

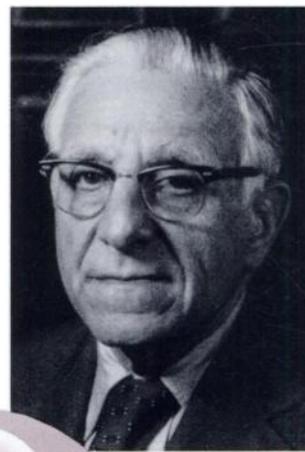
January 1, 1991



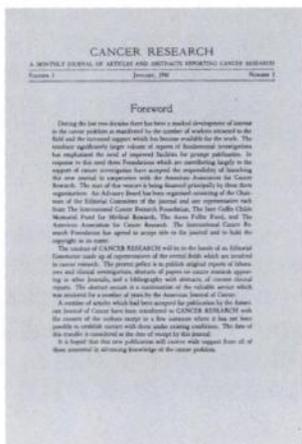
Cancer Research

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50 Years of Publication



CANCER RESEARCH
A MONTHLY JOURNAL OF ARTICLES AND ABSTRACTS REPORTING CANCER RESEARCH
January, 1991

Foreword

During the last two decades there has been a marked development of interest in the cancer problem as evidenced by the number of workers engaged in the field and the increased support which has become available for the work. The resulting significantly larger volume of reports of fundamental investigations has emphasized the need of improved facilities for prompt publication, in order to do and disseminate rapidly the results of research which are essential to progress in the fight against cancer. The American Association for Cancer Research, the largest of our research organizations, has accepted the responsibility of handling the most essential reports in cooperation with the American Association for Cancer Research. The need of the moment is being handled promptly by these two organizations. An Advisory Board has been organized consisting of the Chairman of the Editorial Committee of the journal and our representative with the International Cancer Research Foundation, The J. Paul Getty Center, National Cancer Institute, National Cancer Institute, and the American Association for Cancer Research. The International Cancer Research Foundation has agreed to accept title to the journal and to hold the copyright in it.

The content of CANCER RESEARCH will be on the basis of an Editorial Committee made up of representatives of the several fields which are involved in cancer research. The primary policy is to publish original reports of laboratory and clinical investigations, abstracts of papers on cancer research appearing in other journals, and a bibliography with abstracts of relevant clinical reports. The abstract service is a continuation of the reliable service which has been maintained for a number of years by the American Journal of Cancer.

A number of articles which had been accepted for publication by the American Journal of Cancer have been transferred to CANCER RESEARCH with the consent of the referee group in a few instances where it has not been possible to publish material with their usual mailing conditions. The date of the transfer is indicated in the list of reports by the journal.

It is hoped that this new publication will receive wide support from all of those concerned in advancing knowledge of the cancer problem.

Cellular and Molecular Targets for Chemoprevention

A WORKSHOP SPONSORED BY
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March 16-19, 1991

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Topics include: Cell membrane modification, oncogene modulation, polyamine synthesis inhibition, and free-radical scavengers.

Registration is required; space is limited; posters are invited.

FOR FURTHER INFORMATION, CONTACT:
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1801 Rockville Pike, Suite 500
Rockville, MD 20852
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DIRECTOR OF THE RUSH CANCER INSTITUTE

The Rush-Presbyterian-St. Luke's Medical Center seeks a nationally recognized clinical or basic scientist to serve as the Director of a newly developed Cancer Institute to be established within the Rush-Presbyterian-St. Luke's Medical Center. Such an individual shall have a reputation as a distinguished investigator and shall have had experience and national recognition in organizing and directing a large multidisciplinary clinical and/or basic cancer research program. The Director of the Rush Cancer Institute shall have responsibility and authority for the organization and administration of the Rush Cancer Institute. The Director shall direct and coordinate the clinical activities of those multidisciplinary cancer health care programs that are affiliated with the Rush Cancer Institute. The Director of the Institute shall be expected to develop several independent programs of investigative activity in cancer research with appropriate resources, facilities, and space. The Director of the Institute shall be responsible for recruiting scientists and clinicians for specific research program areas that are to be developed. The clinical cancer programs will be housed in a newly constructed Rush Institute Professional Building, and the basic research program will be located in Rush research facilities. Rush-Presbyterian-St. Luke's Medical Center is an Equal Opportunity Employer.

