第 11 回　札幌国際がんシンポジウム

テーマ

"Molecules in Carcinogenic Processes"

日時

1991 年 7 月 10 日～12 日

会場

センチュリーロイヤルホテル（札幌市中央区）

代表世話人

井川　洋二（東京医科歯科大学）

The 11st Sapporo International Cancer Symposium

Theme:

"Molecules in Carcinogenic Processes"

Date:

July 10-12, 1991

Venue:

Century Royal Hotel, Sapporo, Japan

Organizing Committee(*Chairperson):

Harlow Edward

Nishimura Susumu

Osato Toyoro

Ikawa Yoji*

Noda Makoto

Program:

Opening Lecture

Multiple genetic alterations in human cancers: Specificity to organs, histological findings, stages and causative agents

T. Sugimura

Regulation of ras p21 and K-rev 1 proteins by GTPase activating proteins (GAPs)

F. McCormick

Session I. ras: Structure and Functions

3D-structure and properties of wildtype and mutant H- ras encoded p21

A. Wittinghofer

Role of ras in cellular development of fission yeast

M. Yamamoto

Roles of transcription factors and a ras protein in cell lineage and cell signaling during nematode development

H. R. Horvitz

Expression of the let-23 receptor tyrosine kinase gene in C. elegans

Y. Oshima

Molecular and cellular study on the Krev-1 transformation suppressor gene

M. Noda

Studies on tumorigenesis in transgenic mice carrying normal human c-Ha- ras genes

M. Katsuki

The sequential action of the ras and p53 tumour suppressor gene in multistage skin carcinogenesis

A. Balmain

Session II. p53, RB and Cell Cycle Control

Induction of growth arrest and of active cell death by p53

M. Oren

Cellular targets for transformation by DNA tumor viruses

E. Harlow

Papillomaviruses and their interactions with tumor suppressor gene products

K. Munger

Protein kinases for cell cycle-dependent phosphorylation of the retinoblastoma protein

Y. Taya

Human cyclins A and B and various CDC2s in cell division

J. Pines

The role of CSF (pp39mos) in meiotic release upon fertilization

N. Watanabe et al.

Session III. WT and Other New Genes

Characterization of the Wilms' tumor gene, WT1

D. A. Haber

Biochemical analysis of the zinc-finger protein encoded by the WT1 Wilms' tumor locus

F. J. Rauscher, III

Genetic abnormality of an actin-binding protein, gelsolin, and tumor suppression

N. Kuzumaki

Permanent conversion of mouse and human transformed cells by activated ras to normal phenotype by treatment with the antibiotic, azatyrosine
S. Nishimura

Isolation of a candidate gene for adenomatous polyposis coli
Y. Miyoshi et al.

Session IV. Signal Transduction
Protein-tyrosine kinases in lymphocyte signaling
T. Yamamoto

Structure and function of the PI3-kinase involved in multienzyme complexes
M. Ohtsu et al.

Crosstalk between tyrosine kinase and inositol-phospholipids-mediated signals
T. T. Takenawa

Phosphorylation of the antioncogene products and cell cycle control
T. Akiyama

A protein-tyrosine kinase involved in regulation of src-family Kinases
M. Okada

TGF-beta regulation of cell proliferation
H. L. Moses

Reversion of malignant cells to the normal phenotype cells by treatment with okadaic acid, a protein phosphatase inhibitor
M. Nagao

Structure, function and regulation of protein tyrosine Phosphatases
N. K. Tonks et al.

Session V. Clinical Applications

Ras mutations in human carcinomas

M. Perucho

Detection of DNA aberrations in human cancers by single-strand conformation polymorphism analysis of polymerase chain reaction products

T. Sekiya

Oncogenes involved in myelodysplastic syndrome (MDS)

H. Hirai

Genetic alterations in human lung cancer

J. Yokota

Detection of somatic and germinal mutations of the Rb and p53 genes

B. I. Ludeke et al.

Poster session

Dominant negative mutation of the H-ras oncogene

Y. Ogiso

Antibody against neurofibromatosis type 1 gene product reacts with a Toriton-insoluble GTPase activating protein toward ras p21

S. Hattori

Aberrations of the tumor suppressor gene p53 and RB gene in human tumor cell lines and hepatocellular carcinomas

Y. Murakami

p53 gene mutation in a FAA-HTC1 rat hepatoma cell line

I. Fukuda

Growth stimulation via phosphorylation of mutant p53 on tyrosine
K. Takahashi

p53 onco-supressor protein and its cell-type-specific turnover correlated with distinct functions of E6 and E7 oncogenes of human papillomavirus type 16
K. Kikuchi

Alteration of the c-yes gene products in cell cycle and differentiation
Y. Matsuzawa

Phosphatidic acid that accumulates in response to PDGF-stimulated Balb/c 3T3 cells is a potent mitogenic signal
K. Fukami

Genetic identification of downstream factors for the raf serine/threonine kinase in Drosophia
Y. Inoue

Protein phosphatases in spermatogenesis
H. Shima

DNA binding specificity and functions of c-myc gene
H. Ariga

Transforming genes of human papillomaviruses (HPVs) in cervical neoplasms; detection and sequence analysis using the polymerase chain reaction
Y. Fujinaga

Search of genes cooperating with SFFV-gp55 gene for erythroleukemia development in transgenic mice
Y. Suda

Molecular cloning and characterization of a novel glycoprotein, gp34, that is specifically induced by the human T-cell leukemia virus type I transactivator p40tax

S. Miura