PROGRAM

Day 1 (10/29) Tuesday

13:20-14:00	00 Registration	
14:00-14:10	10 Opening Remarks	
	Yen-Hsuan Ni [Dean, College of Medicine, National Taiwan University, NTUCM]	
Special Lect	cture Chair: Ming-Shyue Lee (IBMB	Director)
14:10-14:30	30 SCUBE2 Regulates Adherens Junction Dynamics and Vascular Barrier Function Dur	ring
	Inflammation	
	Ruey-Bing (Ray) Yang [Research Fellow, Institute of Biomedical Sciences, Academic	ia Sinica]
PI Session I:	I: Structure Biology. Chair: Katsuhiko Mikoshiba (SIAIS P	Professor)
14:30-14:45	45 Structure of a Complete Contractile Bacteriophage	
	Matthias Wolf (OIST)	
14:45-15:00	00 Structure Basis of Chaperone Interplay, Action and Folding	
	Soung-Hun Roh (IMBG)	
15:00-15:15	5 Structural Basis for Recruitment of Peptidoglycan Endopeptidase MepS by Lipoprote	ein NlpI
	Shiou-Ru Tzeng (IBMB)	
15:15-15:45	15 Coffee Break	
PI Session I	II: Biotechnology. Chair: Jongsoon Lee (SIMS	Director)
15:45-16:00	00 Understanding the Forces That Control Cell Fate and Disease Progression	
	Yongsung Hwang (SIMS)	
16:00-16:15	15 A STAND (Ultra-Stable Cytoplasmic Antibody) Engineered for in vivo Applications	s to
	Canaar Anontotia Strass Induced and ED Strass Induced Diseases	
	Cancer, Apoptotic-Stress Induced and ER-Stress Induced Diseases	
	Katsuhiko Mikoshiba (SIAIS)	
16:15-16:30		
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16:15-16:30 16:30-16:45	Katsuhiko Mikoshiba (SIAIS) 30 Control of Cell Proliferation by Mitotic Quality Control Franz Meitinger (OIST)	
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YS Session	I Chair: Hsuan-Ju Chen, Marvin Angelo E. Aberin
9:00-9:10	RNaseT2-Deficiency Promotes TLR13-Dependent Replenishment of Tissue-Protective
	Kupffer Cells
	Ryota Sato (IMSUT)
9:10-9:20	The Role of USP28 in Mitotic Stress Response
	Md Hazrat Belal (OIST)
9:20-9:30	Mechanistic Insights into Artemisinin-Induced Suppression of Migration and Proliferation of
	Tongue Cancer Cells
	Laurensia Danis Anggradita (SIMS)
9:30-9:40	Biomimetic Lymphocyte Capture by Magnetic Polymerized Antigen Presenting Cells for
	Anticancer Adoptive T Cell Therapy
	Chung Yao Hsu (IBMS)
9:40-9:50	Cryo-EM Structure of Human DICER in A Cleavage-Ready State
	Hansol Lee (IMBG)
9:50-10:00	Opto-Combinatorial Indexing Reveals the Distinct Transcriptomic Responses Associated with
	Paclitaxel-Induced Multinuclear Formation by Linking Cellular Images and Transcriptomes
	Taiko Paul Kaneko (LiMe)
10:00-10:10	The Study of How Second Messengers and Protein Kinases Regulate Neuronal Polarize
	Trafficking
10.10 10.40	Jhao-Ching Jhong (IBMB) Coffee Break
YS Session	
10:40-10:50	Adipose Stem and Progenitor Cells Determine White Fat Depot-Specificity
10.50 11.00	Hahn Nahmgoong (IMBG)
10.30-11.00	Synergistic Cancer Treatment: Leveraging G-Quadruplex Ligands to Suppress c-FOS and Overcome Drug Resistance
	Yi-Chen Tu (IBMB)
11.00-11.10	Enzymatic Responses to Antibiotic Stress
11.00 11.10	Elsie Dunkley (OIST)
11:10-11:20	Back-Priming: a Unique RNA Replication Strategy of Borna Disease Virus 1
11.10 11.20	Takehiro Kanda (LiMe)
11:20-11:30	The Effects of Piezoelectric Stimulation on Cellular Responses and Neurite Outgrowth of
	Neuroblastoma Cells
	Yu-Chia Chuang (IBMS)
11:30-11:40	Development of a Mouse Model for In Utero Hematopoietic Stem Cell Transplantation
	Hyojung Jeon (IMSUT)
11:40-11:50	Deciphering Developmental Condition of Hindbrain R1 Region on hPSCs System

Virginia Blessy Juwono (SIMS)

