

第 33 回 札幌国際がんシンポジウム

テーマ

“ヒトがん幹細胞/がん起始細胞の新基軸と展望”

日時

2014 年 6 月 26 日(木)～28 日(土)

会場

ロイトン札幌 (札幌市中央区北 1 条西 11 丁目)

代表世話人

佐藤 昇志(札幌医科大学医学部 教授)

The 33rd Sapporo International Cancer Symposium

Theme:

“Modern Aspect of Human Cancer Stem Cell / Cancer-initiating Cell”

Date:

June 26-28, 2014

Venue:

Royton Sapporo, Sapporo, Japan

Organizers (*Chairperson):

Noriyuki Sato * (Sapporo Medical University, Japan)

Hideyuki Saya (Keio University, Japan)

Ruggero De Maria (Regina Elena National Cancer Institute, Italy)

Maurizio Chiriva (Texas Tech University of Health Sciences Center School of Medicine, USA)

Hirotohi Akita (Hokkaido University, Japan)

Johji Inazawa (Tokyo Medical and Dental University, Japan)

Naoyuki Taniguchi (RIKEN, Japan)

Takashi Tokino (Sapporo Medical University, Japan)
Tomoki Naoe (Nagoya University, Japan)
Hitoshi Nakagama (National Cancer Research Center, Japan)
Masanori Hatakeyama (The University of Tokyo, Japan)
Nobuyuki Hamashima (Nagoya University, Japan)
Masaki Mori (Osaka University, Japan)
Wataru Yasui (Hiroshima University, Japan)
Toshihiko Torigoe (Sapporo Medical University, Japan)
Yoshihiko Hirohashi (Sapporo Medical University, Japan)

Program

Opening Remarks

Naoyuki Taniguchi (Sapporo Cancer Seminar Foundation, Japan)
Noriyuki Sato (Sapporo Medical University, Japan)

Session 1: Conceptual analysis of cancer stem cell / cancer-initiating cell

Strategies for targeting cancer stem cells in solid tumors

Ruggero De Maria (Regina Elena National Cancer Institute, Italy)

Development of a new immunodeficient mouse model for targeting cancer stem cells

Katsuto Takenaka (Kyushu University Hospital, Japan)

Establishment and applications of Intestinal stem cell culture system; stem cell niche and cancer

Toshiro Sato (Keio University, Japan)

Session 2: Genetic and epigenetic features of human cancer stem cell / cancer-initiating cell

Integrative genome-wide analysis of somatic cell hybrids identified candidate key regulators of luminal and basal-like breast cancer cell phenotypes

Reo Maruyama (Sapporo Medical University, Japan)

Dissecting cancer biology by studying induced pluripotency

Yasuhiro Yamada (Kyoto University, Japan)

A microRNA network governs the fate of cancer stem cell, epithelial–mesenchymal transition and interactions with tumor microenvironment

Shicheng Su (Sun–Yat–Sen Memorial Hospital, China)

Session 3: Biological behavior of cancer stem cell / cancer–initiating cell

MicroRNA–mediated regulation of the human cancer stem cells

Yohei Shimono (Kobe University, Japan)

Constitutively active cellular stress response is a hallmark of cancer stem cell / cancer–initiating cell

Toshihiko Torigoe (Sapporo Medical University, Japan)

Stem cell dynamics in homeostasis and cancer of the intestine

Louis Vermeulen (Academic Medical Center Amsterdam, The Netherlands)

Session 4: Targeting of cancer stem cell / cancer initiating cell

Cancer treatment strategy targeting antioxidant system potentiated by CD44v–xCT in stem–like cancer cells

Osamu Nagano (Keio University, Japan)

Targeting intratumoral cell heterogeneity

Wen Cai Zhang (Genome Institute of Singapore, Singapore)

Preclinical evaluation of echinomycin: therapeutic efficacy in acute myeloid leukemia without adverse effects on host hematopoietic stem cells

Yin Wang (The George Washington University, USA)

Session 5: Immunological intervention to cancer stem cell / cancer-initiating cell

Expression of cancer testis antigens by tumor initiating cells: a rich source of immunotherapy targets

Maurizio Chiriva-Internati (Texas Tech University, USA)

Cancer stem cells derived from chemoresistant tumors have a unique property to prime tumorigenic myeloid cells

Masahisa Jinushi (Hokkaido University, Japan)

Cytotoxic T lymphocytes play a key role in immunological responses to human cancer stem-like cells

Yoshihiko Hirohashi (Sapporo Medical University, Japan)