



The Institute of Medical Science
The University of Tokyo

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INTERNATIONAL JOINT USAGE/RESEARCH
CENTER-YOUNG RESEARCHERS SYMPOSIUM

Epigenetics in Early Mammalian Development

MARCH 15TH, 2022
13:00-17:30 (JST)

HYBRID
ZOOM+AUDITORIUM@IMSUT
FREE ADMISSION

SPECIAL LECTURE

ALEX MEISSNER

MAX PLANCK INSTITUTE FOR MOLECULAR GENETICS

LECTURE

MIGUEL ESTEBAN

GUANGZHOU INSTITUTES OF BIOMEDICINE AND HEALTH, CAS

SPEAKERS

AZUSA INOUE (RIKEN)

TOSHIHIRO KOBAYASHI (IMSUT)

TOMONORI NAKAMURA (KYOTO UNIVERSITY)

YASUHIDE OHINATA (CHIBA UNIVERSITY)

YASUHIRO TAKASHIMA (CiRA, KYOTO UNIVERSITY)



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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)

TBA

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