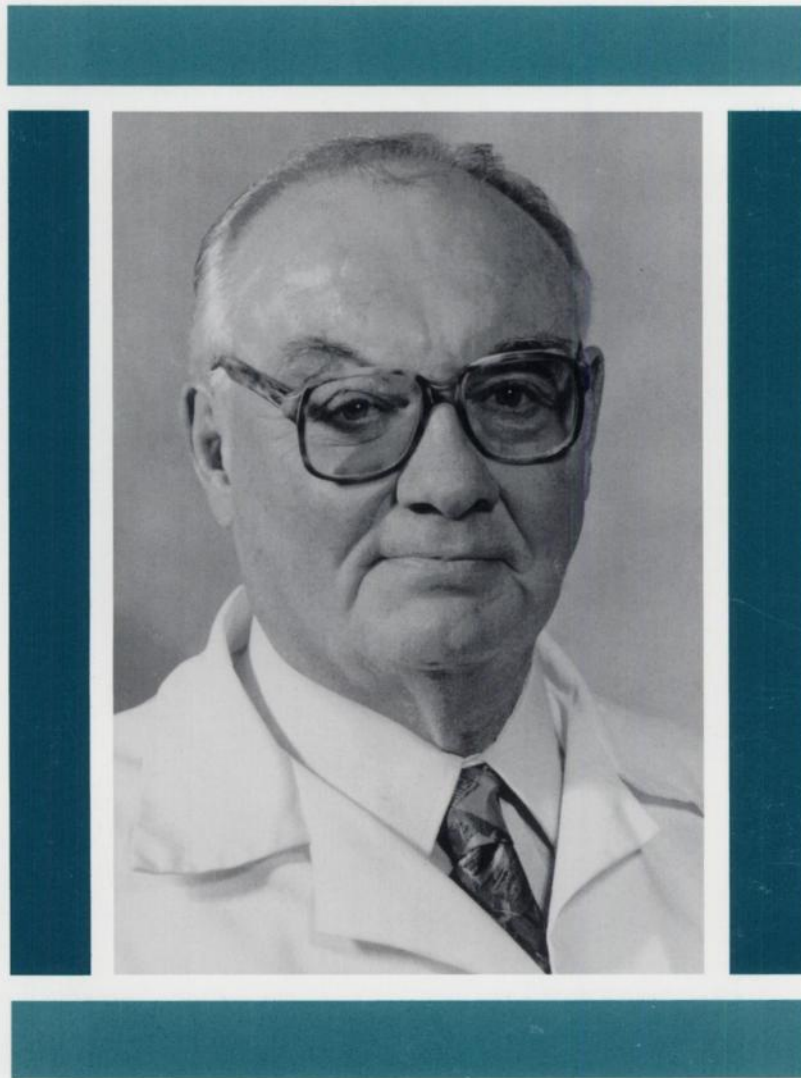




Cancer Research

AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH



August 15, 1996
Volume 56 • Number 16
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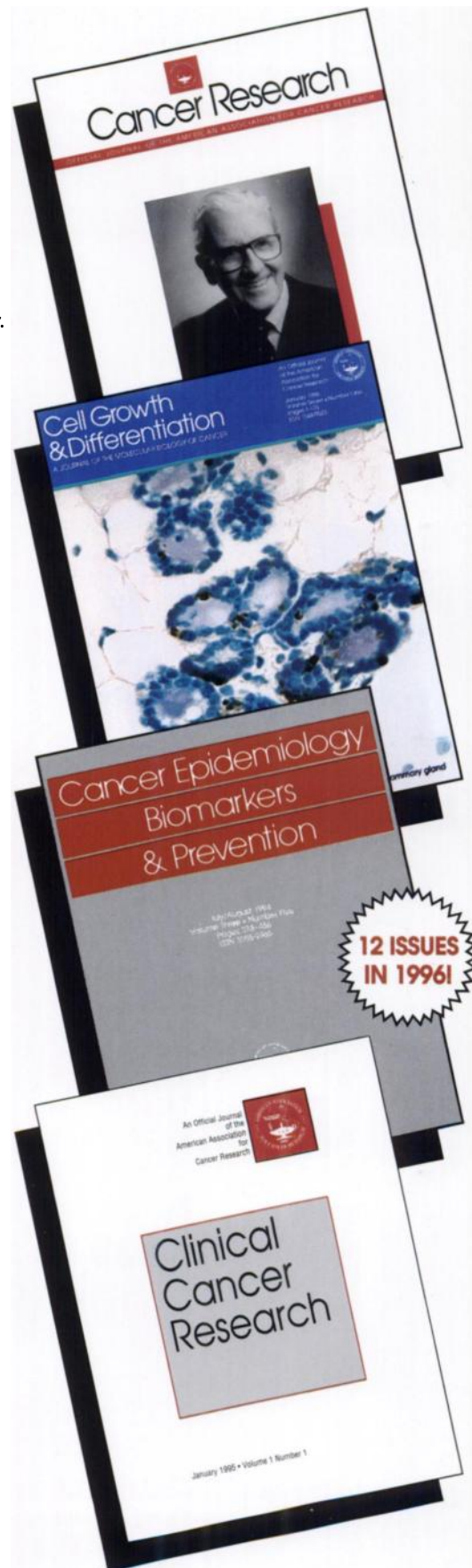
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40th Anniversary Symposium
Department of Experimental Therapeutics, Roswell Park Cancer Institute
October 3-4, 1996