11:50-13:30 Lunch

PI Session IV	V: Stem Cell, Development, and Tissue Enginee	ring. Chair: Amy Shen (OIST Director)
13:30-13:45	Controlling Cell Fate Specification System Bas	ed on Network Topology
	Atsushi Mochizuki (LiMe)	
13:45-14:00	Coral Reef Fish, Hormones and Metamorphosis	s: a Tale of Adaptation
	Vincent Laudet (OIST)	
14:00-14:15	Metabolic Modulation of Cell Fates in Stem Ce	lls and Cancer
	Takahiro Ito (LiMe)	
14:15-14:30	Break	
PI Session V	: Stress Response and Metabolism.	Chair: Jongkyeong Chung (IMBG Director)
14:30-14:45	PKR Mediates the Mitochondrial Unfolded Pro	tein Response Through Double-Stranded RNA
	Accumulation Under Mitochondrial Stress	
	Jaeseok Han (SIMS)	
14:45-15:00	Immune Disorders Due to Lysosomal Nucleic	Acid Stress
	Kensuke Miyake (IMSUT)	
15:00-15:15	Metabolic Regulation of PINK1/Parkin Pathwa	У
	Jongkyeong Chung (IMBG)	
15:15-15:30	T Cell Stress Response and Lupus Organ Dama	ige
	Ping-Min Chen (IBMB)	
15:30-16:00	Coffee Break	
PI Session V	I: Brain and Neuroscience.	Chair: Yuji Yamanashi (IMSUT former Dean)
16:00-16:15	The Alteration of Brain Metabolism via Astroc	ytes in Parkinson's Diseases
	Jong-seok Moon (SIMS)	
16:15-16:30	Unveiling the Hippocampal Link Between Spat	ial Maps and Exploratory Intent
	Ning Zhou (SIAIS)	
16:30-16:45	Probing Stimulus Encoding in the Olfactory Bu	lb Using Synthetic Olfactory Stimuli
	Izumi Fukunaga (OIST)	
16:45-17:00	Signaling in Neuromuscular Junction (NMJ) Fo	ormation/Maintenance and NMJ-Targeted
	Therapies	
	Yuji Yamanashi (IMSUT)	
17:30-	Dinner	

Day 3 (10/31) Thursday

YS Session I	II Chair: Yi-Chen Tu, Chung Yao Hsu
9:00-9:10	Preclinical Models of VNS for the Bench and Bedside
	Benjamin Hyunju Ahn (IMBG)
9:10-9:20	Reduced Activity of the Enzyme Adenylosuccinate Lyase Affects the Competitive Behavior
	of Female Mice
	Xiang-Chun Ju (OIST)
9:20-9:30	The DEPTOR-KIF11 Pathway is a Crucial Regulator of Metabolic Adaptation and Leukemic
	Progression
	Tania Setiawan (SIMS)
9:30-9:40	Aggravation of Hypoxic Damage Response in Cardiomyocytes by Macrophages
	Wei-Xuan Lu (IBMB)
9:40-9:50	Angiogenesis Enhanced by Cyclic Stretching in Human ES Cell-Derived Liver Ogranoids
	Koki Yoshimoto (LiMe)
9:50-10:00	Investigation of Tamoxifen-RACK7/KDM5C-IFN-I Axis for ER+ Breast Cancer
	Immunomodulation
	Marvin Angelo Esteban Aberin (IBMS)
10:00-10:10	Pancancer Analysis of Subclonal Evolution
	Kazuki K. Takahashi (IMSUT)
10:10-10:40	Coffee Break
YS Session I	V Chair: Jhao-Ching Jhong, Yu-Chia Chuang
10:40-10:50	Elucidating Pathogenesis of Hematopoietic Dysfunction in PNH Using Patient-Derived
	iPSCs
	Jiyuan Liao (IMSUT)
10:50-11:00	Development of Neural Crest Derived Facial Tissues in vitro and These Morphogenesis
	Ryoma Ogihara (LiMe)
11:00-11:10	Influence of Polydeoxyribonucleotide on Tendon Stem Cell Behavior: Adenosine A2A
	Receptor Activation and Mechanical Force-Driven Migration via Focal Adhesion Formation
	Jothilin Subitsha Alex Jeberson (SIMS)
11:10-11:20	Impact of Hominin-Specific Genetic Variants on Skeletal Muscle
	Shin-Yu Lee (OIST)
11:20-11:30	Genome-Wide Association Study of Non-Tuberculous Mycobacterial Lung Disease in
	Taiwanese Population
	Hsuan-Ju Chen (IBMB)
11:30-11:40	Targeting Squalene Epoxidase for Breast Cancer Brain Metastasis
	Jia-Yun Yeh (IBMS)
11:40-11:50	Senescent Hypertrophy: Not a Mere Consequence of Senescence, But a Functional Program
	of Senescence
	Joae Joung (IMBG)
11:50-13:30	Lunch

13:30-13:45	Structures of the Mononegavirus Nucleoprotein-RNA Complex
	Yukihiko Sugita (LiMe)
13:45-14:00	Exploring the Hippo Pathway-Autophagy Crosstalk in Cancer Progression
	Gayoung Seo (SIMS)
14:00-14:15	Inhibition of Invasiveness of Tumor Cell as a Tool to Overcome Therapy Resistance
	Yasushi Soda (IMSUT)
Special Lectur	re Chair: Nei-Li Chan (IBMB Distinguished Professor)
14:15-14:35	Introduction of National Biotechnology Research Park and Biomedical Translation Research
	Center
	Han-Chung Wu [Director, Biomedical Translation Research Center (BioTReC), Academia
	Sinica]
14:35-14:50	Break
4:50-15:40 Ken-Ichi Arai Award Lecture and Ceremony	
	Lecturer: Ming-Jiun Yu Presenter: Jeongbin Yim
15:40-16:10	Coffee Break
16:10-16:25	Award of Special Achievement
16:25-16:40	Outstanding Young Scientist TOMY Award and Closing Remarks
16:40-16:50	Greeting From the Next Host
18:00-	Dinner (Closing Dinner)

Day 4 (11/1) Friday

- 7:30-12:00 Kavalan Whisky Distillery, Yilan
- 12:00- To the Airport