Program

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