

第 18 回 札幌国際がんシンポジウム

テーマ

“Regulation of Machinery for Cancer Cell Growth, Immortality, Apoptosis and Invasion”

日時

1998 年 7 月 7 日～9 日

会場

北海道大学 百年記念館（札幌市北区）

代表世話人

新津 洋司郎（札幌医科大学）

The 18th Sapporo International Cancer Symposium

Theme:

“Regulation of Machinery for Cancer Cell Growth, Immortality, Apoptosis and Invasion”

Date:

July 7-9, 1998

Venue:

Hokkaido University Centennial Hall, Sapporo, Japan

Organizers (*Chairperson)

Yoshiro Niitsu*

Rik Derynck

Junying Yuan

Shigekazu Nagata

Naoyuki Taniguchi

Motoharu Seiki

Program

Opening Remarks

Hiroshi Kobayashi

Yoshiro Niitsu

Session 1: Apoptosis and Caspase 1

The roles of caspases in health and diseases

Junying Yuan

Apoptosis induced by cytokine deprivation in hematopoietic cells

Atsushi Miyajima

Novel p53-induced genes

Takashi Tokino

Session 2: Apoptosis and Caspase 2

A caspase-activated DNase that degrades DNA during apoptosis

Shigekazu Nagata

Biochemical roles of caspases in apoptosis

Robert V. Talanian

Session 3: Growth Suppression and TGF-beta 1

Transforming growth factor-beta receptor signaling

Rik Derynck

TGF-beta signaling through Smad proteins and cancer

Kohei Miyazono

p53 is a signal acceptor of TGF-beta1-mediated growth inhibitor

Yoshiro Niitsu

Session 4: Growth Suppression and TGF-beta 2

TGF-beta signaling mechanisms

Xiao-Fan Wang

The dual role of TGF-beta signaling in growth arrest and tumor invasion

Allan Balmain

Session 5: Invasion and Matalloproteinase 1

The mechanism of TIMP-mediated tumor suppression

Rama Khokha

Membrane type matrix metalloproteinases in cancer

Motoharu Seiki

Session 6: Invasion and Matalloproteinase 2

Clinical experience with matrix metalloproteinase inhibitor marimastat in cancer patients

Peter D. Brown

Suppression of tumor metastasis by glycosyltransferase gene transfection: implication of metalloproteinases and E-cadherin

Naoyuki Taniguchi

The Ets-1 and Ets-2 transcription factors mediate EGF-stimuli and activates promoters for the invasion-associated urokinase and collagenase genes

Koichi Yoshida

Session 7: Angiogenesis and Protease 1

The biological implication of macrophages infiltration and tumor neovascularization

Michihiko Kuwano

Session 8: Angiogenesis and Protease 2

The regulation of angiogenesis by transcription factor ETS-1

Yasufumi Sato

Involvement of vascular endothelial growth factor and its receptors in tumor angiogenesis and ascites formation

Masabumi Shibuya

Session 9: Senescence and Telomerase 1

Regulation of telomerase in cellular senescence

Fuyuki Ishikawa

Prevention of cellular senescence by introduced telomerase

Shawn E. Holt

Session 10: Senescence and Telomerase 2

Multiple pathways to cellular senescence

Mitsuo Oshimura

Telomerase activation and human cancer cell immortalization

Matthew Meyerson

Closing Remarks

Yoshiro Niitsu