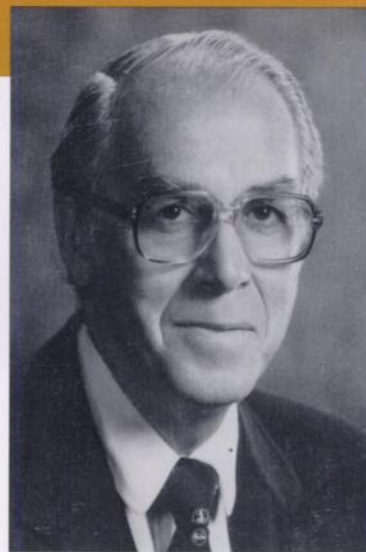
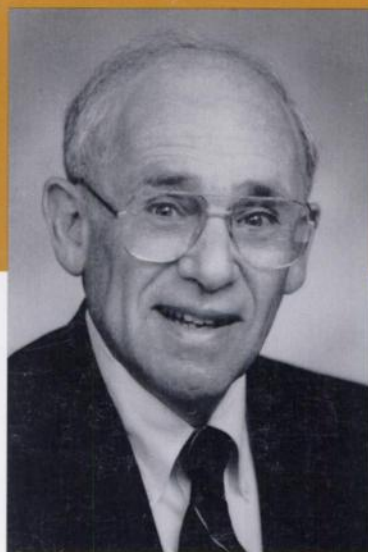
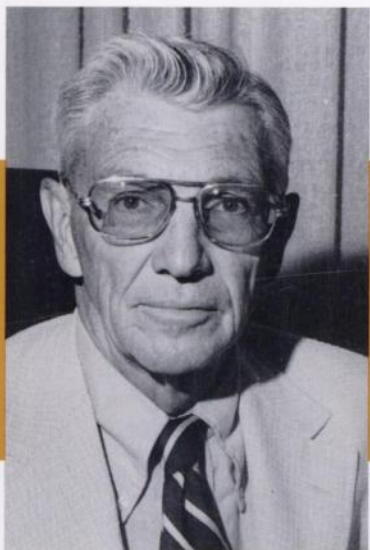




Cancer Research

OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH



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AACR SPECIAL CONFERENCE IN CANCER RESEARCH

Molecular Approaches to Cancer Immunotherapy

November 7-11, 1993
The Grove Park Inn, Asheville, North Carolina



CONFERENCE CHAIRPERSON

Ralph A. Reisfeld / La Jolla, CA

SCIENTIFIC PROGRAM

Keynote Address

Giorgio Trinchieri / Philadelphia, PA

Monoclonal Antibodies for Tumor Therapy

Alan N. Houghton / New York, NY

Albert F. LoBuglio / Birmingham, AL

Ira Pastan / Bethesda, MD

David A. Scheinberg / New York, NY

Genetically Engineered Antibodies

Stephen D. Gillies / Lexington, MA

Jeffrey Schlom / Bethesda, MD

Richard P. Junghans / Boston, MA

Sherie L. Morrison / Los Angeles, CA

Clive Woodhouse / Mountain View, CA

Gene Therapy of Cancer

James J. Mulé / Palo Alto, CA

Drew M. Pardoll / Baltimore, MD

David T. Curiel / Chapel Hill, NC

Patrick Hwu / Bethesda, MD

Elizabeth Jaffee / Baltimore, MD

Cytokines in Tumor Therapy

Steven Gillis / Seattle, WA

Roland Mertelsmann / Freiburg, Germany

Ronald Levy / Stanford, CA

Terry Strom / Boston, MA

Tumor Antigens Recognized by T-Cells

Olivera J. Finn / Pittsburgh, PA

Per A. Peterson / La Jolla, CA

Martin A. Cheever / Seattle, WA

Michael T. Lotze / Pittsburgh, PA

Antibodies as Immunogens

Soldano Ferrone / Valhalla, NY

Dorothee Herlyn / Philadelphia, PA

Kenneth Foon / Lexington, KY

Alan N. Houghton / New York, NY

Future of Cancer Immunotherapy

Isaiah J. Fidler / Houston, TX

Paul M. Sondel / Madison, WI

Irwin D. Bernstein / Seattle, WA

Eugenie S. Kleinerman / Houston, TX

Applicants are encouraged to submit abstracts for poster presentation.

