

## NAIST BIO INTERNATIONAL STUDENT WORKSHOP 2013 PROGRAM

### November 11 (Monday)

15:45 CAS group arrives Kansai Airport (KIX)

16:25 UCD group arrives KIX

17:15 Travel to I&I Land by chartered bus from KIX

19:30 Check-in

20:00 - 21:00 Dinner

After dinner: Preparation for the lecture and sessions

### November 12 (Tuesday)

07:30 - 08:30 Breakfast

09:00 - 09:20 Opening remarks

Main Hall

09:20 - 09:40 Overview of program

09:40 - 10:10 Clerical procedures

10:10 - 10:50 Ice-breaking activity

10:50 - 11:00 Break

11:00 - 12:00 Special lecture

**Dr. Robert Fuchs** (CNRS)

Crosstalk between Translesion Synthesis and Damage Avoidance: Who comes first?

12:00 - 12:15 Group photos

12:15 - 13:00 Lunch

13:00 - 15:10 Sessions I

#### Group 1

#### Room 1

##### Discussion leaders:

Daniel Cortes, Rochelle Coulson

13:00 - 13:30 (G1-01) **Damion Whitfield** (UCD)

The developmental control of replication in *Myxococcus Xanthus*

13:30 - 14:00 (G1-02) **Hang Phuong Le** (NAIST)

A sequence flanking CAG/CTG trinucleotide repeats in the gene responsible for Huntington's disease has a potential for blocking DNA polymerases and may cause the replication fork arrest

Break

14:10 - 14:40 (G1-03) **Chew Theng Lim** (NAIST)

Biochemical analysis of *Escherichia coli* SbcCD that promotes genetic instability at long-inverted repeats

14:40 - 15:10 (G1-04) **John A. Smolka** (UCD)

R-Loop-Interacting Proteins

Group 2	Room 2
<b>Discussion leaders:</b>	
Jason A. Corwin, Nobuo Ogita	
13:00 - 13:30 (G2-01)	<b>Tian Xia</b> (CAS) The ubiquitin receptor DA1 interacts genetically and physically with the E3 ubiquitin ligase DA2 to control seed and organ size in <i>Arabidopsis thaliana</i>
13:30 - 14:00 (G2-02)	<b>Chin-Jit Teo</b> (NAIST) Analysis of florigen function in potato tuberization
Break	
14:10 - 14:40 (G2-03)	<b>Miho Suzuki</b> (NAIST) Functional analysis of rice TFL1 homolog, RCN
14:40 - 15:10 (G2-04)	<b>Chengzhen Liang</b> (CAS) Rice <i>Prematurely Senile 1</i> is a key positive regulator of leaf senescence

Group 3	Room 3
<b>Discussion leaders:</b>	
Dena M. Leerberg, Naoyuki Tahara	
13:00 - 13:30 (G3-01)	<b>Miho Kawata</b> (NAIST) Neurotrophin-mediated regulation of NRG-1-ErbB4 signaling
13:30 - 14:00 (G3-02)	<b>Yan Huang</b> (CAS) <i>Drosophila dAcs1</i> inhibits neuromuscular junction development by regulating glycosphingolipids biosynthesis
Break	
14:10 - 14:40 (G3-03)	<b>Jason Lambert</b> (UCD) Enrichment of PSD-MAGUKs in nascent dendritic spines
14:40 - 15:10 (G3-04)	<b>Kouki Abe</b> (NAIST) Role of a clutch molecule Shootin1 in laminin induced axon formation

**15:10 - 15:30 Break**

**15:30 - 17:40 Sessions II**

Group 1	Room 1
<b>Discussion leaders:</b>	
Nicholas Aguirre, Damion Whitfield	
15:30 - 16:00 (G1-05)	<b>Daniel Cortes</b> (UCD) The asymmetry of female meiosis prevents the inheritance of unpaired chromosomes
16:00 - 16:30 (G1-06)	<b>Courtney R. Bone</b> (UCD) How forces generated in the cytoplasm are dissipated across the nucleoskeleton to move nuclei
Break	

16:40 - 17:10 (G1-07) <b>Rubwad Mathuranyanon</b> (NAIST)	Fine regulation of yeast ER stress sensor Ire1 by its N-terminal intrinsically disordered region
17:10 - 17:40 (G1-08) <b>Rochelle Coulson</b> (UCD)	Understanding the functions of a long, noncoding RNA in the regulation of the Prader-Willi critical locus, <i>SNORD116</i>

<b>Group 2</b>	<b>Room 2</b>
<b>Discussion leaders:</b>	
Jason A. Corwin, Chin-Jit Teo	
15:30 - 16:00 (G2-05) <b>Yan-Ping Long</b> (CAS)	<i>Arabidopsis</i> BINUCLEATE POLLEN 1 is a Novel Protein Critical for DNA Replication
16:00 - 16:30 (G2-06) <b>Qingliang Li</b> (CAS)	Loss of <i>AtPSM1</i> confers paraquat hypersensitive in <i>Arabidopsis</i> by regulating ROS homeostasis
Break	
16:40 - 17:10 (G2-07) <b>Nobuo Ogita</b> (NAIST)	Study on the functional role of SOG1, a key transcription factor controlling the DNA damage response in <i>Arabidopsis</i>

