

# 2019 KAIST-KU Joint Symposium

The 6th IROAST/IRCMS Joint Seminar



Nov 11(Mon.), 2019

Matrix Hall, KI Bldg.(E4), KAIST

Time	Talk Title	Speaker (Affiliation)
<b>Session I - Genomics and Epigenomics</b>		
10:00-10:05	Opening Remarks	Yong-Mahn Han (KAIST)
10:05-10:30	Single genome sequencing of normal cells reveals developmental trees of early human embryogenesis	Young Seok Ju (KAIST)
10:30-10:55	Gastric CAFs maintain SASP through epigenetic histone modification and enhance peritoneal metastasis	Takatsugu Ishimoto (KU-IRCMS)
10:55-11:20	3D chromatin structure in complex human disease	Inkyung Jung (KAIST)
11:20-11:45	Target Specific Delivery of miRNA nanocargo for EGFR triple positive breast cancer	Ruda Lee (KU-IROAST)
11:45-13:00	Lunch Break	
<b>Session II – Stem Cells and Inflammation</b>		
13:00-13:25	Aspartate synthesis pathways in hematopoietic stem cell divisions	Terumasa Umemoto (KU-IRCMS)
13:25-13:50	Intestinal Immune System, Microbiota and Metabolic Homeostasis	You-Me Kim (KAIST)
13:50-14:15	Microbial signal regulates crosstalk between bone marrow and other organs in early hematopoiesis	Yoshikazu Hayashi (KU-IRCMS)
14:15-14:40	Elucidating the cellular and molecular regulation of epidermal stem cell dynamics: from homeostasis to aging	Aiko Sada (KU-IRCMS)
14:40-14:55	Coffee Break	
<b>Session III – New Avenues for Biomedical Science</b>		
14:55-15:20	Study on neuronal development using human pluripotent stem cells	Jinju Han (KAIST)
15:20-15:45	Activity-dependent neuronal circuit formation in the cerebral cortex	Hidenobu Mizuno (KU-IRCMS)
15:45-16:10	Deciphering the neural epitranscriptome using mouse and human organoid models	Ki-Jun Yoon (KAIST)
16:10-16:35	Expansion microscopy and related techniques: principles and applications	Jae-Byum Chang (KAIST)
16:35-16:50	Engineering mechanical properties of biological tissues for large-scale molecular phenotyping	Taeyun Ku (KAIST)
16:50-17:00	Short Break	

Time	Talk Title	Speaker (Affiliation)
<b>Session IV – Tissue Formation and Maintenance</b>		
17:00-17:25	Blood flow-dependent biomechanical control of angiogenesis	Koichi Nishiyama (KU-IRCMS)
17:25-17:50	Adipose tissue maintenance and dedifferentiation	Jae Myoung Suh (KAIST)
17:50-18:15	Ketone body metabolism - it's relation to health and disease -	Yuichiro Arima (KU-IRCMS)
18:15-18:30	Closing Remarks & Group Photo	Injune Kim (KAIST)

Nov 12(Tue.), 2019

Emerald Hall, Ramada Hotel Daejeon

Time	Talk Title	Speaker (Affiliation)
<b>Session V – Young Scientists Session</b>		
10:00-10:12	Dll4-Notch signaling maintains arterial barrier homeostasis against hypertensive stress	Jee Myung Yang (KAIST)
10:12-10:24	Hematopoietic hierarchy formation in the fetal liver	Tomomasa Yokomizo (KU-IRCMS)
10:24-10:36	Mitochondrial DNA mutations in autistic disorder	Ryul Kim (KAIST)
10:36-10:48	On-chip 3D biomimetic model to investigate vital phenomena with vascular and interstitial flow	Sanshiro Hanada (KU-IRCMS)
10:48-11:00	In vivo brain imaging of neuroinflammatory condition	Jingu Lee (KAIST)
11:00-11:12	Bio-inspired and bio-mimetic strategy: A platelet-like drug delivery system for cancer therapy	Minwoo Kim (KU-IROAST)
11:12-11:24	Identification of hepatic secretory proteins using in vivo proximity labeling	Kwang-eun Kim (KAIST)
11:24-11:30	Closing Remarks & Group Photo	

