

Scientific Program

13 15 – 13 30 Registration and Arrival of Guests

13 30 – 13 40 Welcome Address:

Yoshiaki ITO

Professor, Cancer Science Institute of Singapore, Singapore

SESSION 1: Novel Platforms for Genome Science

Session Chairs:

Kazuhiko IGARASHI, *Tohoku University, Japan*

Lorenz POELLINGER, *Cancer Science Institute of Singapore, Singapore*

13 40 – 14 05 **Jun YASUDA**

Tohoku University, Japan

The Mission of Tohoku Medical Megabank (TOMMO)

14 05 – 14 30 **Richie SOONG**

Cancer Science Institute of Singapore, Singapore

The Centre for Translational Research and Diagnostics: Infrastructure for Stratified Medicine

14 30 – 14 55 **Melissa J. FULLWOOD**

Cancer Science Institute of Singapore, Yale-NUS, Singapore

Chromatin Interactions and Transcription

14 55 – 15 20 **Masao NAGASAKI**

Tohoku University, Japan

Data Management and Bioinformatics of High Throughput Sequencing Data on the Massive Parallel Supercomputer Environment

15 20 – 15 45 **TEO Yik Ying**

National University of Singapore, Singapore

Deep Whole Genome Sequencing of Populations in Singapore

15 45 – 16 00 **Tea Break**

SESSION 2: Genome Science and Human Diseases

Session Chairs:

Hideo HARIGAE, *Tohoku University, Japan*

CHNG Wee Joo, *Cancer Science Institute of Singapore, Singapore*

16 00 – 16 25 **Shigeo KURE**

Tohoku University, Japan

Identification of Moyamoya Disease Gene, RNF213

16 25 – 16 50 **ONG Sin Tiong**

Duke-NUS Graduate Medical School, Singapore

Genomic Factors Influencing Tyrosine Kinase Inhibitor Response in Cancer

- 16 50 – 17 10 **Seiichi MORI**
The Cancer Institute of Japanese Foundation of Cancer Research, Japan
Functional Genomics Identifies Molecular Targets and Pathways in a Transcriptomal Subtype with Unfavorable Prognosis in Epithelial Ovarian Cancer
- 17 10 – 17 35 **Keiko NAKAYAMA**
Tohoku University, Japan
Change of Trimethylation of H3K27 Occurs after Ras-mediated Transcriptional Regulation
- 17 35 – 18 00 **Masanobu SATAKE**
Tohoku University, Japan
Evolution of Vertebrate Tissues Driven by Differential Modes of Gene Duplication
- 18 00 – 18 10 Closing Address:
Keiko NAKAYAMA
Subleader of GCOE Program, Tohoku University, Japan