Information and Application Forms

American Association for Cancer Research

Public Ledger Building

620 Chestnut Street, Suite 816

Philadelphia, PA 19106-3483

215-440-9300 215-440-9313 (FAX)

Application Deadline: August 2, 1993



AMERICAN ASSOCIATION FOR CANCER RESEARCH SCIENTIFIC CONFERENCES: 1993-1994

OCTOBER 17-21, 1993

Cell Death and Cancer

Chairperson: Alan R. Eastman, Hanover, NH
Chatham Bars Inn, Chatham (Cape Cod), MA

NOVEMBER 7-11, 1993

***Molecular Approaches to
Cancer Immunotherapy***

Chairperson: Ralph A. Reisfeld, San Diego, CA
Grove Park Inn, Asheville, NC

NOVEMBER 9-13, 1993

***Interactions of Cancer Susceptibility
Genes and Environmental Carcinogens***

Joint Meeting with International Agency for
Research on Cancer (IARC)
Chairpersons: Frederick P. Li, Boston, MA, and
Ruggero Montesano, Lyon, France
IARC, Lyon, France

DECEMBER 5-9, 1993

Cell Signalling and Cancer Treatment

Joint Meeting with British Association for
Cancer Research and European
Organisation for Research and Treatment
of Cancer (PAM Group)
Chairpersons: Garth Powis, Tucson, AZ;
Paul Workman, Glasgow, Scotland
El San Juan Hotel, San Juan, PR

JANUARY 17-22, 1994

***Risk Assessment in Environmental
Carcinogenesis***

Co-Sponsored by the
Environmental Mutagen Society
Chairpersons: Philip C. Hanawalt, Stanford, CA;
James A. Swenberg, Chapel Hill, NC
Whistler Resort and Conference Center, Whistler,
B.C., Canada

JANUARY 31-FEBRUARY 5, 1994

***Molecular Genetics of Progression
and Metastasis***

Chairperson: Lance A. Liotta, Bethesda, MD
Big Sky Resort, Big Sky, MT

FEBRUARY 19-24, 1994

***Cancer: Perturbation in Cell Cycle
Control and Genomic Integrity***

Chairpersons: Thea D. Tlsty, Chapel Hill, NC;
Lawrence A. Loeb, Seattle, WA
Banff Springs Hotel, Banff, Alberta, Canada

MARCH 5-11, 1994

Growth Factors, Development, and Cancer

Joint Meeting with Friedrich-Miescher Institut
Chairpersons: Harold L. Moses, Nashville, TN;
Bernd Groner, Basel, Switzerland
Congress Center, Interlaken, Switzerland

APRIL 10-13, 1994

85th Annual Meeting

Chairperson: Karen S. H. Antman, Boston, MA
Moscone Convention Center, San Francisco, CA

OCTOBER 16-20, 1994

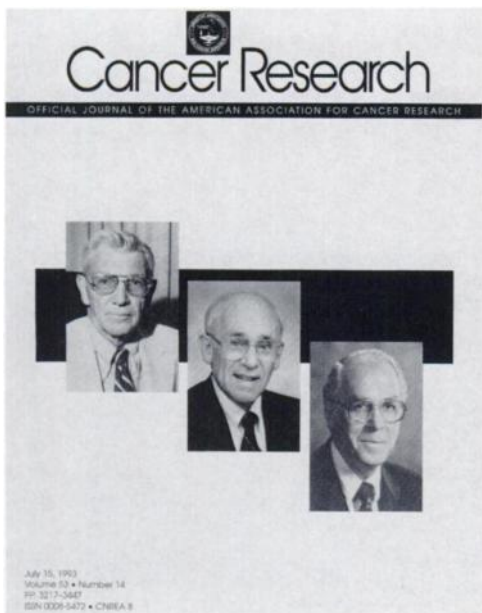
***Transcriptional Regulation in
Differentiation (Tentative Title)***

Chairpersons: Eric N. Olson, Houston, TX; Bruce
M. Spiegelman, Boston, MA
Chatham Bars Inn, Chatham (Cape Cod), MA

AACR members will receive brochures on the
above special conferences as soon as they are
available. Nonmembers should call or write:

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COVER LEGEND



This issue's cover features the first Clinical Directors of the National Cancer Institute (NCI), Bethesda, MD, early pioneers who played leading roles in the development of intramural and extramural programs of the NCI during a period of rapid advances. They were recruited by NCI Scientific Director G. Burroughs Mider shortly after the opening of the Clinical Center on the Bethesda campus in 1953. First came C. Gordon Zubrod (*upper left*), in 1954, as Chief of the NCI's General Medicine Branch and Clinical Director, ultimately rising to Director, Division of Cancer Treatment, in 1972. Dr. Zubrod was a graduate of the College of Physicians and Surgeons of Columbia University; he interned at Presbyterian Hospital, New York, NY, with service in the Army during World War II and positions at Johns Hopkins and St. Louis Universities prior to his NCI appointment. Nathaniel I. Berlin (*center*) was recruited in 1956. He received the M.D. degree from SUNY-Downstate and a Ph.D. from the University of California. He was a postdoctoral fellow at the University of California, Berkeley, and at the National Institute for Medical Research under A. Neuberger in London. He came to the NCI in 1956 as Head of the Metabolism Service and rose to Director of the Division of Cancer Biology and Diagnosis in 1972. Alfred C. Ketcham (*lower right*) received the M.D. from the University of Rochester, interned at the Naval Medical Center in Bethesda, MD, and then trained in surgery at the United States Public Health Service Hospitals in San Francisco, CA, Seattle, WA, and Tahahina, OK. He joined the NCI Surgery Branch in 1957 and was Chief from 1962 to 1974 and Clinical Director from 1970 to 1974.

Their careers were closely interwoven for 35 years during a period of marked advances in cancer treatment, supported by substantial and increasing Congressional appropriations, culminating in the appreciable

increase in research funding resulting from the National Cancer Act of 1971.

Dr. Zubrod organized the clinical trials into phases I, II, and III, and served as Chairman of the Eastern Solid Tumor Group, which became a model for the current, extensive clinical trials. Appointed by then Director, Kenneth Endicott, as Scientific Director for Intramural Research, in 1961, Dr. Zubrod formed the Acute Leukemia Task Force, bringing together the country's top scientists. Remarkable success was achieved in developing drug combinations for control of childhood leukemia and in treating Hodgkin's disease. For his leadership, he has aptly been called the "father of chemotherapy."

Dr. Berlin brought together in the Metabolism Service a remarkably gifted staff of highly productive young physicians, including Nobel Laureate Daniel Nathans and Medal of Science Awardee David Nathan. With the strong support of NCI Director Endicott, Drs. Zubrod and Berlin expanded the intramural programs into molecular biology and virology. Dr. Berlin, simultaneously, created a wide-ranging intramural program of the Laboratories of Molecular Biology under I. Pastan, Cell Biology under L. W. Law, Pathophysiology under P. M. Gullino, Mathematical Biology under M. Berman, and Immunodiagnosis under R. B. Herberman; he also brought Robert Goldberger, Maxine Singer, and Claude Klee to the Laboratory of Biochemistry.

Dr. Ketcham joined the NCI in 1957 and, with his surgical insight thus provided, the three worked together as a smoothly functioning team. In 1970, Dr. Ketcham succeeded Dr. Berlin as Clinical Director. He expanded cancer surgery extensively through the Clinical Associates Program.

The team dissolved in 1974 when Dr. Ketcham left to head Surgical Oncology in the Department of Surgery at the University of Miami and in the Cancer Center, now the Sylvester Comprehensive Cancer Center. Dr. Zubrod soon followed as Director of the Cancer Center at the same institution. In 1975, Dr. Berlin became the Director of the Northwestern University Medical School Cancer Center in Chicago. Cooperation among the three continued for many years and became even closer when Dr. Berlin became the Chairman of the External Advisory Board to the Sylvester Cancer Center in 1977. In 1987, Dr. Berlin joined the other two on the faculty of the University of Miami.

All three had distinguished careers, marked by many publications and leadership positions in the fields of cancer research, both in the basic and clinical realms. In addition, they have also held various editorial positions and been involved in policy-making decisions. Dr. Zubrod has retired and resides in Chevy Chase, MD. Dr. Berlin is spending a year at the NCI, and Dr. Ketcham continues as Professor of Surgery at the University of Miami.

Sidney Weinhouse