), **Satoshi Oshiro** (NAIST)

- 16:20 **(15) Yuta Otsuka** (NAIST)
Functional profiling of the *E. coli* cell during stationary phase
- 16:40 **(16) Masashi Murao** (NAIST)
Suppression of sequence substitution mutations by exonucleases in *E. coli*
- 17:00 **(17) Minh Tuan Pham** (NAIST)
Development of an experimental system to investigate speed of individual replication fork in *Escherichia coli*
- 17:20 **(18) Kate Lawrence** (UCD)
Spindle assembly checkpoint plays a role in DNA-damage-induced cell cycle arrest in *C. elegans* male germ line
- 17:40 **(19) Daniel Chu** (UCD)
The role of Nup2 during meiotic prophase of budding yeast
- 18:00 Guidance for cultural visits on November 6
- 18:40 Welcome party

November 5 (Saturday)

- 07:30~ Breakfast

Session 5 Chairpersons: **Yanyun Shi** (IGDB), **Ryo Nasuno** (NAIST)

- 09:00 **(20) Kristina Bezold** (UCD)
The Troponin I homology region of cardiac myosin binding protein-C contributes to contractile effects in permeabilized myocytes
- 09:20 **(21) Fangwei Yang** (NAIST)
The role of Pcolce1 in cardiac fibrosis associated with myocardial infarction
- 09:40 **(22) Masako Kamiya** (NAIST)
A novel role of a Wnt antagonist, sFRP2, in blood glucose homeostasis
- 10:00 **(23) Thi Mai Hoa Bach** (NAIST)
Microbial production of *N*-acetyl *cis*-4-hydroxy-L-proline
- 10:20 Coffee break

Session 6 Chairpersons: **Andrew Murley** (UCD), **Fumi Okuyama** (NAIST)

- 11:00 **(24) Zhaojun Qiu** (IGDB)
Studies on the genetic-environmental interactions revealed that the cholesterol biosynthesis was significantly decreased in spinal cord of NTD affected fetuses

- 11:20 **(25) Daniel Dranow** (UCD)
Ovary regeneration and germline stem cell lineage tracing in the adult female zebrafish, *Danio rerio*
- 11:40 **(26) Eugenel Espiritu** (UCD)
PAR proteins regulate the localization of LET-99 during asymmetric division
- 12:00 **(27) Takeshi Fujimuro** (NAIST)
Importance of delay time for the somite segmentation clock
- 12:20 **(28) Yuji Atsuta** (NAIST)
Tubulogenesis using Wolffian duct as a model: FGF signals regulate tubule elongation and cell epithelialization as environmental factors

12:40 Lunch

Session 7 Chairpersons: **Kate Lawrence** (UCD), **Fangwei Yang** (NAIST)

- 14:00 **(29) Riris Istighfari Jenie** (NAIST)
Involvement of Ric-8B and Gαq in regulation mechanism of Gs signaling
- 14:20 **(30) Chen Bu** (IGDB)
Mechanism of the LPA-induced Erk activation
- 14:40 **(31) Shigeyuki Ohta** (NAIST)
The activation mechanism of orphan G protein-coupled receptor 56
- 15:00 **(32) Tu Anh Huynh** (UCD)
Signaling control by the nitrate-sensor NarX in *Escherichia coli*
- 15:20 **(33) Ikuhisa Nishida** (NAIST)
Isolation and functional analysis of novel intracellular proline transporters in *Saccharomyces cerevisiae*
- 15:40 Coffee break

Session 8 Chairpersons: **Yanzhe Wang** (IGDB), **Harunori Kawabe** (NAIST)

- 16:20 **(34) Ryo Nasuno** (NAIST)
Structural and functional analysis of the yeast *N*-acetyltransferase Mpr1 involved in oxidative stress tolerance
- 16:40 **(35) Andrew Murley** (UCD)
The role of endoplasmic reticulum-mitochondrial contact sites in mitochondrial division
- 17:00 **(36) Yuichi Tsuchiya** (NAIST)
Roles of the unfolded protein response pathways in pancreatic β cells
- 17:20 **(37) Bin Hu** (IGDB)
LEAF TIP NECROSIS1 plays a pivotal role in the regulation of multiple phosphate starvation responses in rice

17:40 **(38) Baoyuan Qu** (IGDB)
Functional characterization of nuclear factor Y responding to nutrient starvation in wheat

18:15 Dinner

Session 9 Chairpersons: **Ciera Martinez** (UCD), **Bo Xu** (NAIST)

19:40 **(39) Yanzhe Wang** (IGDB)
Changes in evapotranspiration over irrigated winter wheat and maize in North China Plain over three decades

20:00 **(40) Ting Xu** (IGDB)
Molecular cloning of *Dong Gua1*, a pleiotropic gene controlling plant height, tiller number and grain size in rice

20:20 **(41) Fumi Okuyama** (NAIST)
Neural basis for subjective contours in mouse early visual cortex

20:40 **(42) Chen Huan** (IGDB)
Tracing the genetic history of the Chinese in Early Shang Dynasty: mitochondrial DNA analysis of human remains excavated from the Yanshi Site

21:00 Closing remarks

November 6 (Sunday)

07:00~ Breakfast
08:00 Check-out and departure to NAIST
08:30 Arrival at NAIST
09:00 Departure for cultural visits to Nara, Kyoto or Osaka

November 7 (Monday)

14:15 Departure to New Public Hall by bus
15:00 Arrival at New Public Hall
16:00 **Symposium** starts
 Opening, **Key lectures**
18:00 **Reception**
20:15 Departure to NAIST

November 8 (Tuesday)

08:45	Departure to New Public Hall by bus
09:45	Arrival at New Public Hall
10:00	Session 1 (Microbiology), Session 2 (Plant Biology)
12:20	Lunch (Lunch box) Posters should be put up
14:00	Session 3 (Biomedicine), Session 4 (Plant Biology)
17:15	Departure to NAIST
18:00	Arrival at NAIST

November 9 (Wednesday)

08:45	Departure to New Public Hall by bus
09:45	Arrival at New Public Hall
10:00	Session 5 (Neurobiology)
11:20	Lunch (Lunch box)
13:00	Poster Session I Presentations with an odd number
14:00	Poster Session II Presentations with an even number
15:00	Posters should be taken down
15:20	Session 6 (Plant Biology), Close
17:15	Departure to NAIST
18:00	Arrival at NAIST

November 10 (Thursday)

09:15	Departure to KIX by bus via Hotel Nikko Nara (where several faculty members will board)
11:30	Arrival at KIX
12:55	Departure to San Francisco
13:50	Departure to Beijing