

23-Oct	1:00 PM	Registration desk open (Large Conference Room) Welcome Drink - Coffee & Tea
	3:00 PM	Opening Remarks
	3:20 PM	<b>Session 1: Environmental and Signaling   Chair: Janice Cooke</b> <b><u>Invited Speaker: Pal Miskolczi / Rishikesh Bhalerao (3:20-4:00 PM)</u></b> ABA and SHORT VEGETATIVE PHASE mediate control of phenology by acting on cell-cell communication in shoot apex <u>Christiaan van der Schoot (4:00-4:20 PM)</u> LECTURE-1.1: Dormancy and Sytoplasmic Networking at the Shoot Apical Meristem <u>Gabino Rios (4:20-4:40 PM)</u> LECTURE-1.2: Dormancy, stress and flowering pathways converge in flower buds of peach
	4:40 PM	Coffee Break <u>Janice Cooke (5:00-5:20 PM)</u> LECTURE-1.3: Roles for SHORT VEGETATIVE PHASE/AGAMOUS-LIKE 24-like (SAL) genes in bud formation of a conifer, white spruce <u>Dani Eshel (5:20-5:40 PM)</u> LECTURE-1.4: Do sugars act like hormones? The impact of abiotic stress on bud dormancy <u>Steven Penfield (5:40-6:00 PM)</u> LECTURE-1.5: Maternal temperature regulation of seed dormancy
	6:30 PM	Welcome reception
24-Oct	9:00 AM	Registration desk open (Large Conference Room)
	9:20 AM	<b>Session 2: Genetics and Epigenetics   Chair: Steven Penfield</b> <b><u>Invited Speaker: Szymon Swiezewski (9:20-10:00 AM)</u></b> Dormancy and drought - One antisense to rule them all? <u>Kent Bradford (10:00-10:20 AM)</u> LECTURE-2.1: Dark Inhibition of Lettuce Seed Germination Is Controlled by LsGA2ox2
	10:20 AM	Coffee Break
	10:40 AM	<u>Wenxing Chen (10:40-11:00 AM)</u> LECTURE-2.2: Epigenome analysis reveals the role of histone modifications in the chilling-regulated gene expression in apple dormant buds <u>Anil Singh (11:00-11:20 AM)</u> LECTURE-2.3: Chilling Mediates Major Transcriptional and Epigenetic Reprogramming During Bud Dormancy in Apple <u>Takanori Saito (11:20-11:40 AM)</u> LECTURE-2.4: Dynamics of chromatin structure in lipid and cell wall relating gene locus and promoter regions during bud set of 'Fuji' apple

Marcos Viejo (11:40–12:00 AM)

LECTURE-2.5: Timing of bud dormancy release is affected by an embryonic epigenetic memory in *Picea abies*

Gabriela Auge (12:00–12:20 AM)

LECTURE-2.6: Flowering-time pathways pleiotropically regulate seed dormancy and germination

12:20 PM Lunch break

1:30 PM **Session 3: Perspectives from the basic to the field (NARO Symposium/Open Symposium) | Chair: Shingo Nakamura, Takaya Moriguchi**  
**Invited Speaker: Noriyuki Nishimura (1:30-2:10 PM)**

A regulatory system of seed dormancy and germination regulated by abscisic acid signaling

Shingo Nakamura (2:10–2:30 PM)

LECTURE-3.1: Grain dormancy genes responsible for preventing pre-harvest sprouting in barley and wheat

Kazuhiko Sugimoto (2:30–2:50 PM)

LECTURE-3.2: Map based cloning of Seed dormancy 1, reveals that a MAP Kinase cascade may be involved in rice seed germination or dormancy-break in rice.

Thomas Holloway (2:50–3:10 PM)

LECTURE-3.3: The coleorhiza controls dormancy and germination in the agricultural grass weed *Avena fatua*

3:10 PM Coffee Break

**Invited Speaker: Erika Varkonyi-Gasic (3:30-4:10 PM)**

CRISPR/Cas9 mutagenesis of CEN genes and ectopic expression of SVP genes alter growth habit, flowering and dormancy in kiwifruit

Akiko Ito (4:10–4:30 PM)

LECTURE-3.4: Mild winter increases the incidence of flowering disorder of Japanese pear in the lower latitude orchards in Japan, and ABA application before leaf shedding partially alleviate the symptom

4:30 PM Coffee Break

4:40 PM **Poster Flush Talk**

6:30 PM **Poster Session**

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25-Oct 9:00 AM Registration desk open

