

Symposia at a Glance

Room				Dec. 9 (Tue.) 8:30 ~ 11:30	Dec. 10 (Wed.) 8:30 ~ 11:30	Dec. 11 (Thu.) 8:30 ~ 11:30	Dec. 12 (Fri.) 8:30 ~ 11:30	
Portopia Hotel	Portopia Hall	3F	Room 1	Portopia Hall	1S1 Crucial Factors Regulating Pluripotent Stem Cell Functions - considering clinical application - S. Yamanaka • T. Era			
		South Wing	1F	Room 2	Ohwada A	1S2 Inevitable roles of homeostatic regulation of metabolism K. Iwai • M. Suemitsu	2S2 Microenvironmental niches for stem cells T. Nagasawa • S. Yoshida	3S2 Metabolomics- A new approach to elucidating biosystems T. Soga • Y. Kanai
	Room 3			Ohwada B	1S3 Expansion of the non-protein-coding RNA inventory H. Siomi • S. Nakagawa	2S3 Exploding concept of protein quality control T. Endo • T. Inada	3S3 Intracellular logistics: approach to pathophysiology of membrane traffic T. Yoshimori • T. Sasaki	4S3 Physiology and pathophysiology of protein degradation systems M. Komatsu • S. Murata
	Room 4			Ohwada C	1S4 Histone code hypothesis and biological phenomena - present and future - M. Horikoshi • M. Nakanishi	2S4 Genetic information carried in chromatin T. Fukagawa • T. Ohyama	3S4 Epigenetic programming mechanisms in development and human diseases H. Aburatani • M. Nakao	4S4 Molecular mechanisms regulating stability and diversification of the genome K. Sugawara • C. Masutani
	Room 5		Topaz	1S5 The frontiers in research on membrane proteins K. Yokoyama • S. Iwata	2S5 New Frontier of Genetic Code Translation O. Nureki • K. Tomita	3S5 Variety of Functions of Circadian Clock Genes H. Okamura • N. Emoto	4S5 Molecular Biology of Left-Right Asymmetry T. Iwasato • H. Okamoto	
	Room 6		Sapphire	1S6 Aging and Metabolism A. Imura • M. Makishima	2S6 Cellular senescence and diseases E. Hara • I. Komuro	3S6 Bone diseases and signal transduction A. Kumanogoh • H. Takayanagi	4S6 New research realm on infectious diseases K. Takeda • Y. Matsuura	
	B1F		Room 7	Emerald	1S7 Mechanism of hair follicle formation and melanocyte differentiation K. Fukami • M. Fukuda	2S7 Plant defense and cell death M. Kawai-Yamada • K. Kuchitsu	3S7 Inter-cellular Signaling in Plant Development T. Higashiyama • S. Sawa	4S7 Frontiers of metabolomics: new insights into plant biology M. Arita • K. Saito
	Room 8		Diamond	1S8 Approaches from molecular biology to post-nanotechnology Y. Takaoka • K. Sano	2S8 Systems biology of dynamics of molecular networks S. Kuroda • S. Kondo	3S8 Revolutionary DNA sequencers and bioinformatics S. Morishita • Y. Suzuki	4S8 Computational initiative for discovering dynamical structures of biological networks S. Miyano • K. Horimoto	
	Room 9	Ruby	1S9 Recent advance of nanobiotechnology A. Taniguchi • T. Haruyama	2S9 Integrated Database Project T. Takagi • K. Okubo	3S9 Bacterial Signal Transduction: Networks and Drug targets R. Utsumi • Y. Shiro	4S9 Mitochondrial genome and cellular functions D. Kang • J. Hayashi		
	Main Bldg	2F	Room 10	Nojigiku/Sumire/Tsutsuji	1S10 Dynamic regulation of chromatin by post-translational modification systems T. Osada • M. Masutani	2S10 Genome maintaining networks in S phase F. Ishikawa • H. Masukata	3S10 Deciphering Splicing Codes Hidden in the Pre-mRNAs M. Hagiwara • A. Mayeda	4S10 Nuclear domains and their biological roles A. Inoue • T. Tani
			Room 11	Kairaku 1	1S11 Recent advance in newclear receptor research K. Morohashi • S. Kato	2S11 New realm of research on RNA silencing M. C Siomi • Y. Tomari	3S11 Nuclear signaling mechanisms and transcription complex dynamics K. Igarashi • K. Itoh	4S11 Regulation of Chromosome Cycle H. Masai • K. Ohta
		B1F	Room 12	Kairaku 2	1S12 Current progress in TOR research: nutrient, metabolism, growth, and more T. Maeda • Y. Kamada	2S12 Regulatory mechanisms of cellular functions with glycosylation in the vicinity of cell membrane K. Furukawa • T. Kinoshita	3S12 Novel lipid mediators and their functions T. Yokomizo • M. Murakami	4S12 Phospholipid signaling and membrane dynamics T. Itoh • T. Sasaki
		Room 13	Kairaku 3	1S13 Roles of cytoskeleton and cell adhesion in tissue organization T. Ishizaki • H. Ogita	2S13 Diverse mechanisms controlling cytokinesis M. Komada • K. Nakano	3S13 Creation to Functioning of the Cytoskeleton N. Watanabe • R. Takeya	4S13 Signal transduction in cell adhesion M. Furuse • J. Takagi	

<How to read the session numbers>

Date + Symposium (S) + Room

(ex.) 3S27: The 3rd day / Symposium / Room 27

<Session Language>

🇯🇵 : Japanese 🇺🇸 : English 🇯🇵/🇺🇸 : Japanese or English (depends on speakers)

