Contents

Asterisks preceding the title refer to studies in humans.

Waro Nakahara.

1775 A Model for the Chemotherapy of Acute Leukemia with 1-β-D-Arabinofuranosylcytosine.
Richard L. Momparler.

1788 Effect of an Epipodophyllotoxin Derivative (VP 16-213) on Macromolecular Synthesis and Mitosis in Mastocytoma Cells in Vitro.
Alfons Grieder, Richard Maurer, and Hartmann Stähelin.

1794 Cross-reacting Tumor-associated Antigen(s) of Adenovirus Type 9-induced Fibroadenomas and a Chemically Induced Mammary Carcinoma in Rats.
J. Ankerst, G. Steele, Jr., and H. O. Sjögren.

1801 Cross-reacting Tumor-associated Antigen(s) among Chemically Induced Rat Colon Carcinomas.
G. Steele, Jr., and H. O. Sjögren.

1808 Hepatocellular Localization of Fetal Antigens during Induction of Rat Liver Tumors by 3’-Methyl-4-dimethylaminoazobenzene.

1813 Synthesis of α-Fetoprotein by Membrane-bound Polysomes of Rat Ascites Hepatoma Cells.
Koichi Kanai, Yasuo Endo, Toshitsugu Oda, and Naomi Tanaka.

1816 Deviation in Esterase Isozyme Pattern during Early Stage of Hepatocarcinogenesis by 3’-Methyl-4-dimethylaminoazobenzene.
Aiko Kaneko, Kimimaro Dempo, Yutaka Yoshida, Noriyasu Chisaka, and Tamenori Onoé.

1822 Virus Release by Cell Colonies Derived from Chicks and Cultures Infected with Avian Myeloblastosis Virus.
William H. Dodge.

1827 Blood Glucose Levels and Gluconeogenesis in Animals Bearing Transplantable Tumors.
V. S. Shapot and V. A. Blinov.

1833 *Correlation of in Vivo and in Vitro Assays of Immunocompetence in Cancer Patients.
Sidney H. Golub, Theodore X. O’Connell, and Donald L. Morton.

1838 *Studies on the Growth Inhibition and Metabolism of 2’-Deoxy-2’-fluorocytidine in Cultured Human Lymphoblasts.

1843 Effect of Nitrofurans Antagonistic to 3’-Methyl-4-dimethylaminoazobenzene in Hepatocarcinogenesis and RNA Polymerase Activity of Liver Cell Nuclei in Rats.
Mitsutaro Akao, Keiko Kuroda, Yoshihiro Tsutsui, Masayoshi Kanisawa, and Komei Miyaki.

1851 Prolonged Survival in Long-Passage AKR Leukemia Using Chemotherapy, Radiotherapy, and Adoptive Immunotherapy.

1857 Optimum Time Sequence for the Administration of Vincristine and Cyclophosphamide in Vivo.
Aly Razek, Teresa Vietti, and Fred Valeriote.

Luka B. Kasárov and Herman Friedman.

1866 Characteristics and Response to Certain Cancer Chemotherapeutic Agents of an Acute Lymphocytic Leukemia Arising in a BALB/c X DBA/2 F1 Mouse.
Sidney T. Yancey and W. Archie Bleyer.

1870 Primary Neoplasms in Dog Liver Induced by Diethylnitrosamine.
Kazuya Hiraö, Kazutaka Matsumura, Atsushi Imagawa, Yasuhisa Enomoto, Yasuhiro Hosogi, Toshinori Kani, Kiyotake Fujikawa, and Nobuyuki Ito.

1883 *Effect of Methotrexate on Deoxyribonucleotide Pools and DNA Synthesis in Human Lymphocytic Cells.
Arnold Fridland.