Interested candidates should address inquiries and curriculum vitae to:

Joseph E. Parrillo, M.D., Chairman
Rush Cancer Institute Search Committee
Rush-Presbyterian-St. Luke's Medical Center
1653 West Congress Parkway, Room. 1021-Jelke Bldg.
Chicago, Illinois 60612
Office #(312) 942-2998 FAX #(312) 942-5829

Notice to Members of the American Association for Cancer Research

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President: I. Bernard Weinstein, Columbia University College of Physicians & Surgeons, New York, NY 10032

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Executive Director: Margaret Foti, AACR, Public Ledger Building, Suite 816, 6th & Chestnut Streets, Philadelphia, PA 19106.

Annual Dues

The annual dues of active members of the American Association for Cancer Research are \$125.00 and they include a subscription to either *Cancer Research* or *Cell Growth & Differentiation*. \$160.00 covers annual dues plus subscriptions to both journals. Corresponding members of the Association should add \$60.00 to this rate to offset postage costs for *Cancer Research*. Payment of dues and changes of address of members of the Association should be sent promptly to: Member Services, American Association for Cancer Research, Inc., Public Ledger Building, Suite 816, 6th & Chestnut Streets, Philadelphia, PA 19106 (215) 440-9300.

Back Issues and Single Copy Sales of the Journal

Copies of back stock of the journal *Cancer Research* may be ordered from Waverly Press, Inc. As long as supplies permit, single copies of *Cancer Research* will be sold by this company at \$22.00 per copy for regular issues and \$22.00 per copy for Supplement issues which contain material from conferences on topics related to cancer. The annual *Proceedings of the American Association for Cancer Research* is available at \$25.00 per copy. Orders outside the U. S. and Canada add \$2.00/copy to offset postage costs.

Advertisements in *Cancer Research*

Advertisement insertion orders and copy must be received 60 days prior to the date of issue in which the advertisement is to be published. The journal is mailed approximately 7 days preceding the date of issue. Inquiries about advertising should be directed to: Gary A. Walchli, Williams and Wilkins, 428 E. Preston Street, Baltimore, MD 21202. Telephone: (301) 528-4280.

Historical Cover Themes

Readers are invited to submit themes (events, persons, institutions) for consideration for the illustrated covers of *Cancer Research*. Correspondence regarding suggested cover themes, or other matters regarding covers, should be addressed to the Cover Editor, AACR Publications Department.

Submission of Manuscripts

Manuscripts should be sent to the attention of: Dr. Carlo M. Croce, Editor-in-Chief, AACR Publications Department, American Association for Cancer Research, Public Ledger Building, Suite 816, 6th & Chestnut Streets, Philadelphia, PA 19106 (215) 440-9300. If accepted, they will be listed under one of ten categories in the Table of Contents. Please specify in a covering letter which category applies to your submission: Basic Sciences section—biochemistry and biophysics, carcinogenesis, endocrinology, immunology, molecular biology and genetics, preclinical pharmacology and experimental therapeutics, tumor biology, virology; Clinical Investigations section—clinical studies, epidemiological studies. (Final categorization in the Table of Contents is at the discretion of the Editor-in-Chief.) Consult the "Instructions for Authors" printed in the January 1 issue of the journal for other submission requirements. Reprints of the "Instructions" are available upon request.

Manuscript Processing Fee

Journal policy requires that a manuscript processing fee of \$75.00 be assessed for each paper to defray the expenses incurred in the editorial review process. Each manuscript submitted for publication should be accompanied by a check (drawn on a U.S. bank) or purchase order for \$75.00 in U. S. currency, payable to *Cancer Research* at the above address. Note: If an author resubmits a manuscript that our Editors previously found unacceptable for publication, it is journal policy to consider it a new submission, assign it a new manuscript number, and charge the author another \$75.00 handling fee to cover the cost of review.

