

The 21st IRCMS Symposium on [\\* Please register for free via QR code](#)

# The Dynamics and Development of Normal and Malignant Hematopoietic Stem Cells

Date & Time : 13:00-17:40 (JST), 20<sup>th</sup> February 2024

9:00-12:20 (JST), 21<sup>st</sup> February 2024



Venue : Onsite and Online (IRCMS Lounge, Kumamoto University and Zoom)

**Organized by Goro Sashida**

Supported by Ryunosuke Naito, Yuki Yoshioka, Mai Matsushita, Doi Nazuki and Nanako Watanabe

## **SPEAKERS:**

Yuichiro Arima (Kumamoto University)  
Nariko Arimura (Tohoku University)  
Takayuki Hoshii (Chiba University)  
Atsushi Iwama (University of Tokyo)  
Makoto Makishima (Nihon University)  
Kenichi Miharada (Kumamoto University)  
Satoru Miyagi (Shimane University)  
Goro Sashida (Kumamoto University)  
Yorifumi Sato (Kumamoto University)  
Toshio Suda (Kumamoto University)  
Hitoshi Takizawa (Kumamoto University)  
Takanori Teshima (Hokkaido University)  
Hannah Uckelmann (Goethe University Frankfurt)  
Satoshi Yamazaki (University of Tokyo)  
Junichiro Yasunaga (Kumamoto University)

## **Contact:**

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**Opening Remarks**      **Goro Sashida (IRCMS, Kumamoto University)**      13:00-13:05

**Session I (13:05-14:30, 20<sup>th</sup> February)**

**Takayuki Hoshii**      The SETD1B catalytic domain regulates H3K4me3 breadth and MYC expression in MLL-rearranged leukemia      13:05-13:30  
Chiba University

**Keynote**

**Hannah Uckelmann**      Targeting epigenetic vulnerabilities in acute myeloid leukemia      13:30-14:30  
Goethe University Frankfurt

Break (14:30-14:55)

**Session II (14:55-16:05 20<sup>th</sup> February)**

**Toshio Suda**      Self-Renew Activity of Aging Hematopoietic Stem Cells      14:55-15:15  
Kumamoto University

**Satoshi Yamazaki**      Establishment of absolute quantitative competitive hematopoietic stem cell function evaluation using X chromosome activation system      15:15-15:40  
University of Tokyo

**Atsushi Iwama**      Targeting Hippo pathway in bone marrow niche promotes hematopoietic regeneration      15:40-16:05  
University of Tokyo

Break (16:05-16:30)

**Session III (17:00-17:45, 20<sup>th</sup> February)**

**Satoru Miyagi**      Role of CUL4-RING E3 ubiquitin ligase complex in HSC fitness and hematopoiesis      16:30-16:55  
Shimane University

**Goro Sashida**      Trisomy21 represses expression of PRC2 targets and impairs differentiation program in HSC      16:55-17:15  
Kumamoto University

**Nariko Arimura**      From Marrow to Memory: Tracing Dementia Onset using Down Syndrome Model Mice      17:15-17:40  
Tohoku University

**Session IV (9:00-10:30, 21<sup>st</sup> February)**

**Makoto Makishima**      Regulation of hepatic immune cells by the oxysterol receptors, LXRs      9:00-9:25  
Nihon University

**Kenichi Miharada**      Disruption of maternal bile acid metabolism causes non-fetal-autonomous developmental defect      9:25-9:45  
Kumamoto University

**Yuichiro Arima**      Protective Effects and Therapeutic Applications of Ketone Body Metabolism in Liver      9:45-10:05  
Kumamoto University

Break (10:05-10:25)

**Session V (10:25- 11:05, 21<sup>st</sup> February)**

**Yorifumi Sato**      A human retrovirus inserts ectopic CTCF-binding site and enhancer into the host human genome, thereby inducing aberrant host gene transcription both in cis and in trans      10:25-10:45  
Kumamoto University

**Junichiro Yasunaga**      Coding and non-coding functions of HTLV-1 bZIP factor gene in the oncogenesis of adult T-cell leukemia-lymphoma      10:45-11:05  
Kumamoto University

Break (11:05-11:25)

**Session VI (11:25-12:15, 21<sup>st</sup> February)**

**Hitoshi Takizawa**      Microbial signal-regulated hematopoietic stem cell function      11:05-11:45  
Kumamoto University

**Takanori Teshima**      Alloreactive T-cell targets tissue stem cells and impairs tissue homeostasis in GVHD after allogeneic stem cell transplantation      11:45-12:15  
Hokkaido University

**Closing Remarks**      **Hitoshi Takizawa (IRCMS, Kumamoto University)**      12:15-12:20