



2015 SEOUL  
SYMPOSIUM ON  
OBESITY &  
DIABETES

# 2015 Seoul Symposium on Obesity & Diabetes

Saturday 28th March, 2015

Auditorium, Biomedical Research Institute,  
Seoul National University Hospital

	Name	Institution	Country	Title of talk
<b>09:00-10:20</b>	<b>Session 1. Energy Metabolism</b>			<b>Chairpersons:</b> Young-Bum Kim (Harvard Medical School, USA) Tadahiro Kitamura (Gunma University, Japan)
09:00	Min Seon Kim	University of Ulsan	Korea	PKA signaling in the POMC neurons is critical for whole body glucose disposal
09:20	Kohjiro Ueki	University of Tokyo	Japan	Role of the TGFbeta superfamily proteins in the regulation of glucose homeostasis
09:40	Minho Shong	Chungnam National University	Korea	Cell autonomous and non-autonomous regulation of systemic energy metabolism in reduced electro transport chain function
10:00	Chen-Yu Zhang	Nanjing University	China	Dimerized Eutherian UCP1 regulates thermogenic proton leaks
10:20-10:40	Coffee Break			
<b>10:40-12:00</b>	<b>Session 2. Adipokines</b>			<b>Chairpersons:</b> Kyong Soo Park (Seoul National University, Korea) Kohjiro Ueki (University of Tokyo, Japan)
10:40	Aimin Xu	The University of Hong Kong	HongKong	Adiponectin promotes browning of subcutaneous adipose tissue by facilitating M2 macrophage proliferation in mice
11:00	Norikazu Maeda	Osaka University	Japan	Cardiovascular accumulation of Adiponectin protein and its positive feedback regulation through T-cadherin
11:20	Hyo Soo Kim	Seoul National University	Korea	Implication of Resistin - CAP1 axis in fat inflammation and metabolic syndrome
11:40	Jae Myung Suh	Korea Advanced Institute of Science and Technology	Korea	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer
12:00-13:00	Lunch			
<b>13:00-14:20</b>	<b>Session 3. Insulin Secretion</b>			<b>Chairpersons:</b> Weiping Han (Singapore Bioimaging Consortium, Singapore) Yan Chen (Shanghai Institutes for Biological Sciences, China)
13:00	Weiping Han	Singapore Bioimaging Consortium, A*STAR	Singapore	Molecular regulation of insulin secretion
13:20	Seung Hoi Koo	Korea University	Korea	SIK1 terminates cAMP signaling by negative feedback loop in beta cells
13:40	Wanjin Hong	Institute of Molecular and Cell Biology, A*STAR	Singapore	Regulators of insulin secretion and insulin action
14:00	Tadahiro Kitamura	Gunma University	Japan	Newly developed glucagon sandwich ELISA provides new insights into physiological and pathological importance of glucagon
14:20-14:40	Coffee Break			
<b>14:40-16:00</b>	<b>Session 4. Insulin Resistance and Diabetes</b>			<b>Chairpersons:</b> Minho Shong (Chungnam National University, Korea) Peng Li (Tsinghua University, China)
14:40	Masao Kaneki	Harvard Medical School	USA	iNOS and protein S-nitrosylation in obesity and diabetes
15:00	Tohru Minamino	Niigata University	Japan	Role of senescence-associated inflammation in lifestyle-related disease
15:20	Guanhou Shui	Institute of Genetics and Developmental Biology	China	Lipidomics as tools for the early diagnosis and sub-classification of type 2 diabetes mellitus
15:40	Feng Liu	University of Texas Health Science Center	USA	New insights into the signaling mechanisms underlying adipose tissue function
16:00	Yun Sok Lee	UCSD/KAIST	Korea	Role of adipose tissue hypoxia in obesity and insulin resistance
16:20 - 16:40	Coffee Break			
<b>16:40-18:00</b>	<b>Session 5. Lipid and Liver Metabolism</b>			<b>Chairpersons:</b> In Kyu Lee (Kyungpook National University, Korea) Amin Xu (University of Hong Kong, Hong Kong)
16:40	Peng Li	Tsinghua University	China	Lipid droplet fusion and obesity development
17:00	Yan Chen	Shanghai Institutes for Biological Sciences	China	PAQR3 modulates cholesterol biosynthesis by anchoring Scap/SREBP complex to the Golgi apparatus
17:20	Yoshihiro Ogawa	Tokyo Medical and Dental University	Japan	DNA demethylation-dependent regulation of hepatic lipid metabolism
17:40	Yong Liu	Shanghai Institutes for Biological Sciences	China	The ER stress sensor IRE1a in starvation response and reparative regeneration

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