

The 35th Sapporo International Cancer Symposium

Theme: "Cancer epigenome: from discovery to translation"

Date: June 24–25, 2016

Venue: Royton Sapporo, Sapporo, Japan

Organizer (*Chairperson):

Toshikazu Ushijima* (National Cancer Center Research Institute, Japan)

Yutaka Kondo (Nagoya City University, Japan)

Hiromu Suzuki (Sapporo Medical University, Japan)

Takashi Tokino (Sapporo Medical University, Japan)

Program

Welcoming Remarks

Hiroshi Kobayashi (Sapporo Cancer Seminar Foundation, Japan)

Opening Remarks

Toshikazu Ushijima (National Cancer Center Research Institute, Japan)

Session 1: Clinical applications of epigenetic alterations

Chairperson: Hiromu Suzuki (Sapporo Medical University, Japan)

Mechanisms of Sensitivity and Resistance to Epigenetic Therapies

Mark Dawson (Peter MacCallum Cancer Centre & University of Melbourne, Australia)

Targeting Lysine Demethylases for Cancer Therapy

Takayoshi Suzuki (Kyoto Prefectural University of Medicine, Japan)

Assessment of Methylation and Mutation Burdens Provides Precision Cancer Risk Diagnosis

Toshikazu Ushijima (National Cancer Center Research Institute, Japan)

Session 2: Non-coding RNA

Chairperson: Makoto Nakanishi (The University of Tokyo, Japan)

Inhibition of Histone Deacetylase Induces miRNA-mediated Androgen Receptor Suppression in Prostate Cancer

Yutaka Kondo (Nagoya City University, Japan)

miRNAs Involved in LY6K and Estrogen Receptor a Contribute to Tamoxifen-susceptibility in Breast Cancer

Jong Hoon Park (Sookmyung Women's University, Korea)

Luncheon Seminar Sponsored by Analytik JenaAG

Session 3: Dysregulation of epigenetic modifiers (1)

Chairperson: Yutaka Kondo (Nagoya City University, Japan)

EZH2 Is a Potential Therapeutic Target for H3K27M Mutant Pediatric Gliomas

Kristian Helin (University of Copenhagen, Denmark)

The Histone Methyltransferase SMYD3 Regulates the AKT Pathway in Human Cancer

Ryuji Hamamoto (National Cancer Center Research Institute, Japan)

BET Inhibition Remodels Tumor Stroma and Suppresses Progression of Human Pancreatic Cancer

Keisuke Yamamoto (The University of Tokyo, Japan)

Session 4: DNA methylation (1)

Chairperson: Takehiko Kamijo (Saitama Cancer Center, Japan)

Methylation Profiling of Hepatocellular Carcinoma

Hiroyuki Aburatani (The University of Tokyo, Japan)

Enhancer Alterations in Hepatocellular Carcinoma

Alfred Cheng (The Chinese University of Hong Kong, China)

Cell Type-specific Gene Expression Regulated by Intragenic CpG Islands

Young-Joon Kim (Yonsei University, Korea)

Session 5: Epigenetic plasticity

Chairperson: Hiroyuki Aburatani (The University of Tokyo, Japan)

Genomic-epigenomic Network in Tumor Development

Takehiko Kamijo (Saitama Cancer Center, Japan)

Oncogene Expression Stabilizes Cancer Cell Identity, Revealed by Cancer Cell Reprogramming

Katsunori Semi (Kyoto University, Japan)

CCL18 Signaling in Breast Tumor-associated Macrophages Fosters a Cancer-promoting Microenvironment

Erwei Song (Sun-Yat-Sen Memorial Hospital, China)

Session 6: DNA methylation (2)

Chairperson: Takashi Tokino (Sapporo Medical University, Japan)

Critical Roles of Aberrant DNA Methylation in Colorectal Tumorigenesis

Hiromu Suzuki (Sapporo Medical University, Japan)

Regulation of Maintenance DNA Methylation by Histone Ubiquitylation/Deubiquitylation Circuitry
Makoto Nakanishi (The University of Tokyo, Japan)

New Findings on Epigenetic Regulation of Repetitive Sequence Reveal Future Possible Clinical Applications in Cancer
Apiwat Mutirangura (Chulalongkorn University, Thailand)

Session 7: Dysregulation of epigenetic modifiers (2)

Chairperson: Toshikazu Ushijima (National Cancer Center Research Institute, Japan)

N-a-acetyltransferase 10 Protein in DNA Methylation, Cancer and Development
Li-Jung Juan (Academia Sinica, Taiwan)

Unraveling the Role of SWI/SNF Complex Mutations in Human Tumor Development
Bernard E. Weissman (University of North Carolina, USA)

Closing Remarks

Toshikazu Ushijima (National Cancer Center Research Institute, Japan)