

第 1 回 札幌国際がんシンポジウム

テーマ

“Escape of Tumor cells from Immune Controls”

日時

1981 年 7 月 15 日～18 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

小林 博（北海道大学）

The 1st Sapporo International Cancer Symposium

Theme:

“Escape of Tumor cells from Immune Controls”

Date:

July 15-18, 1981

Venue:

Century Royal Hotel, Sapporo, Japan

Organizing Committee(*Chairperson):

Robert W. Baldwin, Nottingham

Toshiyuki Hamaoka, Osaka

George Klein, Stockholm

Enrico Mihich, Buffalo

Takehiko Tachibana, Sendai

Ichiro Urushizaki, Sapporo

Hiroshi Kobayashi*, Sapporo

Program:

Session I: Overview of Tumor Escape as Fundamental Topic in Cancer Immunology
(Chairman: H. Kobayashi)

Host recognition of tumours: Potentials for detection, diagnosis and therapy.
R.W. Baldwin, Nottingham

Tumor escape through the development of metastatic variants.
I.J. Fidler, Frederick

Session IIA: Tumor Escape from Immune Controls: Tumor Antigen in Escape Mechanism
(Chairmen, R.B. Baldwin and T. Tachibana)

Tumor cell antigenic modulation and selection: Modalities of host immunity.
H.L. Ioachim, New York

Escape of metastatising clonal tumor cell variants from tumor specific cytolytic T lymphocytes.
V. Schirmmacher, Heidelberg

Mechanism of tumor escape from specific anti-tumor immunity.
J.C. Palmer, Philadelphia

Variations in sensitivity of tumor cells to antibody-complement mediated killing.
S.H. Ohanian, Bethesda

Session IIB: Tumor Escape from Immune Controls: Host Immunity in Escape Mechanism.
(Chairmen, M.L. Kripke and Y. Hashimoto)

Regulatory mechanisms involved in maintenance and escape from the tumor dormant state.

E.F. Wheelock, Philadelphia

The pregnant uterus: A privileged site tumor escape from immune controls.

M. Vandeputte, Leuven

Effector and suppressor mechanism in tumor immunity.

S. Fujimoto, Nangoku

Alterations in immunogenic function induced by UV radiation.

M.L. Kripke, Frederick

Coexistence of immunogenic and dominant suppressogenic determinants in nonimmunogenic tumor cells – an efficient mechanism of tumor escape.

D. Naor, Jerusalem

Humoral immunosuppressive factors in human cancer serum.

I. Urushizaki, Sapporo

Session IIC: Tumor Escape from Immune Controls: Host Immunity in Escape Mechanism.

(Chairmen, E. Mihich and T. Tokunaga)

Correlation between transplantability of tumor cells and their sensitivity to natural killer cells.

F. Sendo and S. Fuyama

NK sensitivity of cells from primary and metastatic deposits of spontaneous tumours.

R.W. Baldwin et al, Nottingham

Cytotoxicity of cancer patients macrophages for tumor cells: Purification and characterization of serum inhibitory factors.

D.J. Cameron, Charleston

Role of macrophages in the destruction of cancer metastases.

I.J. Fidler, Frederick

Session IIIA: Breakdown of Tumor Escape: Antigenic Modification (Chairmen, G. Klein and T. Hamaoka)

Increase in immunogenicity of tumor cells after foreign virus-infection

M. Hosokawa et al, Sapporo

Induction of immune reaction against rat embryonal carcinoma by activation of viral genome.

M. Vandeputte, Leuven

Tumor metastasis inhibition by T-T cell interaction.

T. Hamaoka et al, Osaka

Immunogenic variants obtained by mutagenesis of mouse tumor cells: Presence of new antigens and protection against the non-immunogenic original tumors.

T. Boon, Bruxelles

Session IIIB: Breakdown of Tumor Escape: Biochemoimmunotherapy (Chairmen, I.J. Fidler and I. Urushizaki)

Potentiality of immunomodulation by anti-cancer drugs in therapeutics.

E. Mihich et al, Buffalo Two opposite poles of tumor immunology

I. Multi-effector recognition of virally transformed cells and its breakdown

II. Non-recognition of spontaneous tumors: the prize paid for the non-recognition of self

J. Klein, Stockholm

Session IV: General Discussion on Tumor Escape

(Chairmen, G. Klein and R.W. Baldwin)

Poster Session: Tumor Escape from Immune Controls:

Reduced expression of tumor-associated antigen on rat tumor cells after their intraperitoneal transplantation.

E. Gotohda et al, Sapporo

Resistance to complement attack of L1210 cells treated with chemical carcinogens.

H. Okada et al, Tokyo

Common and private nonvirion tumor-specific cell-surface antigens on Rous sarcoma virus-induced mouse tumor.

