

# RIKEN Center for Integrative Medical Sciences (IMS) Symposium

## Integrating Data Science into Medical Science

### Program

#### 17 January 2023

- 10:30am Opening Remarks: Kohei Miyazono (Executive Director, RIKEN)
- 10:35am Guest Greetings: National Healthcare Policy Secretariat, Cabinet Office, Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan Agency for Medical Research and Development (AMED)
- 11:00am Lecture by Center Director: Data-driven functional analysis of human lymphocytes  
Kazuhiko Yamamoto (Director / Team Leader, Laboratory for Autoimmune Diseases, RIKEN IMS)
- 11:30am Immune system variation induced by genetic risk of autoimmunity  
Kazuyoshi Ishigaki (Team Leader, Laboratory for Human Immunogenetics, RIKEN IMS)
- 12:00pm Statistical genetics elucidates biology, drug discovery, and medicine of human diseases  
Yukinori Okada (Team Leader, Laboratory for Systems Genetics, RIKEN IMS)
- <<<<< Lunch Break (12:30-1:30pm) >>>>>
- 1:30pm Invited Lecture: A Decade of Molecular Cell Atlases  
Stephen Quake (Professor, Stanford University / Head of Science, Chan Zuckerberg Initiative)
- 2:15pm A single-cell atlas of transcribed cis-regulatory elements revealed disease associated regulatory modules in distinct cell populations  
Chung Chau Hon (Team Leader, Laboratory for Genome Information Analysis, RIKEN IMS)
- 2:45pm Invited Lecture: 3D context analysis of multicellular systems by CUBIC cell-omics technology  
Etsuo A. Susaki (Professor, Juntendo University Graduate School of Medicine)
- <<<<< Break (3:15-3:30pm) >>>>>
- 3:30pm Invited Lecture: Linking common and rare disease through functional genomics and gene regulatory networks  
Lude Franke (Professor, University of Groningen)
- 4:15pm Atopic Dermatitis: Disease models and human patients  
Haruhiko Koseki (Deputy Director / Team Leader, Laboratory for Developmental Genetics, RIKEN IMS)
- 4:45pm Gut microbiota and diseases  
Hiroshi Ohno (Deputy Director / Team Leader, Laboratory for Intestinal Ecosystem, RIKEN IMS)
- 5:15pm Closing Remarks: Kazuhiko Yamamoto (Director, RIKEN IMS)