

第 28 回 札幌国際がんシンポジウム

テーマ

“TGF- β Signaling and Cancer”

日時

2008 年 7 月 26 日～27 日

会場

北海道大学 学術交流会館（札幌市北区）

世話人代表

宮園 浩平（東京大学）

The 28th Sapporo International Cancer Symposium

Theme:

“TGF- β Signaling and Cancer”

Date:

July 26-27, 2008

Venue:

Hokkaido University Conference Hall, Sapporo, Japan

Organizer (*Chairperson):

Kohei Miyazono*

Rik Derynck

Keiji Miyazawa

Mitsuyasu Kato

Masao Saitoh

Susumu Itoh

Tetruro Watabe

Takeshi Imamura

Mitsunobu Kano

Akira Ishisaki

Shogo Ehata

Program

Session 1. Molecular Mechanisms of TGF- β Signaling

Bidirectional roles of TGF- β signaling in cancer

Kohei Miyazono (University of Tokyo, Japan)

Regulation of TGF- β receptor activity: Location, location and location

Ye-Guang Chen (Tsinghua University, China)

TGF- β receptor function in cancer cell behavior

Rik Derynck (University of California, San Francisco, USA)

TMEPAI makes a novel negative feedback loop of TGF- β signaling

Mitsuyasu Kato (University of Tsukuba, Japan)

Identification of Smad2/3 binding regions by ChIP-chip reveals involvement of TFAP2 and ETS in TGF- β -induced transcription

Daizo Koinuma (Cancer Institute of Japanese Foundation for Cancer Research, Japan)

Luncheon Seminar

Principle of in situ proximity ligation assay (in situ PLA)

Erik Nystrom (Olink Bioscience, Sweden)

TGF- β signaling dynamics using proximity ligation

Katerina Pardali (Uppsala University, Sweden)

Session 2. TGF- β Signaling and Carcinogenesis

Molecular mechanisms for TGF- β induced epithelial-mesenchymal transition

Carl-Henrik Heldin (Ludwig Institute for Cancer Research, Sweden)

TGF- β receptor signaling in angiogenesis

Peter ten Dijke (Leiden University, The Netherlands)

Smad2 and Smad3 signaling activated by TGF- β is important for vascular stability

Fumiko Itoh (University of Tsukuba, Japan)

SnoN in tumorigenesis: Identity crisis

Kunxin Luo (UC Berkeley, USA)

Inhibitor of Growth 2 as a novel regulator of TGF- β -dependent signaling and responses

Shirin Bonni (University of Calgary, Canada)

RNAi-based dissection of Dpp-induced epithelial plasticity in a Drosophila cell culture model

Katja Bruckner (UCSF, USA)

Smad7 cooperates with Smad6 to induce TGF- β -mediated anti-inflammatory effects through interaction with the adaptorprotein, Pellino-1

Youn Sook Lee (Sungkyunkwan University, Korea)

Session 3. TGF- β Signaling and Cancer Metastasis

Novel mechanism of colon cancer invasion: Role of CCR1+ bone-marrow derived cells

Makoto Mark Taketo (Kyoto University, Japan)

Extracellular matrix proteins and tumor microenvironment

Xiao-Fan Wang (Duke University, USA)

Transforming growth factor beta (TGF- β): Role in bone metastases due to breast cancer, prostate cancer and melanomas

Theresa Guise (University of Virginia, USA)

TGF- β 1 suppresses colitis-associated colon cancer by preventing pre-clinical inflammatory state of colon mucosal epithelium

Thomas Doetschman (University of Arizona, USA)

TGF- β signaling during human carcinogenesis: the shift from C-terminally phosphorylated Smad3 to linker phosphorylated Smad3 pathway Autocrine TGF- β signaling in human metastatic colorectal cancer: the involvement of Smad2 and Smad3 phosphorylated at both linker and C-terminal regions for malignant behavior

Koichi Matsuzaki (Kansai Medical University, Japan)

Transcriptional induction of MMP10 by TGF- β mediated by MEF2 and class II HDACs

Motoko Shibamura (Showa University, Japan)

Session 4. Development and Application of TGF- β -based Therapeutic Agents

In vivo optical imaging of tumor microenvironment and TGF- β signaling

Takeshi Imamura (Cancer Institute of Japanese Foundation for Cancer Research, Japan)

Antagonizing TGF- β to restore anti-tumor immune responses

Lalage M. Wakefield (National Cancer Institute, USA)

Manipulation of TGF- β signaling for cancer treatment

Mitsunobu R. Kano (University of Tokyo, Japan)

Tumor-stromal interaction in aggressive pancreatic ductal adenocarcinoma in murine
-As a possible therapeutic target for human pancreatic cancer-

Hideaki Ijichi (University of Tokyo, Japan)