Instructions for Authors

Scope
Cancer Epidemiology, Biomarkers & Prevention publishes original research on cancer causation and prevention in humans. The following topics are of special interest: descriptive, analytical, biochemical and molecular epidemiology; the use of biomarkers to study the neoplastic and preneoplastic processes in humans; chemoprevention and other types of prevention trials; and the role of behavioral factors in cancer etiology and prevention.

Particular attention will be given to the identification of factors associated with various aspects of the carcinogenic process, including genetic susceptibility, host factors, infectious agents, chemical and physical carcinogens, environmental contaminants, dietary components and behavioral factors such as tobacco use and sun exposure.

Besides welcoming manuscripts that address individual subjects in any of the three disciplines, the Editors encourage the submission of manuscripts with an interdisciplinary approach.

Contents
- Original research articles
- Invited editorials
- Selected review articles
- AACT and ASPO news
- Short communications
- Letters to the editors
- Meeting reports

Editorial Policy
When a manuscript is received for consideration, the Editors assume that no similar paper has been or will be submitted for publication elsewhere. Further, it is understood that all authors listed on a manuscript have agreed to its submission. Upon acceptance, authors must transfer copyright to the American Association for Cancer Research, Inc., the publisher and copyright owner of the journal, prior to publication. The Editors endorse the principles embodied in the Declaration of Helsinki and expect that all investigations involving humans will have been performed in accordance with these principles. A copy of the Declaration is available from the American Medical Association, 535 North Dearborn Street, Chicago, IL 60610.

Manuscript Submission
Mail manuscripts directly to Dr. Pelayo Correa, Editor-in-Chief.
Submit four original sets (not photostats) of illustrations along with four copies of the manuscript. Illustrations will be returned to the author if the paper is not accepted for publication. If a manuscript is closely related to papers that are in press or have been submitted elsewhere, please provide copies of those papers with your submission. The publisher welcomes disks to expedite production of accepted manuscripts. If your paper is accepted for publication, you will receive instructions and a form for disk submission. Hard copy of the manuscript must accompany your disk. FAX transmission and overnight delivery service will be used to expedite review and publication.

Format
Manuscripts must be written succinctly in clear, grammatical English. Define abbreviations in an inclusive footnote to the text. Double-space on 8 1/2 x 11-inch paper. Dot-matrix printing is not acceptable. The format is as follows:
1. Title page, including title, authors, and affiliations;
2. A running title of fewer than 50 characters;
3. Text, arranged in this order: Abstract (not more than 250 words), Introduction, Materials and Methods, Results, Discussion, Acknowledgments, References;
4. Footnotes, on a separate page from the text. Designate footnotes consecutively with superscript Arabic numerals;
5. Tables, on pages separate from the text, with descriptive titles and/or legends;
6. Figure legends, on pages separate from the text. Define all symbols and include staining for halftones, where applicable.

References
Include only those articles that have been published or are in press. Unpublished data or personal communications must be cited as footnotes to the text. Personal communications should be substantiated by a letter of permission.

Number references in the order of their first mention in the text. Cite only the number assigned to the reference. References must be double-spaced.

Sample references:

Illustrations
Provide four original sets of illustrations (whether line-cut drawings or halftones). Label each figure in pencil on the reverse side with the first author's name, figure number, and an arrow indicating top of figure. Letters and numbers on illustrations should not be larger than 12-point type. All illustrations will be published at a width of approximately 3 inches (8 cm) unless the author requests a greater width. Use tissue overlays to indicate important areas of the photographs that must be reproduced with the greatest fidelity.

The complete expense of reproducing color photographs will be charged to the author. Submit color illustrations on flexible backing.

Proofs
Page proofs must be returned to the office of the American Association for Cancer Research within 48 hours of receipt. Return proofs by overnight mail. Proofs not received by the deadline will be published without the authors' corrections. Accepted manuscripts are regarded as final copy and should not be altered substantially in proof. Authors will be charged for all changes in proof not due to printer's errors. Each author's alteration in any line of text costs approximately $6.10. Lengthy insertions of entire sentences or paragraphs are billed at different rates depending upon the complexity of the alterations.

