

Cancer Epidemiology & Prevention

Biomarkers

A Publication of the American Association for Cancer Research ■ Cosponsored by the American Society of Preventive Oncology

American Association for Cancer Research, Inc.

**Executive Director and
Director of Publications**
Margaret Foti

Publications Staff

**Associate Director
of Publications**
Mary Anne Mennite

Production Manager
Heide M. Puszta

Staff Editor
Martha Michael

Editorial Assistants
Angela Barry
Linda Pote Musumeci

Supervisor, Manuscript Processing
Margaret A. Pickels

Editorial Secretaries
Theresa A. Griffith
Mary Ellen Perring
June A. Holloway
Valerie L. Taylor

Administrative Staff

**Associate Director of
Administration**
Adam D. Blistein

Senior Accountant
Anthony P. Blengino

Financial Assistant
George L. Moore

**Meetings and Development
Coordinator**
Jeffrey M. Ruben

Executive Assistant for Programs
Ruth E. Fortson

Administrative Assistant
Elizabeth A. Moore

**Secretary for
Member Services**
Robin E. Felder

Editorial Secretary
Diana F. Certo

Editor-in-Chief

Pelayo Correa

Associate Editors

Webster K. Cavenee
Joseph F. Fraumeni, Jr.
Ellen R. Gritz
Curtis C. Harris
W. Thomas London
Thomas E. Moon
Steven R. Tannenbaum
Alice S. Whittemore

Assistant Editor

Elizabeth T. H. Fontham

Editorial Advisory Board

David B. Abrams
Bruce K. Armstrong
Helmut Bartsch
Valerie Beral
John S. Bertram
Joan R. Bloom
William J. Blot
John D. Boice, Jr.
George E. Bonney
Ricardo R. Brentani
W. Robert Bruce
Eva Buiatti
Lan Bo Chen
Philip Cole
K. Michael Cummings
Susan J. Curry
Eduardo DeStefani
Paul F. Engstrom
Virginia L. Ernster

Yu Tang Gao
E. Robert Greenberg
Raymond S. Greenberg
Peter Greenwald
John D. Groopman
F. Peter Guengerich
Clark W. Heath, Jr.
Stephen S. Hecht
Kari Hemminki
Rolando Herrero
Elizabeth A. Holly
Lars-Erik Holm
Robert N. Hoover
Geoffrey R. Howe
Barbara S. Hulka
Ronald H. Jensen
Fred F. Kadlubar
Leo J. Kinlen
Alfred G. Knudson, Jr.
Laurence N. Kolonel
Frederick P. Li
Lance A. Liotta
Martin Lipkin
Richard R. Love
Christopher J. Michejda
John D. Minna
Ruggero Montesano
John J. Mulvihill
Nubia Muñoz
Alfred I. Neugut
Abraham M. Y. Nomura
Gilbert S. Omenn
C. Tracy Orleans
David L. Page

Frederica Perera
Nicholas L. Petrakis
Miriam C. Poirier
John D. Potter
Ross Prentice
Barbara Rimer
George C. Roush
Jose Russo
Jonathan M. Samet
Rodolfo Saracci
David Schottenfeld
Paul A. Schulte
Roy E. Shore
Margaret R. Spitz
Louise C. Strong
Takashi Sugimura
G. Marie Swanson
James A. Swenberg
Cesar Vitoria
Jürgen Wahrendorf
Nicholas Wald
Lee W. Wattenberg
I. Bernard Weinstein
John H. Weisburger
Walter C. Willet
Rodger J. Winn
Gerald N. Wogan
Sandra R. Wolman
Ernst L. Wynder
Mimi C. Yu
Witold Zatonski
Harald zur Hausen

Cancer Epidemiology, Biomarkers & Prevention is published bimonthly, one volume per year, by the American Association for Cancer Research, Inc. Except for members of the American Association for Cancer Research, all subscriptions are payable in advance to Waverly Press, Inc., 428 E. Preston St., Baltimore, Maryland 21202, to which all business communications, remittances (in United States currency or its equivalent), and subscription orders should be sent. In Japan, send orders and inquiries to (sole agent): USACO Corporation, Tsutsumi Bldg., 13-12, Shimbashi 1-chome, Minato-ku, Tokyo 105, Japan; Tel. (03) 502-6471. Nonmembers of the American Association for Cancer Research within the United States may subscribe to Volume 1 of **Cancer Epidemiology, Biomarkers & Prevention** at the rate of \$85.00 (individual nonmembers) or \$130.00 (institutional nonmembers), including postage. Institutional and individual nonmembers outside of the United States should add \$20.00 to their respective rates to offset postage costs. Air mail and other means of delivery are available at extra charge; contact Waverly Press for information. Changes of address notification should be sent 60 days in advance and include both old and new addresses. Member subscribers should send address changes to: Member Services, American Association for Cancer Research, Inc., Public Ledger Bldg., 620 Chestnut St., Suite 816, Philadelphia, PA 19106-3483. Nonmember subscribers should notify Waverly Press of changes of address. Copies of the journal which are undeliverable because of address changes will be destroyed.

Copyright © 1991 by the American Association for Cancer Research, Inc.

This One



CX8P-7TJ-0YA6