

The 37th Sapporo International Cancer Symposium

Theme: Deciphering the complexity of cancer microenvironment

Date: July 17–19, 2018

Venue: Royton Sapporo Hotel, Sapporo, Hokkaido, Japan

Chairperson: Masanori Hatakeyama (The University of Tokyo, Japan)

Program

Opening address

Masanori Hatakeyama (The University of Tokyo, Japan)

Session 1. Microbial infection at the root of cancer

Hepatitis B virus infection to hepatocellular carcinoma—Viral proteins and integrated HBV DNA in carcinogenesis

Pei-Jer Chen (National Taiwan University, Taiwan China)

Strategy and pathogenesis of human T-cell leukemia virus type 1

Masao Matsuoka (Kumamoto University, Japan)

Regulation of gastric stem cells and their microenvironment during infection with *Helicobacter pylori*

Michael Sigal (Charité University Medicine, Germany)

A single amino-acid variation in *Helicobacter pylori* CagA impacts the global landscape of gastric cancer

Masanori Hatakeyama (The University of Tokyo, Japan)

Session 2. Microbiota in cancer risk

Multi-omics analysis for human gut microbiome along the colorectal adenoma-carcinoma

Takuji Yamada (Tokyo Institute of Technology, Japan)

Gut microbiota and liver cancer

Noriho Iida (Kanazawa University, Japan)

The tumor microbiome and its effect on chemoresistance

Ravid Straussman (The Weizmann Institute of Science, Israel)

Session 3. Cancer-predisposing inflammation

Genomic and epigenomic profiles of Asian endemic malignancies

Patrick Tan (Duke-NUS Medical School, Singapore)

Impact of dietary fat on cancer-predisposing luminal environment

Yuki Kawamura (National Center for Global Health and Medicine, Japan)

In vivo CRISPR screens for immunotherapy discovery

Robert Manguso (Dana-Farber Cancer Institute, USA)

Combined driver mutations for malignant progression of intestinal tumorigenesis

Masanobu Oshima (Kanazawa University, Japan)

Special Talk

Publishing: Myths and Legends

Zoltan Fehervari (Nature Immunology, Nature Research, UK)

Session 4. Senescence in carcinogenesis

Role of cellular senescence in carcinogenesis

Makoto Nakanishi (The University of Tokyo, Japan)

Cell competition between normal and transformed epithelial cells

Yasuyuki Fujita (Hokkaido University, Japan)

Anticancer mechanisms in long-lived rodents

Vera Gorbunova (University of Rochester, USA)

The role and the mechanism of SASP in tumor micro-environment of obesity-associated liver cancer

Naoko Ohtani (Osaka City University, Japan)

The evolutionary trade-off between tumor suppression and aging

Judith Campisi (Buck Institute for Research on Aging, USA)

Keynote Lecture

Therapeutic implications for the role of HMGB1 and other DAMPs in cancer and other diseases

Tadatsugu Taniguchi (The University of Tokyo, Japan)

Session 5. Targeting the tumor microenvironment for cancer therapy

Hippo pathway in cell growth, organ size, and tumorigenesis

Kun-Liang Guan (University of California San Diego, USA)

Mitochondrial protein mANT as a new innate regulator for genotoxic stress-induced inflammation signaling

Akinori Takaoka (Hokkaido University, Japan)

Searching for novel therapeutic approaches to Ras mutant cancers

Julian Downward (The Francis Crick Institute, UK)

Senescence-associated reprogramming into cancer stemness

Clemens A. Schmitt (Charité University Medicine, Germany)

Closing Remarks

Masanori Hatakeyama (The University of Tokyo, Japan)