The program of this Symposium, which commemorates the 40th anniversary of the inauguration of the Department of Experimental Therapeutics at Roswell Park Cancer Institute, consists of lectures from former graduate students of the Department. The Symposium is dedicated to the memory of the department senior staff members who passed away during the 40 years of its existence: Drs. W. Werkheiser (1972), C. Dave (1978), W. Korytnyk (1985), H. Schwartz (1990), G. Grindey (1993), C. Coutsogeorgopoulos (1995).

Molecular Approaches to Cancer Therapeutics

Honorary Chair: Thomas B. Tomasi

Chairs: Charles A. Nichol and Enrico Mihich

Program Committee: Drs. E. Mihich, R. Baker, A. Bloch, B. Dolnick, M. Ip, C. Porter, Y. Rustum

October 3, 1996

Session I: Oncogenes and Transcription, Co-Chairs: F. Rosen and A. Bloch

- B. Feuerstein Genetic instability and progression in Glial tumors
F. Rauscher III Designing transcriptional repressors which inhibit malignant cell growth

Session II: Oncogenes and Transcription, Co-Chairs: F. Rosen and M. Ip

- R. Beckmann Investigations towards identifying the functions of BRCA1
R. Craig MCL-1 and the emergence of a BCL-2 gene family
M. Morin Discovery and development of efficacious and safer therapies by selective inhibition of tumor cell signaling
J. Rosen Regulation of growth and terminal differentiation in the mammary gland and breast cancer

Session III: Antimetabolites, Co-Chairs: Y-C. Cheng and Y. Rustum

- R. Moran The human folypoly- γ -glutamate synthetase gene and its role in the selectivity of folate antimetabolites
S. Berger Therapeutic approaches for colon cancer utilizing thymidylate synthase as a target

Session IV: New Leads, Co-Chairs: Y-C. Cheng and B. Dolnick

- P. Vertino DNA methyltransferase and the establishment of aberrant CpG island methylation in tumorigenesis: New targets for chemotherapeutic intervention
M. Faletto Unique intracellular activation of 1592U89, a carbocyclic purine nucleoside analog with potent anti-HIV activity
C. Nichol Evening Keynote Address: The Development of the Department of Experimental Therapeutics

October 4, 1996

Session V: New Leads, Co-Chairs: M. Hakala and C. Porter

- R. Casero Spermidine/spermine N1-acetyltransferase Induction: A Potential Mechanism of Differential Drug Sensitivity
J. Laskin The 40th anniversary of 5-fluorouracil

Session VI: New Leads, Co-Chairs: M. Hakala and E. Mihich

- S. Cohen Non-lymphoid solid tumor cell lines can mimic the phenotype of lymphocytes
T. Carey Genetic analysis of field cancerization and tumor progression in squamous cell carcinoma: New paradigms to consider in therapeutic planning
S. Caradonna dUTP hydrolysis and uracil-DNA repair as potential determinants in cancer chemotherapy

Registration deadline: September 15, 1996. For further information please contact Dr. E. Mihich, Roswell Park Cancer Institute, Buffalo, NY 14263, Tel: 716-845-5860; Fax: 716-845-8857.

