

## Institute for the Advanced Study of Human Biology (ASHBi)

### Kyoto University

### Kick-off Symposium Program

Date & Time: March 11, 2019, Monday 9:30 - 18:00

Venue: Kyoto University, Shirankaikan

Conference: Inamori Hall Reception: Yamauchi Hall



#### Program Outline:

The Advanced Study of Human Biology (ASHBi), Kyoto University, was established in October, 2018 based upon the proposal accepted for the World Premier International Research Center Initiative by MEXT/JSPS. The mission of ASHBi is to elucidate the design principles of human traits, including disease states, using multidisciplinary integrative strategies and to create a foundation of knowledge for developing innovative therapies.

At the Kick-off Symposium for ASHBi, Director Mitinori Saitou will give the opening address to announce the Institute's research focus and approach. His speech will be followed by presentations from each of the Principal Investigators/prospective collaborator introducing their aim, as well as outlining their own research. This message is the first public announcement of the inauguration of ASHBi with the aim of enhancing our research activities in public eye.

#### 9:00 Registration

#### 9:30 - 10:20 Opening Remarks, Guest Speech, ASHBi Introduction

##### Opening Remarks

**YAMAGIWA, Juichi** (President, Kyoto University)

**MORI, Shigefumi** (Director-General, Kyoto University Institute for Advanced Study)

##### Guest Speech

**KANEKO, Tadatoshi** (Director of Office for Basic Research Projects, MEXT)

**UKAWA, Akira** (WPI Program Director, JSPS)

##### ASHBi Introduction

**SAITOU, Mitinori** (Director of ASHBi)

#### 10:20 - 11:10 Session I (Chair Saitou)

1. **ISA, Tadashi** (Graduate School of Medicine, Kyoto University)  
"Evolution of fine motor control systems in higher primates"
2. **YANAGITA, Motoko** (Graduate School of Medicine, Kyoto University)  
"Mechanisms of kidney disease progression"

(All sessions, presentation 20minutes question time 5 minutes allotted)

#### 11:10 - 11:30 Break

**11:30 - 12:30 Session II (Chair Isa)**

1. **FERGUSON-SMITH, Anne C** (Head of Dept. of Genetics, University of Cambridge)  
Video Introduction
2. **EMA, Masatsugu** (Research Center for Animal Life Science, Shiga University of Medical Science)  
“Genome Engineering in Cynomolgus Monkeys for Human Disease Modeling”
3. **YAMAMOTO, Takuya** (Center for iPS Cell Research and Application, Kyoto University)  
“Multi-hierarchical regulatory systems in pluripotent stem cells”

12:30 - 14:00 Lunch Break

**14:00 - 15:40 Session III (Chair Yamamoto)**

1. **SAITOU, Mitinori** (Institute for the Advanced Study of Human Biology, Kyoto University)  
“Mechanism and Reconstitution In Vitro of Human Germ Cell Development”
2. **BOURQUE, Guillaume** (McGill University)  
“Using comparative epigenomics to better understand non-coding DNA”
3. **HIIRAGI, Takashi** (The European Molecular Biology Laboratory)  
“Organ size control”
4. **EIRAKU, Mototsugu** (Institute for Frontier Life and Medical Science, Kyoto University)  
“Self-organization in brain patterning and morphogenesis”

15:40 - 16:10 Break

**16:10 - 17:50 Session IV (Chair Yanagita)**

1. **HIRAOKA, Yasuaki** (Kyoto University Institute for Advanced Study)  
“Topological data analysis toward human biology”
2. **OGAWA, Seishi** (Graduate School of Medicine, Kyoto University)  
“On the Origin of Human Cancer”
3. **UENO, Hideki** (Icahn School of Medicine at Mount Sinai)  
“Immune Cells in Aging, Tissues, and Species (ICATS)”
4. **FUJITA, Misao** (Center for iPS Cell Research and Application, Kyoto University)  
“How bioethicists can work with you”

**17:50 - 18:00 Closing Remarks**

**MINATO, Nagahiro** (Provost, Executive Director/Executive Vice President, Kyoto University)

18:00 - 20:00 Reception\*

\*1,000 yen will be collected at the registration desk