

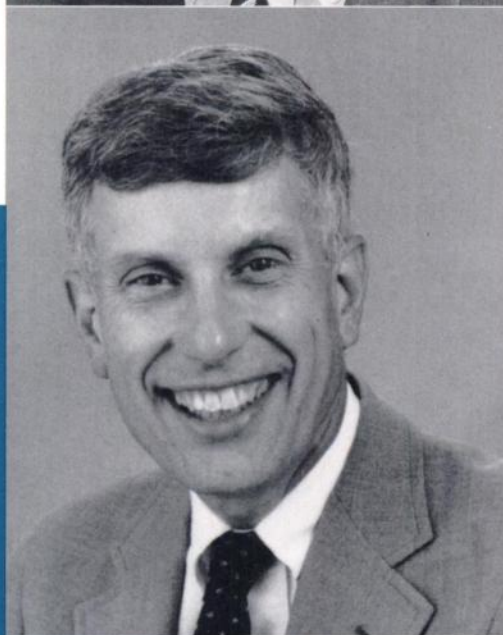
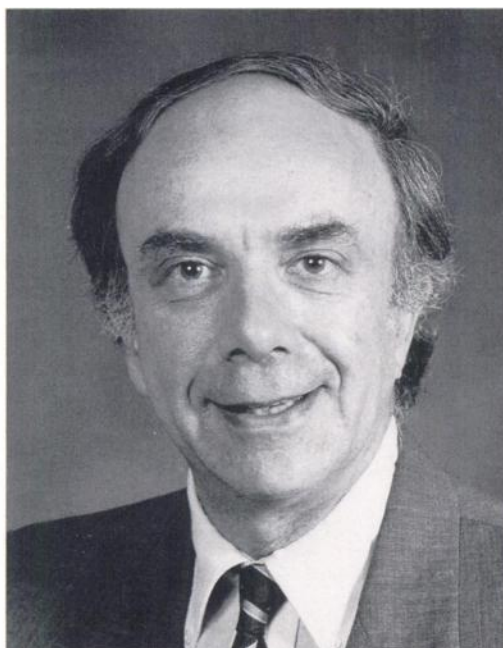
May 15, 1990



# Cancer Research

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Clara D. Bloomfield, M.D.  
Head, Department of Medicine  
Roswell Park Cancer Institute  
Elm and Carlton Streets  
Buffalo, New York 14263



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# NEW

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# Cancer Communications



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**Cancer Communications**, published monthly, is a new international electronically produced and published journal. It is designed to promote the rapid dissemination of timely and significant high-quality, full-length papers. **Cancer Communications** will publish high-quality research in areas of:

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## Recent Articles

**A.P. Dicker, M. Volkenandt, & J.R. Bertino** (Sloan-Kettering Cancer Center, New York, NY); Detection of a Single Base Mutation in the Human Dihydrofolate Reductase Gene from a Methotrexate-Resistant Cell Line Using the Polymerase Chain Reaction.

**M. Reiss, D. DiMalo, & T.A. Zibello** (Yale University School of Medicine, New Haven, CT); Bovine Papillomavirus Type 1 Induces Resistance to  $Ca^{++}$ -Induced Terminal Differentiation in Murine Keratinocytes.

**J. Hazlewood, A. Fonagy, D. Henning, J.W. Freeman, R.K. Busch, & H. Busch** (Baylor College of Medicine, Houston, TX); mRNA Levels for Human Nucleolar Protein P120 in Tumor and Nontumor Cells.

**W.N. Hait, J.M. Stein, A.J. Koletsky, M.W. Harding, & R.E. Handschumacher** (Yale University School of Medicine, New Haven, CT); Activity of Cyclosporin A and a Non-Immunosuppressive Cyclosporin Against Multidrug Resistant Leukemic Cell Lines.

**H. Nakakuma, M.C. Willingham, & P.M. Blumberg** (National Cancer Institute, Bethesda, MD); Effect of Microinjected Catalytic Fragment of Protein Kinase C on Morphological Change in Swiss 3T3 Cells.