CELL SIGNALING AND CANCER TREATMENT



An American Association for Cancer Research Special Conference
in Collaboration with
Austrian Cancer Society, British Association for Cancer Research,
German Cancer Society and the Austrian Biochemical Society

February 23-28, 1997
Interalpen-Hotel Tyrol
Telfs-Buchen, Austria

CONFERENCE CHAIRPERSONS

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Garth Powis / Tucson, USA
Paul Workman / Macclesfield, England

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Peter Hilgard / Frankfurt, Germany
Alex Matter / Basel, Switzerland
Frank P. McCormick / Richmond, USA
Laurent Meijer / Roscoff, France
Michael J. Morin / Groton, USA

SCIENTIFIC PROGRAM

Keynote Address

Paul Workman / Macclesfield, England

Growth Factor Antagonists and Growth Factor Receptor Blockers

Enrique Rozengurt / London, England
Nancy E. Hynes / Basel, Switzerland
Bernd Groner / Freiburg, Germany
Nicholas Lydon / Basel, Switzerland

Receptor and Post Receptor Signaling: Mechanisms and Targets in Cancer Chemotherapy

Sara A. Courtneidge / Redwood City, USA
Frank P. McCormick / Richmond, USA
Nicholas K. Tonks / Cold Spring Harbor, USA
Garth Powis / Tucson, USA
Ulf R. Rapp / Würzburg, Germany
Alan K. Hall / London, England
Axel Ullrich / Munich, Germany

Cell Cycle and Cancer

Laurent Meijer / Roscoff, France
Christian Brechot / Paris, France
Rolf Müller / Marburg, Germany
J. Wade Harper / Houston, USA

Cytokine Signaling

Sylvie Gisselbrecht / Paris, France
Atsushi Miyayima / Tokyo, Japan
Ian M. Kerr / London, England
Gennaro Ciliberto / Rome, Italy

Programmed Cell Death: Role in Oncogenesis and Tumor Therapy

Gerard I. Evan / London, England
Caroline Dive / Manchester, England
Douglas R. Green / La Jolla, USA
Donald W. Nicholson / Pointe-Claire-Dorval, Quebec, Canada

Invasion and Metastasis

Max M. Burger / Basel, Switzerland
Louis F. Reichardt / San Francisco, USA
John G. Collard / Amsterdam, The Netherlands
Helmut Ponta / Karlsruhe, Germany

Angiogenesis

Adrian L. Harris / Oxford, England
Kari K. Alitalo / Helsinki, Finland
Isaiah J. Fidler / Houston, USA

Applicants are encouraged to submit abstracts for poster presentation.

Application deadline: November 1, 1996

Information and Application Forms

American Association for Cancer Research
Public Ledger Building, Suite 816
150 South Independence Mall West
Philadelphia, PA 19106-3483
215-440-9300 215-440-9313 (FAX)
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AMERICAN ASSOCIATION FOR CANCER RESEARCH SCIENTIFIC CONFERENCES

OCTOBER 2-6, 1996

***Novel Approaches in Blood and
Marrow Transplantation***

Second Annual Meeting of the American Society for
Blood and Marrow Transplantation

Chairpersons: O. Michael Colvin, Durham, NC;
Bruce R. Blazar, Minneapolis, MN
Hotel Del Coronado, San Diego, CA

OCTOBER 6-9, 1996

***Carcinogenesis from Environmental
Pollution: Assessment of Human Risks
and Strategies for Prevention***

Joint Meeting with International Agency for
Research on Cancer

Chairpersons: Frederica Perera, New York, NY;
Paul Kleihues, Lyon, France
Hotel Gellért, Budapest, Hungary

OCTOBER 19-23, 1996

Programmed Cell Death

Chairpersons: Stanley J. Korsmeyer,
St. Louis, MO; Shigekazu Nagata, Osaka,
Japan; Andrew Wyllie, Edinburgh, Scotland
The Sagamore, Bolton Landing (Lake George), NY

