IWSG 2018

2018
International Workshop for Systems Genetics

HUMAN GENOME CENTER, THE INSTITUTE OF MEDICAL SCIENCE,
UNIVERSITY OF TOKYO, JAPAN

Program

Time	Program
8:30-9:00	**Registration**
9:00-9:10	**Opening Remark**
9:10-9:40	**Comprehensive identification of cis-acting slicing associated variants in human cancer** Yuichi Shiraishi (National Cancer Center)
9:40-10:10	**Enhancing power of association test in whole genome sequencing data by a Fuzzy Zoom-Focus Algorithm** Maggie Haitian Wang (The Chinese University of Hong Kong)
10:10-10:40	**Large-Scale Mediation Effect Signal Detection in Genome-wide Epigenetic Studies** Zhonghua Liu (The University of Hong Kong)
10:40-10:50	**Break** (10min)
10:50-11:20	**Inferring activity and targets of enhancers in single cells through single-cell enhancer RNA analyses** Haruka Ozaki (University of Tsukuba)
11:20-11:50	**Single-cell RNA-seq: Methods and Applications in Systems Biology** Angela Ruohao Wu (The Hong Kong University of Science and Technology)
11:50-12:20	**Development of methods for large-scale cancer immuno-genomic profiling**

	Rui Yamaguchi (The University of Tokyo)
12:20-13:40	**Lunch and networking** (80min)
13:40-14:10	**minialign: fast and accurate alignment tool for long reads** Hajime Suzuki (The University of Tokyo)
14:10-14:40	**Pattern Recognition in Genomics: DNA Motifs and CRISPPR-Cas9 Off-Target** KC Wong (City University of Honk Kong)
14:40-15:10	**Logicome Profiler: Detection of statistically significant logical triplet relationships based on Tarone's multiple testing correction.** Tsukasa Fukunaga (The University of Tokyo)
15:10-15:30	**Break** (20min)
15:30-16:00	**Batch Effects Correction with Unknown Subtypes** Yingying Wei (The Chinese University of Hong Kong)
16:00-16:30	**High-throughput mapping of brain-wide activity in awake and drug-responsive vertebrates.** Xin Wang (City University of Honk Kong)
16:30-17:00	**Comprehensive Framework for Evolutionary Simulation of Intratumor Heterogeneity** Watal M. Iwasaki (The Graduate University for Advanced Studies)
17:00-17:30	**A temporal shift of the evolutionary principle shaping intratumor heterogeneity in colorectal cancer** Atsushi Niida (The University of Tokyo)
17:30-	**Concluding Remark**