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Portopia Hotel	Main Bldg	B1F	Room 14	Waraku	1S14 Molecular mechanisms regulating germline development S. Kobayashi • Y. Matsui	2S14 Cell migration during organogenesis Y. Takahashi • K. Sawamoto	3S14 Neuronal polarity K. Kaibuchi • F. Matsuzaki	4S14 Regulation of cell polarity and motility by gradient forming factors: aiming to elucidate underlying mechanisms during histogenesis, wound healing and tumor invasion & metastasis Y. Minami • A. Kikuchi		
			Room 15	Ikuta	1S15 Progress in Molecular Toxicology Y. Kumagai • C. Tohyama	2S15 The roles of heme for maintaining cellular homeostasis in mammals K. Furuyama • S. Taketani	3S15 Integrated retinology: Functional Organization of the Retina S. Kawamura • Y. Fukada	4S15 NF-κB and diseases H. Nakano • N. Inohara		
			Room 16	Nunobiki	1S16 Molecular bases for the establishment of mammals K. Shirahige • N. Okada	2S16 New Functions of Matrix Metalloproteinases (MMPs) K. Miyazaki • H. Sato	3S16 Recent progress in structural biology of cell signaling T. Hakoshima • Y. Higuchi	4S16 Lineage choice and differentiation of hematopoietic cells M. Kanno • I. Taniuchi		
			Room 17	Kitano	1S17 New Prospect of Insect Biology beyond the Genomics of the Silkworm, Bombyx mori T. Shimada • K. Mita		3S17 Let's study cellular stress-adaptation strategies from yeast: From stress response to protein quality control Y. Kimata • H. Takagi	4S17 Impacts of archaeal genome biology on modern life sciences Y. Ishino • K. Nakasone		
			Room 18	Kikusui	1S18 Seeing is believing: dynamism, stochasticity, and heterogeneity in vivo S. Nishimura • T. Imamura	2S18 Cellular signaling by S-nitrosylation of proteins H. Kurose • T. Akaike	3S18 Redox regulation and redox signaling: what we can learn from bacteria, plants and mammals T. Hisabori • J. Yodoi	4S18 Molecular and cellular responses to mechanical stress in musculoskeletal system S. Takeda • M. Noda		
Conference Center	1F	Room 19	Main Hall	1S19 Physiological roles of cell death through interaction with neighboring cells M. Miura • S. Nagata	2S19 Chromosome dynamics and nuclear function K. Takahashi • H. Kimura	3S19 Cell Proliferation Control T. Kishimoto • K. Nakayama	4S19 Transcription factors regulating stress response M. Yamamoto • S. Fukamizu			
				3F	Room 20	301	1S20 Dynamics of Organelles-assembly, degradation, and function T. Oka • Y. Sakai	2S20 Dynamism of plant development from viewpoints of meristems T. Araki • Y. Machida	3S20 Molecular Biology for Biofuel Production Process - Development of Biomass Refinery M. Ueda • K. Yoshida	4S20 Molecular strategies in plants'adaptation to environments K. Shimamoto • K. Shinozaki
				4F	Room 21	401 + 402	1S21 Interface of Nucleocytoplasmic Transport and Cellular Function Control Y. Yoneda • M. Ohno	2S21 Membrane microdomain: New developments and the future T. Fujimoto • T. Kobayashi	3S21 Novel biological systems as revealed with transporter studies Y. Moriyama • Y. Kakinuma	4S21 Toward elucidation of images of functioning ion channels Y. Kubo • Y. Okamura
				5F	Room 22	501	1S22 Novel roles of lysophospholipids J. Aoki • A. Tokumura	2S22 Lipid biology of model organisms: Diverse biological functions of membrane lipids in various organisms M. Umeda • H. Arai	3S22 Functions of Phosphatase Superfamily and Their Disorders: From Genome to Disease T. Matozaki • M. Hatakeyama	4S22 Basic & Clinical Glycobiology for human diseases E. Miyoshi • T. Suzuki
					Room 23	502	1S23 Cell dynamics controlled by microtubules A. Sugimoto • S. Onami	2S23 Regulation of development and differentiation by extracellular environment K. Nishiwaki • K. Sekiguchi	3S23 New Trends in Chemical Biology I. Hamachi • H. Mihara	4S23 Reverse proteomics approaches using genome-wide protein expression resources N. Goshima • T. Nagase
		Room 24	503 + 504 + 505	1S24 Molecular Mechanisms of Meiosis Y. Watanabe • A. Shinohara	2S24 Darwinian selection identified from comparative genomics T. Gojobori • Y. Suzuki	3S24 NMR structural biology F. Inagaki • I. Shimada	4S24 Organization of protein functions -From chaperones to translocators- H. Taguchi • M. Sakaguchi			
Exhibition Hall 2	2F	Room 25	2A	1S25 Molecular mechanism of regeneration and degeneration of the central nervous system T. Yamashita • T. Araki	2S25 Biology of synapse - from molecules to animal behavior S. Okabe • A. Nose	3S25 Searching for genes involved in neurodegenerations and their functional analyses A. Kakizuka • R. Takahashi	4S25 Integrative approach to understand psychiatric disorders T. Takumi • T. Miyakawa			
		3F	Room 26	3A	1S26 Regulation of cell movement and membrane trafficking by low-molecular-weight GTPases M. Matsuda • T. Sakisaka	2S26 Immune Surveillance and its disorder in diseases T. Okazaki • S. Hori	3S26 New era of "omics"-based cancer research T. Takahashi • J. Inazawa	4S26 Novel bioimaging techniques: Towards the study of trans-hierarchical interplay in biological systems N. Hiroyuki • T. Nagai		

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