

KDA Energy Metabolism Research Group Conference 2025

November 28 (Fri), 2025

Suh Sung-Whan Research Hall, 1F, Center for Medical Innovation (CMI), Seoul National University Hospital, Seoul, Korea

Session 1. Adipose		Kyong Soo Park, Konkuk University, Korea
		Byung Chul Oh, Gachon University, Korea
09:20~09:40	Adipose tissue plasticity and metabolism	Jae Bum Kim, Seoul National University,
09:40~10:00	Mitochondrial stress in the adipose tissue promotes muscle mitochondrial adaptation independent of UCP1 thermogenesis	Eun Hee Koh, University of Ulsan, Korea
10:00~10:20	Adipose tissue lipid remodeling	Yun-Hee Lee, Seoul National University, College of Pharmacy , Korea
10:20~10:40	Noncanonical beta-adrenergic signaling regulates thermogenic lipid utilization	skwnddp
10:40~11:00	Panel discussion	Kae Won Cho, Soonchunhyang University, Seung-Soon Im, Keimyung University, Korea
11:10~11:20	Break	
Special Lecture		Sung Hee Choi, Seoul National University,
11:20~12:10	Linking white adipose tissue to cardiometabolic disease	Mikael Ryden, Karolinska Institutet, Sweden
12:10~13:30	Lunch	
Session 2. Beta cell & Incretin		Minho Shong, KAIST, Korea
		Hail Kim, KAIST, Korea
13:30~13:50	Lipid metabolism in β -cell differentiation	Shugo Sasaki, The University of Osaka, Japan
13:50~14:10	Decoding diabetes with human genetics and pluripotent stem cells	Kihyun Lee, Ewha Womans University, College of Pharmacy, Korea
14:10~14:30	Characterizing β -cell failure in post-transplantation diabetes	Joonyub Lee, The Catholic University of Korea, Korea
14:30~14:50	Panel discussion	Obin Kwon, Seoul National University, Korea Hyeongseok Kim, Chungnam National University, Korea
14:50~15:10	Break	
Session 3. Liver, muscle		In-Kyu Lee, Kyungpook National University, Korea
		Min-Seon Kim, University of Ulsan, Korea
15:10~15:30	Hepatic sexual dimorphism driven by lipid metabolism	Mashito Sakai, Nippon Medical School, Department of Biochemistry and Molecular Biology, Japan
15:30~15:50	Bariatric lipid metabolites identified in patients who underwent sleeve gastrectomy exhibit anti-adipogenic actions	Dae Ho Lee, Gachon University, Korea
15:50~16:10	Uncovering mechanisms and therapeutic opportunities in MASH-driven fibrosis	KyeongJin Kim, Inha University, Korea
16:10~16:30	Short-chain fatty acids in shaping hepatic metabolism and their physiological relevance	Dongwook Choi, Korea University, Korea
16:30~16:50	Panel discussion	Yong-ho Lee, Yonsei University, Korea Jae-Han Jeon, Kyungpook National University, Korea