1889 Distribution of 6-Mercaptopurine Ribonucleoside and Other Purine Analogs to Brain.

1892 Effect of the Acute Rat Leukemia L5222 on Bone Marrow Stromal Cells.
Dieter Hoelzer, Eileen B. Harriss, Christine


1921 The Effects of Treatments with 5-(3,3-Dimethyl-1-triazenoimidazole-4-carboxamide in Darkness and in Light on Survival and Progression in Chinese Hamster Ovary Cells in Vitro. A. H. Gerulath, S. C. Barranco, and R. M. Humphrey.


1938 Minimal Bone Marrow Damage in Mice Given Bleomycin. S. S. Boggs, G. P. Sartiano, and A. DeMezza.


1947 Combination of Active and Passive Immunization and Chemotherapy to Transplantation of Methylcholanthrene-induced Tumor in WKA Rats. E. Gotohda, F. Sendo, M. Hosokawa, T. Kodama, and H. Kobayashi.


through Shedding of Surface Antigens: Is This a Characteristic Shared by Malignant and Embryonic Cells?
Peter Alexander.

Allyn H. Rule and Carol Goleski-Reilly.

2088 Ectopic Synthesis and Paraneoplastic Syndromes.
Thomas C. Hall.


2102 The Graded Enzymic Immaturity of Transplanted Neoplasms.
W. Eugene Knox.

2109 Tumor Angiogenesis Factor.
Judah Folkman.

2114 Intermolecular Heterogeneity of the Carcinoembryonic Antigen.
Chaim Banjo, Joseph Shuster, and Phil Gold.

2122 Heterogeneity of Carcinoembryonic Antigen.
J. W. Eveleigh.

2125 Interrelationship of Carcinoembryonic Antigen and Colon Carcinoma Antigen-III.
Edward S. Newman, Susan E. Petras, Alex Georgiadis, and Hans J. Hansen.

Norman Zamcheck and Herbert Z. Kupchik.

2137 Esterase Activity of Carcinoembryonic Antigen.
Devidayal Munjal and Norman Zamcheck.

Announcements.

COVER LEGEND

Lev Alexandrovich Zilber (1894–1966), doctor of medical sciences and member of the U.S.S.R. Academy of Medical Sciences, was the founder of the Russian school of viral oncology. A graduate of Moscow State University in 1919, his earlier experimental work was on auto-serotherapy of typhus (1921), hereditary transformation of serotypes in Proteus vulgaris (1922–1923), and the replication of viruses in unnatural hosts, as vaccinia virus in yeast (1932–1934). He and his coworkers identified the tick-borne, summer-spring encephalitis of the Far East regions of the U.S.S.R. He began work on the virological aspects of cancer in 1944, heading the Department of Immunology and Virology of Tumors at the Gamaleya Institute of Epidemiology and Microbiology, Moscow. [N. F. Gamaleya (1859–1949), after whom the Institute is named, was a bacteriologist who, following a visit with Pasteur in 1896, introduced rabies vaccination in Russia.]


G. I. Abelev (b. 1928) doctor of biological sciences and professor of biochemistry, graduated from Moscow State University in 1950. He was an assistant of Dr. Zilber, whom he succeeded as departmental chairman at the Gamaleya Institute in 1966. Abelev and his colleagues devoted their attention to tumor-specific antigens and demonstrated striking immunological individuality in mouse hepatomas (cf. Progr. Exptl. Tumor Res., 7: 104, 1965).

The most important contribution from Abelev’s group was the 1963 discovery of embryonic-specific α-globulin (α-fetoprotein, or AFP) in experimental hepatomas. This led to the development of an immunodiagnostic test for hepatocellular carcinoma and teratocarcinoma in man. The work is reviewed in Advan. Cancer Res., 14: 295, 1971. The figure is from this article and is a schematic representation of AFP synthesis in normal development and pathological states (solid line, serum AFP levels in arbitrary units; broken line, expected AFP level).

We are indebted to Dr. Lev L. Kisselev for the portraits of Zilber (left) and Abelev (right).