<b>Group 3</b>	<b>Room 3</b>
<b>Discussion leaders:</b>	
Jason Lambert, Miho Kawata	
15:30 - 16:00 (G3-05) <b>Naoyuki Tahara</b> (NAIST)	Celf1 is required for formation of endoderm-derived organs in zebrafish
16:00 - 16:30 (G3-06) <b>Dena M. Leerberg</b> (UCD)	Determining the role of Fgf signaling in the development of the early zebrafish gonad
Break	
16:40 - 17:10 (G3-07) <b>Robyn Jimenez</b> (UCD)	Detection of novel gene expression of a thyroid hormone receptor mutant causative of Resistance to Thyroid Hormone Syndrome
17:10 - 17:40 (G3-08) <b>Li Li</b> (CAS)	Thermoregulatory mechanism of brown adipose tissue during lactation

**17:40 - 18:00 Break**

**18:00 - 18:30 Information on November 15 for cultural visits**

**Main Hall**

**18:30 - 20:00 Welcome party**

## November 13 (Wednesday)

07:30 - 08:30 Breakfast

08:30 - 09:00 Check-out

09:30 - 11:40 Sessions III

Group 1	Room 1
<b>Discussion leaders:</b> Courtney R. Bone, John A. Smolka	
09:30 - 10:00 (G1-09)	<b>Rika Indri Astuti</b> (NAIST) Role of Nitric Oxide in <i>Schizosaccharomyces pombe</i> under oxidative stress conditions
10:00 - 10:30 (G1-10)	<b>Yuki Tatehashi</b> (NAIST) Novel biological function of the yeast $\gamma$ -glutamyl kinase that is a key enzyme for proline synthesis
Break	
10:40 - 11:10 (G1-11)	<b>Ariunzaya Tsolmonbaatar</b> (NAIST) Functional analysis of the putative amino acid transporter Avt7 of <i>Saccharomyces cerevisiae</i>
11:10 - 11:40 (G1-12)	<b>Nicholas Aguirre</b> (UCD) Skeletal muscle mTORC1 signaling, muscle protein synthesis and hypertrophy in response to LAT1 knockout

  

Group 2	Room 2
<b>Discussion leaders:</b> Yan-Ping Long, Qingliang Li	
09:30 - 10:00 (G2-08)	<b>Juan Wang</b> (CAS) Functional characterization of <i>DMC1</i> in rice medullary cavity formation
10:00 - 10:30 (G2-09)	<b>Pengtao Ma</b> (CAS) Identification and mapping of powdery mildew resistance genes derived from landrace and allied species of wheat
Break	
10:40 - 11:10 (G2-10)	<b>Jason A. Corwin</b> (UCD) Exploring necrotrophic disease resistance in <i>Arabidopsis thaliana</i> using natural variation to construct complex, polygenic disease resistance networks
11:10 - 11:40 (G2-11)	<b>Qiwei Shan</b> (CAS) Targeted genome editing in crop plants using a CRISPR-Cas system

  

Group 3	Room 3
<b>Discussion leaders:</b> Robyn Jimenez, Li Li	
09:30 - 10:00 (G3-09)	<b>Feng Cheng</b> (CAS) Study of a zebrafish <i>vinculin</i> mutant and its implication in dilated cardiomyopathy and coronary development
10:00 - 10:30 (G3-10)	<b>Kyohei Saiki</b> (NAIST) Uncovering metabolic adaptation of cardiac fibroblast to ischemia

Break

10:40 - 11:10 (G3-11) **Muthi Ikawati** (NAIST)

Roles of HtrA1 serine protease in arterial abnormalities

11:10 - 11:40 (G3-12) **Yumiko Toyoda** (NAIST)

Study of a role of secreted frizzled related protein 2 in skin wound healing

**11:40 - 11:50 Break**

**11:50 - 12:30 Selection of speakers and chairpersons for final session**

**12:30 - 13:30 Lunch**

**13:30 - 14:00 Free time**

**14:00 - 17:20 Final session**

**Main Hall**

14:00 - 14:20 Speaker 1

14:20 - 14:40 Speaker 2

14:40 - 15:00 Speaker 3

Break

15:10 - 15:30 Speaker 4

15:30 - 15:50 Speaker 5

15:50 - 16:10 Speaker 6

Break

16:20 - 16:40 Speaker 7

16:40 - 17:00 Speaker 8

17:00 - 17:20 Speaker 9

**17:20 - 17:50 Concluding remarks**

**17:50 - 18:50 Dinner**

**19:10 Departure to NAIST**

**19:40 Arrival at NAIST**

**UCD & CAS participants check in at the Guesthouse Sentan**

**November 14 (Thursday)**

**- 11:00 Free time**

**Bio-building Large Lecture Hall (大講義室)**

**11:00 - 12:00 Presentation of honorary doctorate degree to Prof. Carol Erickson**

**Interdisciplinary Frontier Research Complex No.2  
Kenshu Hall (研修ホール)**

**12:00 - 13:00 Posters should be put up**

**13:00 - 14:30 Poster session**

**14:30 Posters should be taken down**

**Carry poster panels away from the hall to the storage**

**November 15 (Friday)**

**All day cultural visits**

---

**November 16 (Saturday)**

**11:00 Participants from UCD and CAS leave NAIST on a chartered bus to Kansai Airport (KIX)**

---

**13:00 Arrival at KIX**

---

**16:10 CAS group departure KIX**

---

**18:20 UCD group departure KIX**

---