

International symposium

Secrets of stem cells underlying longevity and persistent growth in plants

2021.4.26

Japan time	Speakers	Affiliations	Title	Moderator
15:00	Yukiko Gotoh	University of Tokyo, Japan	Cell cycle arrest determines adult neural stem cell ontogeny by an embryonic Notch-nonoscillatory Hey1 module	Tomomi Tsubouchi (National Institute for Basic Biology)
	Tatsuo Kakimoto	Osaka University, Japan	PFAs and PFBs, two types of bHLH proteins, determine the competence of pericycle for lateral root initiation	
	Christine Beveridge	University of Queensland, Australia	Interplay of sugars and hormones in activating axillary buds	
	Yuling Jiao	Chinese Academy of Sciences, China	Stochastic gene expression drives mesophyll protoplast regeneration	
17:00	Joo Hyeon Lee	University of Cambridge, UK	The journey of stem cell differentiation during alveolar regeneration	
	Francesco Licausi	University of Oxford, UK	The hypoxic state of (some) plant meristems	
	Tobias Sieberer	Technical University of Munich, Germany	Deciphering the role of the carboxypeptidase AMP1 in cell fate maintenance	
	Ana I. Caño-Delgado	CRAG CSIC-IRTA-UAB- UB, Spain	TBD	
19:00	Meet the speaker 1			

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9:00	Makiko Iwafuchi	Cincinnati Children's Hospital Medical Center, USA	Pioneering the epigenetic landscape for cell-fate programming	Kiyoshi Mashiguchi (Kyoto University)
	Zach Lippman	Cold Spring Harbor Laboratory, USA	Dynamic evolution of CLE peptide compensation in stem cell control	
	Masaki Ishikawa	National Institute for Basic Biology, Japan	Mechanisms underlying stem cell formation in the moss <i>Physcomitrium patens</i>	
	Doris Wagner	University of Pennsylvania, USA	Organogenesis, pluripotency and meristem fates	
11:00	Meet the speaker2			
17:00	Hirota Kato	Kobe University, Japan	Role of the core auxin-responsive gene family in a basal plant	Yiling Miao (Tohoku University)
	Momoko Ikeuchi	Niigata University, Japan	Single cell RNA-seq approach toward identification of cell types during shoot regeneration	
	Peishan Yi	Sichuan University, China	Asymmetric cell division underlies the generation of new apical stem cells in the moss <i>Physcomitrium patens</i>	
	Idan Efroni	Hebrew University, Israel	So many roots: lateral, shoot-borne and wound-induced root initiation	
	Tom Beeckman	Ghent University, Belgium	Plant Stem Cells for Root Branching	
	Robert Sablowski	John Innes Centre, UK	Regulation of plant stem cell size using DNA contents as a scale	
19:00	Meet the speaker3			

2021.4.28

Japan time	Speakers	Affiliations	Title	Moderator
9:00	Junyue Cao	Rockefeller University, USA	Scalable single-cell molecular profiling methods based on combinatorial indexing	Aki Shiori (Nara Institute of Science and Technology)
	Zhongchi Liu	University of Maryland, USA	A regulatory module consisting of TSO1, MYB3R1, and CYCA3;4 in balancing proliferation with differentiation in plant stem cells	
	Jia-Wei Wang	Chinese Academy of Sciences, China	The Arabidopsis Vegetative Shoot Apex Cell Atlas	
	Michael J. Scanlon	Cornell University, USA	Single-cell RNAseq Analyses of Maize Shoot Morphogenesis	
11:00	Meet the speaker4			
15:00	Sou Tomimoto	Kyushu University, Japan	Modeling mutation accumulation and expansion in long-lived trees with complex branching structure	Gohta Goshima (Nagoya University)
	Yuta Aoyagi	Kyushu University, Japan	The role of poly(ADP-ribose) polymerase in longevity in trees: comprehensive analyses of copy number variations in DNA re-pair genes using the genome database	
	Kai Battenberg	RIKEN CSRS, Japan	NIN activation by CYCLOPS is not universally required across all nitrogen-fixing plants	
	Teruki Sugiyama	RIKEN CSRS, Japan	Control of cell cycle reactivation during nodule development	
	S. Thomas Kelly	RIKEN IMS, Japan	Evaluation of plant single-cell transcriptome analysis techniques in <i>Arabidopsis thaliana</i> root tissue	
	Takuya Uragami	Nagoya University, Japan	Toward identification of novel cytokinin transporters	
	Takumi Tezuka	National Institute of Genetics, Japan	Establishment of dorsal-ventral axis during rice embryogenesis	
	Kodai Takemoto	Kyoto University, Japan	The relationship between CYP78A and cytokinin in <i>Physcomitrium patens</i>	
	Yuki Hata	Tohoku University, Japan	TAWAWA1 promotes cell differentiation outside the stem cell in the shoot apical meristem of <i>Physcomitrium (Physcomitrella) patens</i>	
	Margaret Anne Pelayo	Nara Institute of Science and Technology, Japan	A model for H3K27me3 dilution for temporal control of transcriptional activation in floral stem cells	
	Naoki Takahashi	Nara Institute of Science and Technology, Japan	Cytokinin and auxin orchestrate distinct DNA damage responses in <i>Arabidopsis</i> roots	
Ana Pombo	Max Delbrück Center for Molecular Medicine, Germany	Specific 3D genome topologies distinguish epiblast from primitive endoderm cells in the mouse embryo		
17:00	Meet the speaker5			

25 min	Invited speakers
8 min	Short talks