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THIRD CONFERENCE ON
EMBRYONIC AND FETAL ANTIGENS IN CANCER

Held at the
Hyatt Regency Hotel
Knoxville, Tennessee
November 4–7, 1973
PROGRAM

List of Participants ........................................................................................................................................ 2026
Program Committee .......................................................................................................................................... 2031

Introduction.
Norman G. Anderson and Joseph H. Coggin, Jr. .............................................................................................. 2032

Gene Regulation and Cancer
Dorthy Skinner, Chairman

Molecular Aspects of Gene Regulation in Animal Cells.
Eric H. Davidson and Roy J. Britten .................................................................................................................. 2034
Phasing of Gene Products during Development.
Cole Manes ....................................................................................................................................................... 2044

Cross-reactive Antigens
Sir P. B. Medawar, Chairman

Introduction to Session on Cross-reactive Antigens.
Sir Peter Medawar .............................................................................................................................................. 2053
Implications of the Fetal Antigen Theory for Fetal Transplantation.
J. E. Castro, R. Hunt, E. M. Lance, and P. B. Medawar ..................................................................................... 2055
Maternal-Fetal Histoincompatibility in Rats: An Escape from Adversity.
Joy Palm .............................................................................................................................................................. 2061
Searching for Human Tumor Antigens.
J. W. Holleman, J. P. Breillatt, and J. H. Coggin, Jr. ............................................................................................. 2066

Cancer, Pregnancy, and Evolution
Peter Alexander, Chairman

Escape from Immune Destruction by the Host through Shedding of Surface Antigens: Is This a Characteristic
Shared by Malignant and Embryonic Cells?
Peter Alexander .............................................................................................................................................. 2077
Allyn H. Rule and Carol Goleski-Reilly ........................................................................................................... 2083

Ectopic Synthesis, Retrogenesis, and Host Responses
Untae Kim, Chairman

Ectopic Synthesis and Paraneoplastic Syndromes.
Thomas C. Hall .................................................................................................................................................... 2088
Joseph H. Coggin, Jr., Kathleen R. Ambrose, Peggy J. Dierlam, and Norman G. Anderson ......................... 2092
The Graded Enzymic Immaturity of Transplanted Neoplasms.
W. Eugene Knox .............................................................................................................................................. 2102
Chemistry of Carcinoembryonic Antigen

H. J. Hansen, Chairman

Intermolecular Heterogeneity of the Carcinoembryonic Antigen.
Chaim Banjo, Joseph Shuster, and Phil Gold. ............................................. 2114

Heterogeneity of Carcinoembryonic Antigen.
J. W. Eveleigh. ....................................................................................... 2122

Interrelationship of Carcinoembryonic Antigen and Colon Carcinoma Antigen-III.
Edward S. Newman, Susan E. Petras, Alex Georgiadis, and Hans J. Hansen. .................. 2225

Carcinoembryonic Antigen

P. Gold, Chairman

Norman Zamcheck and Herbert Z. Kupchik. .................................................. 2131

Esterase Activity of Carcinoembryonic Antigen.
Devidayal Munjal and Norman Zamcheck. ...................................................... 2137

Papers Presented and Published as Abstracts in USAEC Report Conf-73-1141

Gene Regulation and Cancer

Dorthy Skinner, Chairman

Cancer Viewed as a Disease of Cell Differentiation. Clement L. Markert.

Cross-reactive Antigens

Sir P. B. Medawar, Chairman


Chemistry of Carcinoembryonic Antigen

H. J. Hansen, Chairman


1 Requests for abstracts of the Third Conference on Embryonic and Fetal Antigens in Cancer should be addressed to: R. E. Canning, Molecular Anatomy (MAN) Program, P. O. Box P, Building K-703, Oak Ridge National Laboratory, Oak Ridge, Tenn. 37830.

2 The person whose name is italicized was the presenter of the paper.
Quantitative Absorption of Undesired (Blood Group) Antibodies from Antisera to CEA. Arnold E. Reif and Cynthia M. Robinson.

Demonstration of Blood Group Antigen A, B, Lewis, and Lewis on Different Preparations of CEA. Jean-Pierre Mach, Alexander Holburn, Dorothy MacDonald, Stephan Carrel, and Claude Merenda.