JANUARY 10-14, 1997

Basic and Clinical Aspects of Lymphoma

Joint Meeting with the American Society of Clinical
Oncology

Chairpersons: Joseph R. Bertino, New York, NY;
James O. Armitage, Omaha, NE
Stouffer Renaissance Esmeralda Resort, Indian
Wells (Palm Springs), CA

JANUARY 17-21, 1997

Disrupted Transcription Factors in Cancer

Chairpersons: Peter K. Vogt, La Jolla, CA; Frank
J. Rauscher III, Philadelphia, PA
Hotel Del Coronado, San Diego, CA

FEBRUARY 13-16, 1997

Growth Factors, Signaling, and Cancer

Joint Meeting with Lorne Cancer Conference
Chairpersons: Antony Burgess, Parkville, Victoria,
Australia; Robert J. Coffey, Nashville, TN;
Ashley R. Dunn, Parkville, Victoria, Australia;
Webster K. Cavenee, La Jolla, CA
Erskine House, Lorne, Victoria, Australia

FEBRUARY 23-28, 1997

Cell Signaling and Cancer Treatment

In Collaboration with British Association for Cancer
Research, Austrian Cancer Society, German
Cancer Society, and Austrian Biochemical
Society

Chairpersons: Hans H. Grunicke, Innsbruck,
Austria; Garth Powis, Tucson, AZ; Paul
Workman, Macclesfield, England
Interlpen-Hotel Tyrol, Telfs-Buchen, Austria

MARCH 7-12, 1997

***Basic and Clinical Aspects of
Breast Cancer***

Chairpersons: J. Carl Barrett, Research Triangle
Park, NC; Karen S.H. Antman, New York, NY;
Mary-Claire King, Seattle, WA
Keystone Resort, Keystone, CO

APRIL 12-16, 1997

88th Annual Meeting

Chairperson: Frederick P. Li, Boston, MA
Co-Chairpersons: Clara Derber Bloomfield,
Buffalo, NY; Stephen H. Friend, Seattle, WA
San Diego Convention Center, San Diego, CA
Abstract Deadline: November 12, 1996

JUNE 7-12, 1997

Cancer of the Central Nervous System

Conference with Neurosurgery Joint Section on
Tumors

Chairpersons: Peter McL. Black, Boston, MA;
Webster K. Cavenee, La Jolla, CA
Loew's Coronado Bay Resort, San Diego, CA

AACR members will receive brochures on the
above conferences as soon as they are available.
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THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER

Postdoctoral Fellowships in Molecular Cancer Biology

Postdoctoral positions open September 1, 1996 with a newly established research group at the M.D. Anderson Cancer Center for talented Ph.D. and/or M.D. scientists in the following disciplines:

APOPTOSIS. Current studies include: (1) mechanisms by which apoptotic responses to chemotherapy are modulated by growth factor-mediated signal transduction pathways and by regulators of cell cycle traversal; (2) mechanisms of apoptosis induced by therapeutic agents including the role(s) of anti- and pro-apoptotic gene products.

GROWTH FACTORS. Ongoing investigations include: (1) novel mechanisms of action of anti-EGF receptor monoclonal antibodies; (2) mechanisms of heregulin/NDF action; (3) regulatory interactions between receptor tyrosine kinases and estrogen receptors in breast carcinoma cells.

Cell Cycle. Research focuses on: (1) regulation of cyclin dependent kinase inhibitors (2) regulation of nuclear matrix proteins.

Experience in molecular biology, biochemistry, and signal transduction is desirable. For immediate consideration, please send curriculum vitae and names of three references to one of the three Principal Investigators in the group: Drs. John Mendelsohn, Rakesh Kumar, Zhen Fan, Laboratory of Cell Growth Regulation, University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Blvd, Box 91, Houston, Texas 77030. An equal opportunity employer.

THE SURGERY BRANCH, NATIONAL CANCER INSTITUTE, NIH, IS SEEKING PATIENTS FOR ONGOING CLINICAL TREATMENT PROGRAMS.

