

**July 22 (Sat), 2023**

## Session 1

**New Insights in Adipose Tissue Biology**

9:00-10:00		Room F
Chair	Yong Liu (China), Min Seon Kim (Korea)	
KSOD-1-1	Lipid droplet fusion and lipid storage controlled by CIDE proteins <i>Peng Li (School of Life Sciences, Zhengzhou University, Zhengzhou, China / Shanghai Qi Zhi Institute, Shanghai, China / Shanghai Key Laboratory of Metabolic Remodeling and Health, Institute of Metabolism and Integrative Biology, Department of Endocrinology and Metabolism, Zhongshan Hospital, Fudan University, Shanghai, China)</i>	
KSOD-1-2	Dynamic Adipose Tissue Remodeling with Immune Cells <i>Jae Bum Kim (Center for Adipocyte Structure and Function, Institute of Molecular Biology and Genetics, School of Biological Sciences, Seoul National University, Seoul, Korea)</i>	
KSOD-1-3	Adipose-targeted delivery of thyroid hormone for treatment of obesity and its metabolic complications <i>Aimin Xu (State Key Laboratory of Pharmaceutical Biotechnology, Department of Medicine, The University of Hong Kong, Hong Kong, China)</i>	

## Session 2

**Stress Response and Metabolic Regulation**

10:10-11:10		Room F
Chair	Iichiro Shimomura (Japan), Kyong Soo Park (Korea)	
KSOD-2-1	Metabolic Regulation by the ER Stress Sensor IRE1 $\alpha$ through Selective mRNA Decay <i>Yong Liu (College of Life Sciences, Wuhan University, Wuhan, China)</i>	
KSOD-2-2	Mitochondrial Proteostasis and Systemic Energy Homeostasis: A Focus on Thermogenic Responses in Adipose Depots <i>Minho Shong (Department of Internal Medicine, Chungnam National University School of Medicine, Daejeon, Korea)</i>	
KSOD-2-3	Mitochondrial Quality Control and Dynamics in Health and Disease ; The Role of PDK4 <i>In-kyu Lee (Research Institute of Aging and Metabolism, Kyungpook National University, Daegu, Korea / Department of Internal Medicine, School of Medicine, Kyungpook National University, Kyungpook National University Hospital, Daegu, Korea)</i>	

## Session 3

**New Players in Metabolic Regulation**

11:20-12:20		Room F
Chair	Jae Bum Kim (Korea), Aimin Xu (China)	
KSOD-3-1	Regulation of metabolic homeostasis by lactate transport through MCT1 <i>Yan Chen (Shanghai Institute of Nutrition and Health, Chinese Academy of Science, Shanghai, China)</i>	
KSOD-3-2	Role of SUMO-specific protease 2 (SEN2) in Modulating Brown Adipose Tissue Activity <i>Kyong Soo Park (Division of Endocrinology and Metabolism, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea)</i>	
KSOD-3-3	Liver-derived apolipoprotein (ApoJ) is a novel regulator of glucose metabolism <i>Young-Bum Kim (Harvard Medical School, Boston, USA)</i>	

## Special Lecture 1 (Luncheon Seminar)

12:30-13:30		Room F
Chair	Kohjiro Ueki (Japan)	
KSOD-SP-1	Molecular pathogenesis of type 2 diabetes in Japan and Asian countries <i>Takashi Kadowaki (Toranomon Hospital, Federation of National Public Service Personnel Mutual Aid Associations, Tokyo, Japan)</i> <i>Sponsored by Sumitomo Pharma Co., Ltd</i>	

Session 4

**Novel Mechanisms of Diabetes Therapy**

13:40-14:40		Room F
Chair		Peng Li (China), Weiping Han (Singapore)
KSOD-4-1	Non-metabolizable glucose analogue ameliorate obesity and diabetes via SGLT1-mediated glucagon secretion <i>Tadahiro Kitamura (Metabolic Signal Research Center, Institute for Molecular and Cellular Regulation, Gunma University, Gunma, Japan)</i>	
KSOD-4-2	Metformin-regulated glucose flux from the circulation to the intestinal lumen <i>Wataru Ogawa (Department of Internal Medicine, Division of Diabetes and Endocrinology, Kobe University School of Medicine, Kobe, Japan)</i>	
KSOD-4-3	Plasma metabolomic features after vertical sleeve gastrectomy in patents with obesity <i>Dae Ho Lee (Department of Internal Medicine, Gachon University Gil Medical Center, Incheon, Korea)</i>	

Session 5

**Metabolic Regulation through the Organ-Organ Interactions**

14:50-15:30		Room F
Chair		Inkyu Lee (Korea), Dae Ho Lee (Korea)
KSOD-5-1	New Aspects of Adiponectin / T-cadherin System for Organ Protection <i>Ichiro Shimomura (Department of Metabolic Medicine, Osaka University Medical School, Osaka, Japan)</i>	
KSOD-5-2	Regulation of Energy and Glucose Metabolism by Hypothalamic Immune Cells <i>Min-Seon Kim (Division of Endocrinology and Metabolism, Asan Medical Center and University of Ulsan College of Medicine, Seoul, Korea)</i>	

Session 6

**Diabetes and Cancer**

15:40-16:20		Room F
Chair		Yan Chen (China), Young-Bum Kim (USA)
KSOD-6-1	Gut insulin signaling plays a protective role in the development of NASH and HCC <i>Kohjiro Ueki (Diabetes Research Center, National Center for Global Health and Medicine, Tokyo, Japan)</i>	
KSOD-6-2	Therapeutic targeting of metabolic regulators in liver cancer <i>Weiping Han (Neurometabolism in Health &amp; Diseases, Institute of Molecular and Cell Biology A*STAR, Singapore, Singapore)</i>	

Special Lecture 2

16:40-17:40		Room F
Chair		Tadahiro Kitamura (Japan)
KSOD-SP-2	Physiology and therapeutic applications of incretins <i>Nobuya Inagaki (Professor Emeritus, Kyoto University, Kyoto, Japan / Medical Research Institute KITANO HOSPITAL, PIIF Tazuke-kofukai, Osaka, Japan)</i> <i>Sponsored by Eli Lilly Japan</i>	