9:20 AM **Session 4: Applied aspects | Chair: Hiro Nonogaki**  
**Invited Speaker: Kazumi Nakabayashi (9:20-10:00 AM)**

The challenge of managing noxious weeds

Hisayo Yamane (10:00–10:20 AM)

LECTURE-4.1: Genetic and molecular regulation of bud dormancy in *Prunus mume*

10:20 AM Coffee Break

10:40 AM **Invited Speaker: Jose Barrero (10:40–11:20 AM)**

Predicting the impact of heat during grain filling on wheat dormancy

David Ruiz (11:20–11:40 AM)

LECTURE-4.2: Spanish Project “Adaptation of Fruit Stone Sector to Climate Change”

Kentaro Kimura (11:40–12:00 AM)

LECTURE-4.3: Current situation of seed dormancy problem at seed company

12:00 PM Group Photo

12:20 PM Lunch break

1:20 PM **Session 5: Ecology (including climate change) | Chair: Gerhard Leubner-Metzger**

**Invited Speaker: Steven Footitt (1:20-2:00 PM)**

Using winter and summer annual Arabidopsis ecotypes to understand dormancy cycling and the timing of seedling emergence in a changing environment

Michael Considine (2:00–2:20 PM)

LECTURE-5.1: Seasonal dynamics of bud dormancy, the cell cycle and metabolism in temperate-grown grapevine

Gerhard Leubner (2:20–2:40 PM)

LECTURE-5.2: Dimorphic fruits and seeds with contrasting dormancy and dispersal as adaptive strategy of *Aethionema arabicum*

Jorunn Olsen (2:40–3:00 PM)

LECTURE-5.3: Effect of temperature on dormancy induction

3:00 PM Coffee Break

Tomoka Kusakabe (3:20–3:40 PM)

LECTURE-5.4: The alternative induction of secondary seed dormancy or seed vernalization in response to chilling regulates life history patterns in winter annuals

Jose Egea (3:40–4:00 PM)

LECTURE-5.5: Some mathematical aspects of the Dynamic Model for chill accumulation assessment

4:00 PM Business Meeting

5:00 PM ISSS AGM

7:00 PM Gala Dinner

26-Oct 9:00 AM Registration desk open

9:20 AM **Session 6: Evolution and Diversity | Chair: Junko Kyojuka**

**Invited Speaker: Kan Tanaka (9:20-10:00 AM)**

Abscisic Acid Signaling in a Unicellular Red Alga

Henk Hilhorst (10:00–10:20 AM)

LECTURE-6.1: Are seed dormancy and desiccation tolerance co-opted?

10:20 AM Coffee Break

10:40 AM Kimitsune Ishizaki (10:40–11:10 AM)

LECTURE-6.2: Molecular genetics of gemma dormancy in a basal land plant *Marchantia polymorpha*

Hiroyuki Nonogaki (11:10–11:30 AM)

LECTURE-6.3: Evolutionary aspects of the DOG1 family proteins for seed dormancy and maturation

Toshiyuki Imaizumi (11:30–11:50 AM)

LECTURE-6.4: Evolution and variation of seed dormancy through de-domestication in weedy rice (*Oryza sativa* L.)

Songling Bai (11:50–12:10 AM)

LECTURE-6.5: A cluster of Dormancy-Associated MADS-Box genes coordinately regulate bud dormancy and flower development in pear (*Pyrus pyrifolia*)

12:10 PM Lunch break

1:20 PM **Session 7: Hormone (Supported by RIKEN) | Chair: Etti Or**

**Invited Speaker: Pilar Cubas (1:20-2:00 PM)**

Gene regulatory networks controlling growth and quiescence inside Arabidopsis axillary buds

Annie Marion-Poll (2:00–2:20 PM)

LECTURE-7.1: Multi-omics analysis of abscisic acid roles in the control of Arabidopsis seed dormancy

Etti Or (2:20–2:40 PM)

LECTURE-7.2: Ethylene- induced macromolecule catabolism ? the switch required for bud meristem growth resumption?

2:40 PM Coffee Break

Shigeo Toh (3:00–3:20 PM)

LECTURE-7.3: The COP1 negatively regulates seed germination in strigolactone signaling

Mitsunori Seo (3:20–3:40 PM)

LECTURE-7.4: Brassinosteroid regulates seed longevity in Arabidopsis

Zhihong Gao (3:40–4:00 PM)

LECTURE-7.5: The flower bud seasonal dormancy release induced by GA4 in *Prunus mume*

4:00 PM Closing Remarks

4:20 PM Closing