



## 1<sup>st</sup> ASHBi SignAC Workshop 2021 Program

Date & Time: 11:00–18:00(JST) on Friday, 19 February 2021

Venue: Zoom Online Meeting\*

### Opening Remarks

11:00-11:05 **Takuya Yamamoto**, ASHBi, Kyoto University

### Session 1: Technological development (Chair: Takuya Yamamoto, ASHBi)

- 11:05-11:30 **Fumihito Miura**, Kyushu University  
Overlaying multiple epigenomes on the methylome
- 11:30-11:55 **Yasuyuki Ohkawa**, Kyushu University  
Development of chromatin integration labeling toward spatial multi-omics
- 11:55-12:20 **Yasuhiro Murakawa**, ASHBi, Kyoto University  
Decoding functional DNA elements in the human genome
- 12:20-13:30 Lunch Break

### Session 2: 3D genomes (Chair: Fumitaka Inoue, ASHBi)

- 13:30-13:55 **Taro Tsujimura**, ASHBi, Kyoto University  
Regulation of gene activation by long-range enhancers
- 13:55-14:20 **Saori Takahashi**, RIKEN BDR  
Prediction of the 3D genome organization by single-cell replication sequencing during embryonic development
- 14:20-14:45 **Takashi Fukaya**, The University of Tokyo  
Transcription dynamics in living Drosophila embryos
- 14:45-15:15 Break

### Session 3: Interdisciplinary research (Chair: Ryo Yamamoto, ASHBi)

- 15:15-15:40 **Tomonori Nakamura**, ASHBi/Hakubi Center, Kyoto University  
Identifying cells hidden by curse of dimensionality
- 15:40-16:05 **Sadao Ota**, The University of Tokyo  
Networked measurement technologies: Ghost cytometry and beyond
- 16:05-16:30 **Hiroko Bannai**, Waseda University  
What molecular behavior tells us about brain? –Physiology and pathology of neurons revealed by single-molecule imaging
- 16:30-17:00 Break

### Plenary Lecture (Chair: Mitinori Saitou, ASHBi)

- 17:00-18:00 **Rickard Sandberg**, Karolinska Institute  
High-content scRNA-seq for cellular atlases and transcriptional dynamics investigations

### Closing Remarks

18:00-18:05 **Mitinori Saitou**, ASHBi, Kyoto University

### Social Interaction

18:05-19:00 Held at Spatial Chat