Carcinoembryonic Antigens: Clinical Studies

Jack Snyder, Chairman


Simultaneous Measurement of Serum CEA and αFP in Colorectal and Gastric Cancer. M. Ravry, K. R. McIntire, C. G. Moertel, T. A. Waldmann, and V. L. W. Go.

Serial CEA Levels in the Clinical Assessment of Prognosis of Patients with Resected Colon Cancer. Norman Zamcheck.


The CEA Assay in Bronchogenic Carcinoma. J. P. Concannon, M. H. Dalbow, and John C. Frich, Jr.


CEA in Four Cancer-prone Families. Hoda A. Guirgis and Henry T. Lynch.


A Method of Rapid Dialysis for Use with the Zirconyl Gel Assay for CEA. H. Z. Kupchik, Marvin C. Feil, and Calvin C. Saravis.

Studies on CEA as a Normal Product of Normal Gastrointestinal Epithelium. Thomas C. Hall, Marsha Hollander, Barbara Dyce, and Hans Hansen.


The Effect of Hormones on CEA Levels in Patients with Carcinoma of the Prostate. I. M. Bush, N. Sadoughi, T. John, P. Guinan, and R. J. Ablin.


Plasma CEA in Patients with Hematologic Malignancies. John C. Ruckdeschel and Peter H. Wiernik.

Retrogenesis, Tumor Antigens, and Gene Control

K. R. Ambrose, Chairman


Approaches to Improving CEA-Radioimmunoassay Specificity: Use of Baboon and Rabbit Antisera to a “Neonatal” CEA Bound to Different Backbones. Allyn H. Rule, Richard Condie, Mary Kirch, and Larry Nathanson.
Retrogenesis
A. J. Girardi, Chairman

Immunological Response to Tumor-associated Fetal Antigens. F. A. Salinas and M. G. Hanna, Jr.
Immunological Similarities between Fetal Antigens and Methylcholanthrene-induced Tumor Cell Antigens. Samuel A. Wells, Jr., and John P. Grant.
Association and Dissociation of Rat Mammary Tumor Cell Surface Antigen: Possible Mechanisms of Metastasis and a Fundamental Difference between Human and Animal Tumors. Untae Kim.
A Comparison of Enzyme-active Membrane Antigens from Two Different DMAB-induced Hepatomas with Those of Adult and Fetal Rat Liver. M. Raffel, F. Blomberg, and P. Perlmann.
Expression of Fetal Genes by Mouse Hepatoma Cells in Culture: The Synthesis of aFP. Barry E. Ledford and John Papaconstantinou.
Differentiation between Embryonic and Tumor-specific Antigens on Chemically Induced Tumors. R. W. Baldwin and B. M. Vose.
Tumor Allograft Immunotherapy in Postgestational Choriocarcinoma. Roland A. Pattillo, Glen E. Rodey, and Lyle Heim.
Derepressive Interception in Cancer. Wayne E. Criss.

α-Fetoprotein
M. Al-Sarraf, Chairman

Fetal Proteins Used to Monitor Treatment of Testicular Teratomas. Britta Wahren and Folke Edsmyr.
Effect of Treatment on αFP Levels in Patients with Hepatocellular Carcinoma. A. Primack, K. R. McIntire, C. L. Vogel, and T. A. Waldmann.
Suppression of Hepatoma Growth Using Passively Administered Antiserum to αFP. G. J. Mizejewski.
αFP in Nonhuman Primates with Primary Liver Tumors. K. R. McIntire and R. H. Adamson.
Immunological Significance of α2-Macroglobulin Detected in Tumor Tissue and Cultured Tumor Cells. M. H. Dalbow and J. P. Concannon.
Rivanol Counterelectrophoresis Compared with Radioimmunoassay for the Detection of αFP. Jorge Franco, Bernadine Kovaleski, Kit Vanags, and Monika Schreyer.
Cancer Research

34 (8)

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