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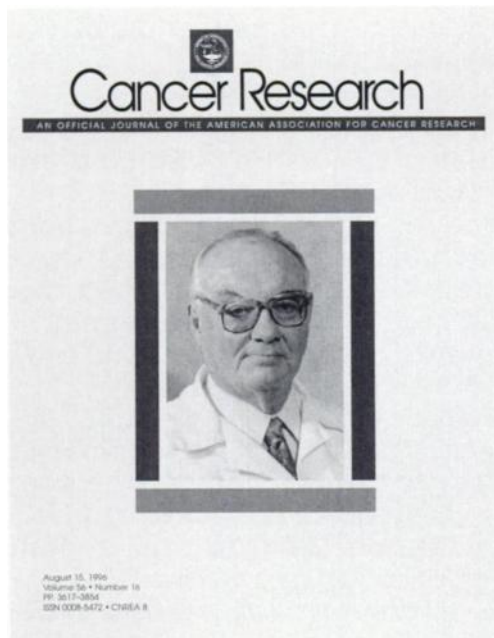
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- STAGE II OR LOCALLY ADVANCED BREAST CANCER •
- METASTATIC COLORECTAL CANCER TO THE LIVER •
- LOCOREGIONAL GASTRIC OR PANCREATIC CANCER •
- MESOTHELIOMA, PULMONARY METASTASES, STAGE IIIA, B LUNG CANCER
OR ESOPHAGEAL CANCER •
- LOCALIZED SOFT TISSUE SARCOMAS •
- PERITONEAL CARCINOMATOSIS •

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COVER LEGEND



Henry T. Lynch (*cover*) is the recipient of the 19th Annual Bristol-Myers Squibb Award for Distinguished Achievement in Cancer Research for his work in establishing the hereditary basis of certain gastrointestinal, breast, and ovarian cancers.

Dr. Lynch is Professor and Chairman of Preventive Medicine and Public Health and Professor of Medicine at Creighton University School of Medicine in Omaha, NE. He is also Director of the Creighton Cancer Center and manages a database of thousands of family pedigrees tracing hereditary cancers. In addition, he established Creighton's Hereditary Cancer Prevention Clinic, which offers information and services related to all hereditary cancers.

During the 1960s, when cancer was thought to be triggered almost solely by environmental causes, Dr. Lynch identified a previously unrecognized form of colon cancer, hereditary non-polyposis colon cancer (HNPCC), now known as Lynch Syndrome, and he demonstrated Mendelian patterns of inheritance for this disease in hundreds of extended families worldwide. During the same period, he also demonstrated Mendelian in-

heritance patterns for certain breast and ovarian cancers, later termed Hereditary Breast/Ovarian Cancer Syndrome, which he subsequently helped link to the *BRCA1* and *BRCA2* breast cancer genes. With the recent discovery by other researchers of the genes that cause Lynch Syndrome, it has become possible to predict with near 90% accuracy the risk of disease in patients with direct germ line mutations. With early detection, Lynch Syndrome and other colon cancers are curable in 90% of patients.

Dr. Lynch served in the United States Navy during World War II in the South Pacific from 1944 to 1946 and then graduated from the University of Oklahoma at Norman in 1951. He earned an M.A. from the University of Denver in 1952, completed the course work for a Ph.D. in Human Genetics and then received his M.D. from the University of Texas Medical Branch at Galveston in 1960. He completed his medical residency at the University of Nebraska Medical Center (UNMC) in Omaha in 1964 and a 2-year fellowship in medical oncology, also at UNMC, in 1966. He joined the Creighton University faculty in 1967 after a year as an Assistant Professor of Biology and Assistant Internist at the M. D. Anderson Hospital and Tumor Institute in Houston, TX.

Dr. Lynch has published more than 400 articles and over a dozen books related to heredity and the diagnosis, prevention, counseling, and treatment of hereditary cancers. In addition to his being honored with the 1996 Bristol-Myers Squibb Award, Dr. Lynch's contributions to cancer research have been recognized by his receipt of the American Cancer Society Distinguished Service Award, the Ungerman-Lubin Lecture Prize for Outstanding Cancer Research, and Creighton University's Distinguished Research Career Award. He is a member of the American Medical Association and the American Society of Clinical Oncology. Dr. Lynch also serves on the editorial board of *Anticancer Research-International Journal of Cancer Research and Treatment* and on the editorial advisory boards of *Critical Reviews in Oncogenesis* and the *Journal of Tumor Marker Oncology*.

Sidney Weinhouse