

## 第 38 回 札幌国際がんシンポジウム

### 代表世話人

田中 伸哉氏(北海道大学医学研究院腫瘍病理学 教授)

日程:2019年7月11日(木)~13日(土)

### テーマ

Integrated Cancer Analysis : Sciences creates advanced diagnosis and therapies

プログラム → <http://patho2.med.hokudai.ac.jp/scs2019/>

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## The 38th Sapporo International Cancer Symposium

### Theme:

Integrated Cancer Analysis : Sciences creates advanced diagnosis and therapies

### Date :

July 11-13, 2019

### Venue:

Royton Sapporo Hotel, Sapporo, Hokkaido, Japan

### Chairperson:

Sinya Tanaka (Hokkaido University, Japan)

### Program

Opening address

Chair person, Prof. Shinya Tanaka (Hokkaido University, Japan)

Session 1: Advanced investigation of cancer basics

Intrinsically disordered signal integration platform proteins in cancer cells as novel targets?

Stephan M. Feller (Institute of Molecular Medicine, Germany)

Roles of epidermal growth factor–family proteins in cell growth and collective cell migration of epithelial cells

Michiyuki Matsuda (Kyoto Univ., Japan)

Integrating tyrosine phosphoproteomics and computational modeling in cancer

Bruce Mayer (University of Connecticut School of Medicine, USA)

A whole animal platform for generating novel anti–cancer drugs

Masahiro Sonoshita (Hokkaido Univ., Japan)

Dysregulation of cystathionine  $\gamma$ –lyase promotes prostate cancer progression and metastasis

Lu–Hai Wang (China Medical Univ., Taiwan)

Special lecture 1 : (Tumor heterogeneity–related topics)

Pharmacogenomic landscape of patient–derived tumor cells informs precision oncology therapy

Do–Hyun Nam (Samsung Medical Center, Korea)

Session 2: Microenvironment for cancer stem cells

The Role of YAP Oncogene in Metastasis and Mechano–medicine

Marius Sudol (National Univ. of Singapore, Singapore)

Engineered hydrogels for rapid induction of cancer stem cells

Shinya Tanaka (Hokkaido Univ., Japan)

The cell cycle machinery in proliferation, pluripotency and differentiation of mammalian stem cells

Lijun Liu (Northeastern University, China) Prof. Lijun Liu

Abnormalities of tumor endothelial cells and cancer progression

Kyoko Hida (Hokkaido Univ., Japan)

Special lecture 2 : (Cancer stem cell–related topics)

Cancer stem cells: targets for cancer eradication

Hideyuki Saya (Keio Univ., Japan)

### Session 3 Novel therapeutic and diagnostic strategies for human cancers

LncRNAs and germline SNPs for predicting outcome in gliomas

Anindya Dutta (Univ. of Virginia, USA)

Targeting phosphatidylserine and TAM receptors as a vulnerability in cancer

Raymond B. Birge (Cancer Institute of New Jersey, USA)

Novel immunodiagnostic and immunotherapeutic strategies targeting cancer stem cells

Toshihiko Torigoe (Sapporo Medical Univ., Japan)

ImmunoGenomics of diffuse-type gastric carcinoma

Shumpei Ishikawa (The Univ. of Tokyo, Japan)

### Special lecture 3:(Cancer genome-related topics)

Wnt Signaling in Liver Cancer

Hiroyuki Aburatani (The Univ. of Tokyo, Japan)

### Special session for gastric cancer

Gastric carcinogenesis driven by the Helicobacter pylori CagA oncoprotein

Masanori Hatakeyama (The Univ. of Tokyo, Japan) (Basic)

Effect of Helicobacter pylori eradication therapy on gastric cancer in Japan

Masahiro Asaka (Health Sciences Univ. of Hokkaido, Japan) (Clinical)

### Session 4 Advanced pathological technology and diagnosis

Machine learning and artificial intelligence (A.I.) in pathology: a novel approach to cancer analysis

Beatrice Knudsen (Cedars-Sinai Medical Center, USA)

The practice of pathological diagnosis using AI

Masahiko Kuroda (Tokyo Medical Univ., Japan)

“PleSSision”; a pathologist edited multigene genomic test promotes cancer precision medicine in Japan

Hiroshi Nishihara (Keio Univ., Japan)

Application of a High-throughput Functional Evaluation of Variants of Unknown

Significance to Personalized Medicine

Shinji Kohsaka (National Cancer Center Research Institute, Japan)

Conclusive and Perspective Talk

Pancreatic KRAS/TP53 oncogenes promote immune evasion via activating eIF4A/4E-dependent translation and protein prenylation

Hisataka Sabe (Hokkaido Univ., Japan)

Closing remarks