N. Kuzumaki et al, Hamamatsu

Variation in histocompatibility antigen expression on murine tumors: H-2Db related specificity expressed on TR6B neurionoma of C3H(H-2k) mouse origin.

M. Imamura & W. J. Martin, Sapporo

Detection of an oncofetal antigen(gp 90) on murine B16 melanoma cells and an attempt for chemoimmunotherapy using anti-gp 90 antibody conjugated with a chemotherapeutic agent, neocarcinostachin(NCS).

Y. Ishii, Sapporo

Natural antibodies carrying a cross-reactive idiootype enhance tumor growth in the rat.

T. Natori et al, Sapporo

Cytotoxic natural anti-tumor antibodies against fibrosarcoma cells in rats.

T. Itaya et al. Sapporo

Specificity of macrophage mediated cytotoxicity: Role of target cell sialic acid.

D. J. Cameron & W.H. Churchill, Charleston

Eradication of pulmonary metastases associated with the induction of tumoricidal alveolar macrophages by i.v. injection of Nocardia rubra-cell wall skeleton(N-CWS).

S. Sone & I.J. Fidler, Tokushima

Suppression and enhancement of the T cell-mediated tumor immunity by macrophages.

T. Igarashi, Sagamihara

Depression of macrophage cytotoxicity by lipoprotein from tumorous ascites.

M. Yamazaki, Sagamiko

A cell surface antigen expressed on tumoricidal macrophages.

T. Tokunaga et al, Tokyo

Naturally occurring regulatory mechanisms to natural cytotoxicity.

K. Egawa, Tokyo

Enhancement of tumor metastasis after cryosurgery of the primary tumor in rats.

T. Kodama et al, Sapporo

Escape of tumors from so-called allogeneic cell immunity.

T. Saito et al, Sapporo

Selective induction of cytotoxic and suppressor T cells in spleen cells of rat immunized with solubilized tumor-associated antigen by in vitro sensitization.

A. Minami et al, Sapporo The role of NK-interferon system in the rejection of virus persistently infected tumor cells in congenitally athymic nude mice.

N. Minato, Minami-kawachi

Alternative induction of alpha-interferon and gamma-interferon in human peripheral blood mononuclear leukocyte cultured by *Listeria Monocytogenes*.

T. Minagawa & A. Nakane, Sapporo

Immunological analysis of various immunopotentiators in T-cell depressed spontaneously hypertensive rats(SHR).

N. Takeichi et al, Sapporo

Immune status of leukemia patients detected in the autochthonous system.

T. Aoki et al. Niigata

Characterization of serum protein components from Donryu rats which were immune to hepatoma AH-66 tumor cells.

Y. Tsukada, et al, Sapporo

Immunosuppression by peripheral mononuclear cells from patients with malignancies on particular conjunction with secreted prostaglandins from macrophages.

Y. Niitsu et al, Sapporo

Tumor promoting phorbol diester induced specific change in cell surface glycoprotein profile of human leukemic null cell line NALL-1.

H. Mitsui et al, Tokyo

Restoration of tumorigenicity in HVJ(Sendai Virus) carrier hamster tumor cells after their curing of virus persistent infection in vivo or in vitro.

M. Hatano et al, Kanazawa

Active specific immunotherapy utilizing PPD-coupled tumor cells.

K. Takatsu et al, Osaka

Evidence for modulation of mastocytoma P815.

T. Boon, Bruxelles

Chemical modification of tumor cell immunogenicity.

D. Naor, Jerusalem

Enhancement of lethal metastasis of plasmacytoma in mice rendered tolerant to tumor-associated transplantation antigens.

H. Fujiwara et al, Osaka

Metastasis from MCA-induced autochthonous primary tumor and its inhibition by immunopotentiality in mice.

T. Kodama et al, Sapporo

Breakdown of tumor escape by using cyclophosphamide with syngeneic or allogeneic hybrid cells.

T. Dei & T. Tachibana, Sendai

Induction of tumor resistance by hybrid cell lines between human leukemia cells and mouse myeloma cells.

K. Kawashima et al, Nagoya

Induction of antitumor immunity by tumor cells treated with ablin.

H. Shionoya et al, Tokyo

Induction of suppressor macrophages by concanavalin A-bound tumor vaccine and its inhibition by chemotherapeutic agents.

T. Kataoka, Tokyo

Generation of suppressor T cells in culture: Modification by Adriamycin treatment of the mice.

K. Ryoyama et al, Kanazawa

Breakdown of tumor escape: augmentation of specific cell-mediated immune responses to tumor cells in tumor-bearing rats pretreated with the antileukemia drug Busulfan.

Y. Mizushima et al, Sapporo