

# Advancement of STOmics and Single Cell Technologies Forum 2024

THURSDAY, MAY 30 | Shiran-kaikan, Kyoto, Japan

## About the event

STOmics and Single-cell genomic technologies continue to develop at pace, generating new insights into cellular diversity within living systems. This event aims to unite researchers interested in applying single-cell technologies across a wide range of with experts in the field. Supported by ASHBI Kyoto University.

## Topics including

- iPS and organoid differentiation
- Epigenetic profiling
- Multi-OMIC expression at single-cell resolution
- Single-Cell and spatial biology field
- New product Lanuch: Single-Cell&STOmics

## Chairs



**Prof. Cantas Alev**  
Kyoto University



**Prof. Miguel A. Esteban**  
BGI Research



**Associate Prof. Taro Tsujimura**  
Kyoto University

## Confirmed speakers



**Dr. Akinori Kanai**  
The University of Tokyo



**Dr. Ankur Sharma**  
Harry Perkins Institute of Medical Research



**Prof. Chenfei Wang**  
Tongji University



**Prof. Jae-Hoon Choi**  
Hanyang University



**Assistant Prof. Lynn Yap**  
Nanyang Technological University



**Associate Prof. Ong Choon Kiat**  
Duke-NUS Medical School  
National Cancer Centre  
Singapore (NCCS)



**Prof. Yasuhiro Murakawa**  
Kyoto University



**Assistant prof. Shigeyuki Shichino**  
Tokyo University of Science



**Dr. Siyoung Lee**  
Geninus



**Associate Prof. Yen Choo**  
Nanyang Technological University

# Advancement of STOmics and Single Cell Technologies Forum 2024

**Venue** Shiran-kaikan, Kyoto, Japan

**Time** 9:00-19:00 | Thursday, May 30, 2024



Scan here for registration

**9:00-9:30**

Registration

**9:30-9:40**

**Welcome Speech**

Dr. Taro Tsujimura, Kyoto University

**9:40-10:10**

**From conception to the infinite**

Prof. Miguel A. Esteban, BGI Research, China

**10:10-10:40**

**Spatially resolved full-length RNA sequencing at single-cell resolution**

Prof. Yasuhiro Murakawa, Kyoto University

**10:40-11:00**

**Coffee Break**

**11:00-11:30**

**Single-cell landscape of idiopathic Multicentric Castleman Disease in identical twins**

Prof. Ong Choon Kiat, National Cancer Centre Singapore, Singapore

**11:30-12:00**

**Reconstruction of single-cell and spatial multi-omics for enhanced understanding of cell identities and disease phenotypes**

Prof. Chenfei Wang, Tongji University, China

**12:00-13:30**

**Luncheon seminar**

**Discover the power of MGI's multiple beads end-to-end single cell technology and groundbreaking publications**

Dr. John Yu, MGI

**Stereo-seq OMNI: Harnessing Whole Transcriptome Information from FFPE Samples for Nanoscale Spatial Discoveries**

Tibby Duan, STOmics

**13:30-14:00**

**Spatial transcriptome analysis of Lung Cancer using STOmics**

Dr. Akinori Kanai, The University of Tokyo, Japan

**14:00-14:30**

**Use of single-cell transcriptomics and combinatorial screening technologies to discover transcription factor cocktails for cell fate reprogramming/engineering**

Associate Prof. Yen Choo, Lee Kong Chian School of Medicine, Singapore

**14:30-15:00**

**Unveiling the pathogenesis of atherosclerosis using transcriptome analysis**

Prof. Jae-Hoon Choi, Hanyang University, Korea

**15:00-15:30**

**Understanding the Embryonic Origins of Cancers**

Dr. Ankur Sharma, Harry Perkins Institute of Medical Research, Australia

**15:30-16:00**

**Coffee Break**

**16:00-16:30**

**Elucidating the Mechanism of Laminin-221 in Stem Cell Differentiation Towards Cardiac Lineages using MGI DNBelab C4 Single-cell Sequencing Technology**

Dr. Lynn Yap, Nanyang Technological University, Singapore

**16:30-17:00**

**Advances in spatial transcriptomics technology from micro scale to nano scale**

Dr. Siyoung Lee, Geninus, Korea

**17:00-17:30**

**Development of STOmics+TAS-Seq method for highly-sensitive, unbiased spatial transcriptomics**

Prof. Shigeyuki Shichino, Tokyo University of Science, Japan

**17:30-19:00**

**Networking and Party**