

## Thursday, March 19 (Day 1)

8:45-9:30 Registration

### Opening Remarks

9:30-9:45 Mitinori Saitou

---

### Session 1 Evolutionary mechanisms (Chair: Mitinori Saitou)

---

- 9:45-10:15 S1-1  
**The regulatory and cellular evolution of human organs - a mammalian perspective**  
Henrik Kaessmann (Center for Molecular Biology of Heidelberg University)
- 10:15-10:45 S1-2  
**Using metatherians to understand conserved principles of mammalian development and X-dosage compensation**  
James Turner (The Francis Crick Institute)
- 10:45-11:15 S1-3  
**X chromosome inactivation in human**  
Claire Rougeulle (Department of Epigenetics and Cell Fate; CNRS/Université de Paris)
- 11:15-11:40 Break
- 11:40-11:55 S1-4\*  
**Human-specific transcribed enhancers associated with diseases and traits**  
Yasuhiro Murakawa (RIKEN)
- 11:55-12:25 S1-5  
**Local adaptation in humans: from genomic patterns to individual cases**  
Aida Andres (University College London)
- 12:25-12:55 S1-6  
**What ancient humans can teach us about modern genetic variation**  
Janet Kelso (Max Planck Institute for Evolutionary Anthropology)

---

12:55-13:45 Lunch

---

13:45-14:55 Poster Session 1

---

---

### Session 2 Organoid biology/Cancer genome (Chair: Motoko Yanagita)

---

- 14:55-15:10 S2-1\*  
**Towards reconstituting human somitogenesis in vitro**  
Cantas Alev (Kyoto University/ASHBi)
- 15:10-15:40 S2-2  
**Organoid-based analysis of human kidney development and disease**  
Ryuichi Nishinakamura (Institute of Molecular Embryology and Genetics, Kumamoto University)
- 15:40-16:10 S2-3  
**Three Dimensional Models of Human Pancreas Organogenesis to Understand Diabetes**  
Anne Grapin-Botton (University of Copenhagen and MPI-CBG)
- 16:10-16:35 Break
- 16:35-17:05 S2-4  
**Regenerative landscape of intestinal organoid development**  
Prisca Liberali (Friedrich Miescher Institute for Biomedical Research)
- 17:05-17:35 S2-5  
**Understanding of gastrointestinal diseases using organoid technology**  
Toshiro Sato (Keio University School of Medicine)
- 17:35-18:05 S2-6  
**Remodeling of normal and inflamed colorectal epithelium**  
Seishi Ogawa (Kyoto University/ASHBi)
- 18:05-18:30 Break
- 
- 18:30-20:00 Reception
-

## Friday, March 20 (Day 2)

---

Session 3 Development/Neural development (Chair: Tadashi Isa)

---

- 9:30-10:00 S3-1  
**Self-organisation in mammalian development**  
Takashi Hiiragi (European Molecular Biology Laboratory/ASHBi)
- 10:00-10:30 S3-2  
**About time: controlling the pace of human development**  
James Briscoe (The Francis Crick Institute)
- 10:30-10:45 S3-3\*  
**Coupling delay controls synchronized oscillation in the segmentation clock**  
Kumiko Yoshioka-Kobayashi (Kyoto University)
- 10:45-11:10 Break
- 11:10-11:40 S3-4  
**Regulation of active versus quiescent neural stem cells**  
Ryoichiro Kageyama (Kyoto University)
- 11:40-12:10 S3-5  
**Human cerebral organoid development through the lens of single-cell genomics**  
J. Gray Camp (Institute of Molecular and Clinical Ophthalmology Basel)
- 12:10-12:40 S3-6  
**Molecular genetics of human brain development and evolution**  
Christopher Walsh (Harvard Medical School)
- 
- 12:40-13:30 Lunch
- 
- 13:30-14:40 Poster Session 2
- 

---

Session 4 Germ cells: Genetic and epigenetic regulation (Chair: James Turner)

---

- 14:40-15:10 S4-1  
**Advanced research for reconstitution and understanding of the female germline development**  
Katsuhiko Hayashi (Kyushu University)
- 15:10-15:40 S4-2  
**The Human Germline**  
Azim Surani (Wellcome Trust/CRUK Gurdon Institute, University of Cambridge)
- 15:40-15:55 S4-3\*  
**In vitro human peri-implantation development using naïve pluripotent stem cells**  
Yasuhiro Takashima (Kyoto University)
- 15:55-16:20 Break
- 16:20-16:50 S4-4  
**Transposon repression and environmental sensing in fetal germ cells**  
Diana Laird (University of California, San Francisco)
- 16:50-17:20 S4-5  
**De novo mutations in the human genome**  
Anne Goriely (University of Oxford)
- 17:20-17:50 S4-6  
**Mechanism and Reconstitution In Vitro of Mammalian Germ Cell Development**  
Mitinori Saitou (Kyoto University/ASHBi)
- Closing Remarks
- 17:50-18:00 Davor Solter
- 
- 19:00-21:00 Speaker dinner
-