Page Charges

Accepted manuscripts will be published with the understanding that the author(s) will pay a charge of \$65.00 per printed page. Under exceptional circumstances, when no source of grant or other support exists, the author(s) may apply to Dr. Carlo M. Croce, Editor-in-Chief, at the time of submission, for a waiver of the page charges. All such applications must be countersigned by an appropriate institutional official stating that no funds are available for the payment of page charges.

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The Copyright Revision Act (PL 94-553), which became effective January 1, 1978, states that the copyright of a work is vested in the author from the moment of creation. Therefore, all authors who wish to publish in *Cancer Research* must formally transfer copyright to the proprietor of the journal, the American Association for Cancer Research, Inc. It is understood by this transfer that the authors relinquish all exclusive rights of copyright ownership, including the rights of reproduction, derivation, distribution, sale, and display.

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The duly authorized agent of a commercial firm or commissioning organization must sign the transfer form if the author prepared the article as part of his or her official duties as an employee.

Appropriate forms for transfer of copyright will be sent routinely with acknowledgment of receipt of manuscripts for review. They may also be requested from the AACR Publications Department. The journal will not publish a paper unless the form is properly completed and signed.

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Between June 1978 and August 1983, a fee code appeared on the first page of all articles for which *Cancer Research* owned the copyright. For those issues, it is understood that any articles which did not carry this code are in the public domain.

Cancer Research is abstracted or indexed in *Biological Abstracts*, *Chemical Abstracts*, *Index Medicus*, *Science Citation Index*, and by the *International Cancer Research Data Bank*.

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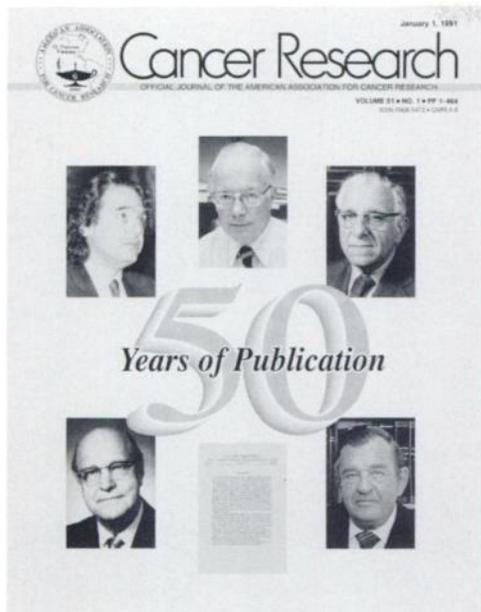
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American Association for Cancer Research
Public Ledger Building, Suite 816
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Philadelphia, PA 19106
215-440-9300 215-440-9313 (FAX)

Application Deadline:
December 3, 1990

Late applications will be accepted on a space-available basis.

COVER LEGEND



In this issue, *Cancer Research*, the official journal of the American Association for Cancer Research, celebrates fifty years of successful publication. It is the successor to the *Journal of Cancer Research* (1916–1930) and the *American Journal of Cancer* (1931–1940), both of which were sponsored by the Association. With the financial backing of the International Cancer Research Foundation in Philadelphia, which assumed ownership of the new journal, as well as grants from the Jane Coffin Childs Fund for Medical Research and the Anna Fuller Fund, the inaugural issue of *Cancer Research* appeared in January 1941. It had been agreed that the content of this publication would be confined to reports of experimental work and that primary control of editorial policy and management would be exercised solely by the Association. A nonprofit subsidiary, Cancer Research, Inc., was formed in 1948 to take responsibility for the financial aspects of the journal, with both corporations being served by the same officers. In 1949, journal ownership was transferred to the American Association for Cancer Research, Inc. In a final structural simplification, Cancer Research, Inc. was dissolved in 1987, and its assets were transferred to the Association.

