

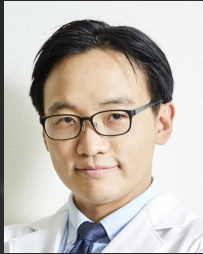
Neural Control of Reward, Homeostasis and Metabolism in Obesity and Diabetes

September 6th (Sunday), 09:35-11:30

Room 103-104, Daejeon Convention Center, Daejeon, Korea

Registration KSBNS2026.org

Organizer



Hyung Jin Choi, M.D., Ph.D.

Department of Brain and Cognitive Sciences, Anatomy and Cell Biology, Seoul National University, Korea

He is committed to advancing our understanding of the neural circuit mechanisms underlying motivated behaviors. His primary focus has been on the regulation of eating behavior, approached from both evolutionary biology and clinical medicine perspectives. As securing energy is fundamental to survival, his experience as an endocrinologist has highlighted the role of excessive eating drives in major health issues such as obesity, diabetes, and cardiovascular disease.

Speakers



Christian Lüscher, M.D., Ph.D.

*Faculty of Medicine, Department of Basic Neurosciences, Geneva University, Switzerland
"The synaptic basis of overeating"*

Christian Lüscher demonstrated that addictive drugs and natural rewards such as food converge on shared dopamine-circuit mechanisms by inducing and reversibly controlling synaptic plasticity in defined neural pathways, thereby linking motivation, feeding, and addiction at a causal circuit level



Min-Seon Kim, M.D., Ph.D. (Co-Organizer)

*Asan Medical Center, University of Ulsan College of Medicine
"Impacts of hypothalamic mitochondria stress on metabolic health"*

Dr. Min-Seon Kim is a physician-scientist and Professor of Endocrinology at the University of Ulsan College of Medicine whose work integrates endocrinology, neuroscience, and molecular metabolism to elucidate central mechanisms governing energy homeostasis and metabolic disease. Her research has advanced understanding of hypothalamic control of feeding, glucose metabolism, and neuro-immune interactions, identifying circuit- and organelle-specific pathways that link obesity and diabetes to brain dysfunction.



Obin Kwon, M.D., Ph.D.

*Department of Biomedical Sciences, Seoul National University College of Medicine
"Retrosplenial cortex vulnerability links severe hypoglycemia to cognitive impairment through neuron-microglia crosstalk"*

He is a physician-scientist whose research integrates endocrinology, neuroscience, and biochemistry to study metabolic homeostasis and brain dysfunction in diabetes and obesity. His recent work has advanced our understanding of how neural and immune pathways contribute to hypoglycemia-induced brain injury and cognitive dysfunction, identifying new region-specific therapeutic targets for diabetes-related brain complications.



Haemin Chon, M.D., Ph.D.

*Clinical Translational Research Team / Vice President, Hanmi Pharmaceuticals
"Evolution of GLP-1 therapeutics from mono to triple with expanding therapeutic potentials"*

With background experiences in clinical neurosurgery and basic biological research, he devotes himself as translational researcher in pharmaceutical industry. Leveraging multiple omics data and bioinformatic techniques, he develops solutions for efficient and successful innovative drug development. Interested disease area encompasses metabolic diseases, cancers, neurodegenerative diseases, and aging.