## Subscription Information

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January 22–26, 1989

Program Committee

Harald zur Hausen, Chairman

R. Palmer Beasley      George Miller      Jesse W. Summers

### **STEROID RECEPTORS, TRANSCRIPTION FACTORS, AND GENE EXPRESSION**

February 10–13, 1990

Program Committee

Bert W. O'Malley, Chairman

Ronald M. Evans      Marc E. Lippman

### **CHROMOSOMAL AND GROWTH FACTOR ABNORMALITIES IN LEUKEMIA**

October 14–18, 1990

Organizers

Janet D. Rowley      Peter C. Nowell      Donald Metcalf      Leo Sachs

INFORMATION ON CONFERENCES IN THIS SERIES IS AVAILABLE FROM

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**MAJOR  
SCIENTIFIC  
EVENTS**

**Plenary Sessions**

**Molecular Approaches to Clinical Cancer** (sponsored jointly with the American Society of Clinical Oncology) - Bert Vogelstein, Jeffrey Sklar, Thaddeus P. Dryja, Dennis J. Slamon

**Endogenous Hormones and Cancer** - Malcolm C. Pike, Brian MacMahon, Richard R. Love, Ronald K. Ross

**Epidermal Growth Factor Receptors in Malignancy** John Mendelsohn, George J. Todaro, Joseph Schlessinger, Adrian L. Harris

**Symposia**

**Cancer Chemoprevention: Present and Future** Lee W. Wattenberg, Martin Lipkin, Michael B. Sporn, Eric J. Stanbridge

**New Developments in Experimental and Human Pancreatic Cancer** - Parviz M. Pour, Murray Korc, Manuel Perucho, Eric P. Sandgren, Richard S. Metzgar

**Human Tumor-associated Antigens: Molecular Profile and Clinical Applications** - Ingegerd Hellström, Jeffrey Schlom, Alan N. Houghton, Soldano Ferrone

**Novel Molecular Events in the Cell Cycle** - Arthur B. Pardee, Joan Ruderman, Ed Harlow, Jerard Hurwitz

**Recent Developments in Breast Cancer Research** Ruth Sager, Pierre Chambon, Joyce Taylor-Papadimitriou, William L. McGuire, Robert Callahan

**Antisense Oligonucleotides as Regulators of Gene Expression** - Jack S. Cohen, Richard S. Paules, John Reed, Gerald Zon

**Papillomaviruses and Human Cancer** - Janet S. Butel, Louise A. Brinton, Thomas R. Broker, Peter M. Howley, Daniel DiMaio

**Cytokines: Their Biology and Potential for Regulation** - Joost J. Oppenheim, Hans Schreiber, Thomas A. Waldmann, Michel Revel

**Effects of Glucocorticoid Receptors on Cell Growth and Gene Expression** - E. Brad Thompson, Gordon M. Ringold, E. Aubrey Thompson, Gary L. Firestone

**Extracellular Matrix Regulation of Growth and Gene Expression** - Lola M. Reid, Hynda K. Kleinman, Mina J. Bissell, Israel Vlodavsky, H. Edward Conrad, Charles E. Myers

**Metastasis: Genetic Mechanisms and Cytokine Signal Transduction** - Lance A. Liotta, Garth L. Nicolson, Patricia S. Steeg, Claudia A. Landis, Robert S. Kerbel

**c-fos, c-jun, and Other Nuclear Binding Factors** B. Robert Franza, Jr., Rodrigo Bravo, Richard Treisman, Robert G. Roeder

**Endogenous versus Exogenous Factors as Major Cancer Risk Determinants** - Bruce N. Ames, Brian E. Henderson, Steven R. Tannenbaum, Brooke T. Mossman

**Multidrug Resistance in the Laboratory and Clinic** Michael M. Gottesman, Igor B. Roninson, William T. Beck, William S. Dalton

**SPECIAL  
LECTURES**

**Presidential Address** - Harris Busch  
Baylor College of Medicine, Houston, TX  
**Clowes Award Lecture** - Erkki Ruoslahti  
La Jolla Cancer Research Foundation, La Jolla, CA  
**Rosenthal Award Lecture** - Carlo M. Croce  
Fels Institute for Cancer Research and  
Molecular Biology, Philadelphia, PA  
**Rhoads Award Lecture** - Ronald M. Evans  
Salk Institute for Biological Studies, San Diego, CA

**SESSIONS OF  
PROFERRED  
PAPERS**

Minisymposia, poster discussion sessions, and regular poster sessions will be organized from over 2,700 submitted papers in all areas of cancer research.

**POST-MEETING  
WORKSHOPS**  
Saturday, May 26

Separate registration fee required; advance registration recommended.

**The Polymerase Chain Reaction: Its Subtleties and Application** - Bernard J. Polesz, Randy Saiki, George E. Mark III, Garth Ehrlich

**Introducing Genes into Mammalian Cells with Retroviral Vectors** - James A. Zwiebel, Eli Gilboa, Dina Markowitz, Martin Egltis

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Commercial Firms	\$250

\*\$15 discount for advance registration received by March 30, 1990.  
\*\*\$5 discount for advance registration received by March 30, 1990.