The Association takes pleasure in paying special tribute to the Editors of *Cancer Research*. The initial Editors served for only brief periods. They were: James B. Murphy, January 1941–December 1944; William H. Woglom, January 1945–June 1946; Stanhope Bayne-Jones, July 1946–March 1947; Baldwin Lucke, April 1947–December 1948; and Paul E. Steiner, Jan-

uary 1949–December 1949. Fortunately for the Association, the more recent Editors held office with great distinction for longer terms. Their accomplishments as unusually capable and fair-minded Editors obviously earned a high degree of satisfaction from the Board of Directors, the members of the Association, and the many other subscribers to the journal.

The first of these was Harold P. Rusch, *bottom left*, Director (1940–1964) of the McArdle Memorial Laboratory for Cancer Research of the University of Wisconsin, who was Editor from January 1, 1950 to December 31, 1964. *Cancer Research* for 1949 contained 775 pages; in 1964 it had 2053 pages, a remarkable expansion under his expert guidance. Dr. Rusch was AACR President from 1953 to 1954 and was elected to Honorary Membership in 1980. He died of cancer in 1988.

In continuation of this outstanding stewardship of the journal, Michael B. Shimkin, *bottom right*, Professor of Medicine of the Fels Research Institute, Temple University School of Medicine, became Editor on January 1, 1965 and served until June 30, 1969, when he relocated to California. He was AACR President from 1973 to 1974 and was elected to Honorary Membership in 1986. Dr. Shimkin was responsible for the inauguration of the special historical covers of the journal and served as Cover Editor from 1966 to 1985. The 1969 issue of the journal contained 2515 pages. His death in 1989 was another serious loss for the Association.

Sidney Weinhouse, *upper right*, Director (1963–1974) of the Fels Research Institute, was Editor from July 1969 to December 31, 1979 and also became Cover Editor in 1986. He was AACR President from 1981 to 1982 and was elected to Honorary Membership in 1985. As Editor, Dr. Weinhouse insisted upon thorough and equitable reviews of manuscripts and doubled the number of Associate Editors and members of the Editorial Advisory Board. The 1979 journal contained 5307 pages encompassing the growing subspecialties within cancer research and thus enhancing its prestige.

Peter N. Magee, *upper middle*, Director (1975–1988) of the Fels Research Institute, was Editor from January 1, 1980 to December 31, 1989. During this decade, the journal dealt with exceptionally rapid advances in the research attack on cancer and totaled 7266 pages in 1989. Dr. Magee further expanded the number of Associate Editors to include more from countries outside the United States and attracted many manuscripts from foreign authors. Beginning in 1987, the journal was issued semimonthly.

Once more, the Director (1989–) of the Fels Research Institute, this time Carlo M. Croce, *upper left*,

became Editor-in-Chief of *Cancer Research* on January 1, 1990. He has taken measures to expand the scope of the journal, particularly in molecular biology, and shorten the review and publication processes. Dr. Croce has instituted a new feature for the rapid communication of exciting new findings, entitled "Advances in Brief," the first one of which appeared in the November 1, 1990 issue.

Of inestimable value to the Editors has been the assistance of their Managing Editors, Ilse Riegel for Harold Rusch and Margaret Foti for the more recent Editors, along with the outstanding work of the editorial staff and the guidance of the Publications Committees. The high quality of *Cancer Research* has been maintained over the years by the remarkable volunteer assistance of hundreds of Associate Editors, Editorial Advisory Board Members, and thousands of outside reviewers of submitted manuscripts. Because of these efforts, *Cancer Research* is the most highly cited cancer journal in the world and ranks 21st among 5000 international scientific journals.

During the period 1941–1990, in which the size of the journal increased more than tenfold, the costs of production and distribution also rose, surpassing \$2 million in 1990. Some 35 to 45% of these costs were provided by substantial grants from the American Cancer Society and the National Cancer Institute from 1964 to 1984. *Cancer Research* has become more self-sufficient in recent years with grant support dropping to 6%. Especially valuable in this regard has been the increase in membership of the Association from 1300 to 6300 and in the number of subscribers from 3000 to 7500 during the period 1964–1990. It is anticipated that *Cancer Research*, already recognized as a successful multidisciplinary journal by the medical research community, will become even more comprehensive in its coverage of all aspects of modern cancer research.

Hugh J. Creech
AACR Archivist