

IMSUT, International Joint Usage/Research Center-Young Researchers Symposium

Epigenetics in Early Mammalian Development

Tuesday, 15 March, 2022 (all times in JST)

13:00-13:10 Opening Remarks

Yuji Yamanashi (Dean, IMSUT)

13:10-14:00 Session 1

Chair: Toshihiro Kobayashi

Yasuhiro Takashima (CiRA, Kyoto University)

Modeling in vitro embryonic development using naive human pluripotent stem cells

Yasuhide Ohinata (Chiba University)

Establishment of mouse primitive endoderm stem cells

14:00-14:40 Lecture

Chair: Toshihiro Kobayashi

Miguel Esteban (Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences)

Generation and characterization of 8-cell embryo-like cells

14:40-14:55 Break

14:55-16:10 Session 2

Chair: Yasuhiro Takashima

Toshihiro Kobayashi (IMSUT)

In vitro reconstitution of germline development in rats

Tomonori Nakamura (Kyoto University)

High-resolution scRNA-seq analysis of primate embryogenesis by a novel noise reduction method, "RECODE"

Azusa Inoue (RIKEN)

Maternal epigenetic inheritance by Polycomb repressive complexes

16:10-16:25 Break

16:25-17:15 Special lecture

Chair: Azusa Inoue

Alex Meissner (Max Planck Institute for Molecular Genetics)

Mechanisms of epigenetic regulation in early development and disease

17:15 Closing Remarks