**SATELLITE  
MEETING**

**The Molecular Basis of Tumor Immunology**  
Program Committee: Tak W. Mak, Chairperson, Lloyd J. Old, Ellen S. Vitetta  
May 20-22 Sheraton Reston Hotel, Reston, VA

**PUBLICATIONS**

The Proceedings of the American Association for Cancer Research contains all abstracts deemed acceptable by the Program Committee and extended abstracts of symposium presentations and special lectures. The Proceedings is received by all subscribers to the journals *Cancer Research* and *Cell Growth & Differentiation*, or it may be purchased at the time of registration for \$25.

The Program of the Annual Meeting of the American Association for Cancer Research is included in the registration fee.

**EMPLOYMENT  
REGISTER**

Detailed listings of available positions and prospective candidates will be available for consultation during the Annual Meeting and will be published in the Proceedings and in two issues of the Association's journal *Cancer Research*. Interviews will be scheduled in Washington.

**TRAVEL  
AWARDS FOR  
YOUNG  
INVESTIGATORS**

**Upjohn Awards**  
For presenters of meritorious abstracts as selected by the Program Committee. No formal application necessary. Predoctoral students, postdoctoral fellows, and physicians in training are eligible. Upjohn Company sponsors awards to investigators in North America; Upjohn International, Inc., to investigators in other countries.

**Comprehensive Minority Biomedical Program  
of the National Cancer Institute**

For predoctoral students, postdoctoral fellows, or physicians in training in the U.S. and Canada from minority groups that have been traditionally underrepresented in cancer research.

**WICR SESSION**

**NIH Grants: What You Need to Know**  
A special session organized by Women in Cancer Research open to all registrants at the AACR Meeting.

**DEADLINES**

**Advance Registration** (includes advance mailing of Program and Proceedings) **March 30, 1990**  
**Hotel Reservations** **April 30, 1990**

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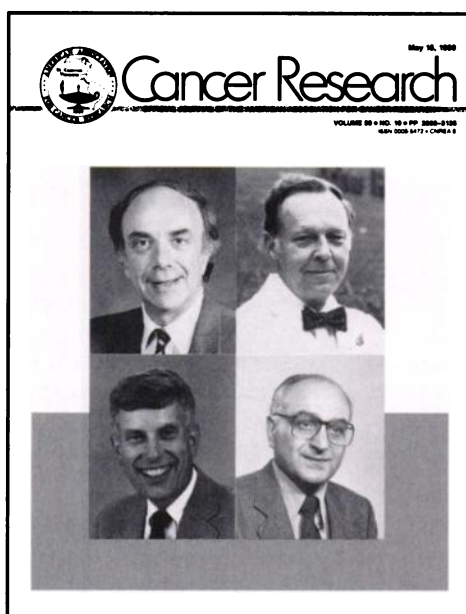
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# COVER LEGEND

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Pictured on this issue's cover are the officers of the American Association of Cancer Institutes: *top left*, Sydney Salmon, University of Arizona Cancer Center, President; *top right*, Albert Owens, Johns Hopkins Oncology Center, Vice-President; *bottom left*, O. Ross McIntyre, Norris Cotton Cancer Center, Hanover, New Hampshire, Chairman, Board of Directors; and, *bottom right*, Edwin A. Mirand, Roswell Park Cancer Institute, Secretary-Treasurer.

The Association was originally organized in 1959, as the Association of Cancer Institute Directors, to meet a perceived need for communication among the leadership of cancer institutes, and, in its present form, was incorporated in the State of Missouri on February 9, 1973. Its membership now consists of 76 institutions committed to cancer research, education, and patient care and rehabilitation. The Association represents a resource for implementation of the National Cancer Program mandated by the National Cancer Act of 1971. Its four classes of membership, regular, affiliate, corresponding, and sustaining, include all of the major cancer centers of the United States. It holds one or two meetings each year, providing ongoing opportunities to consider common administrative problems and progress in research, treatment, and education, and, through formal and informal exchanges, maintains communication with the United States Congress, the National Cancer Institute, and other national and international cancer organizations and programs.

The objectives of the Association are: to foster communication, discussion, and interinstitutional collaboration at various levels; to support collaborative programs in research, education, and training; and to provide guidance to federal, state, and local governments and to private and civic organizations dealing with public and professional health education.

Among the founders were George E. Moore of Roswell Park, R. Lee Clark of M. D. Anderson, Sidney Farber of Children's Cancer Research Foundation (now Dana-Farber Cancer Center), C. P. Rhoads of Memorial Sloan-Kettering Center, Timothy R. Talbot, of Fox Chase Cancer Center, William L. Simpson of the Detroit Cancer Institute, E. M. Daland of Pondville Hospital, and J. R. Heller of the National Cancer Institute.

Edwin A. Mirand