For More Information, Contact:
Dr. Pelayo Correa, Editor-in-Chief, CEBP, Department of Pathology, Louisiana State University Medical Center, 1901 Perdido Street, New Orleans, LA 70112-1393. Telephones: (504)529-2848; (504)568-6035; FAX: (504)529-2843.
Or:
FEBRUARY 1-6, 1993
Oncogenes and Antioncogenes in Differentiation, Development, and Human Cancer
Chairperson: Carlo M. Croce, Philadelphia, PA
Big Sky Resort, Big Sky, MT

MARCH 15-20, 1993
Mechanism of Action of Retinoids, Vitamin D, and Steroid Hormones
Chairpersons: Michael B. Sporn, Bethesda, MD; Ronald M. Evans, San Diego, CA; David Mangelsdorf, San Diego, CA
Banff Centre, Banff, Alberta, Canada

APRIL 13-17, 1993
Genetic Control of Cell Growth
Supported by a Generous Grant from the General Motors Cancer Research Foundation
Chairpersons: Leland H. Hartwell, Seattle, WA; Peter K. Vogt, Los Angeles, CA; George F. Vande Woude, Frederick, MD
San Luis Hotel, Galveston, TX

MAY 19-22, 1993
84th Annual Meeting
Chairperson: Michael B. Sporn, Bethesda, MD
Orange County Convention Center, Orlando, FL

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 Carcinogenesis
Joint Meeting with International Association for Research on Cancer
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)
Chairperson: Garth Powis, Tucson, AZ
El San Juan Hotel, San Juan, PR

JANUARY 17-22, 1994
Risk Assessment in Environmental Carcinogenesis
Chairpersons: Philip C. Hanawalt, Berkeley, 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 21-26, 1994
Genomic Instability and Cancer
Chairpersons: Thea D. Tlsty and Lawrence A. Loeb, Banff Springs Hotel, Banff, Alberta, Canada

AACR members will receive brochures on the above special conferences as soon as they are available. Nonmembers should call or write:
American Association for Cancer Research
Public Ledger Building
620 Chestnut Street, Suite 816
Philadelphia, PA 19106-3483
215-440-9300 • 215-440-9313 (FAX)
Human Tissue Monitoring and Specimen Banking: Opportunities for Exposure Assessment, Risk Assessment, and Epidemiologic Research

March 30 - April 1, 1993
Research Triangle Park, North Carolina, USA

Symposium Goals
This symposium will provide a state-of-the-art overview of human exposure assessment, biomonitoring techniques and advances in human tissue specimen banking. The program also will address the application of these techniques and advances to the design of tissue specimen banks to serve future research needs in the areas of human exposure assessment, risk assessment, and environmental epidemiology.

Registration
Register immediately by phone by calling the School of Public Health, The University of North Carolina at Chapel Hill, 919/966-4032 or fax your registration to 919/966-5692.

Sponsors
U.S. Environmental Protection Agency  School of Public Health, The University of North Carolina at Chapel Hill

Epidemiologist -- International Cancer Studies

The Fred Hutchinson Cancer Research Center is seeking an experienced epidemiologist to develop and coordinate international studies of cancer risk factors. The intended studies will involve questionnaires and specimen collection on random samples of individuals in geographic areas covered by good cancer registries worldwide. The studies will examine the extent to which known cancer risk factors can explain international variations in cancer incidence rates, will provide information on diet and cancer associations that will complement emerging results from analytic epidemiology, and will provide the basis for studies of serum and DNA markers in relation to cancer risk.

Candidates should have a Ph.D. or M.D. with training experience in epidemiology. Experience in nutritional epidemiology, cancer registration and survey sampling is highly desirable. Appointment at the Assistant or Associate Member level is intended and a corresponding academic appointment at the Assistant or Associate Professor level in the University of Washington’s Department of Epidemiology is anticipated. Candidates should send a curriculum vitae and list of four references to:

Dr. Ross Prentice
Director, Division of Public Health Sciences
Fred Hutchinson Cancer Research Center
1124 Columbia Street -- MP-665
Seattle, Washington 98104

Deadline for applications is March 1, 1993. The Fred Hutchinson Cancer Research Center and the University of Washington are equal opportunity/affirmative action employers.
MECHANISM OF ACTION OF RETINOIDS, VITAMIN D, AND STEROID HORMONES

March 15-20, 1993
Banff Centre, Banff, Alberta, Canada

CONFERENCE CHAIRPERSONS
Michael B. Sporn / Bethesda, MD
Ronald M. Evans / San Diego, CA
David Mangelsdorf / San Diego, CA

PROGRAM COMMITTEE
Vincent Giguere / Toronto, Ontario, Canada
Morley Hollenberg / Calgary, Alberta, Canada
J. Wesley Pike / San Diego, CA

SCIENTIFIC PROGRAM

Keynote Address
Robert G. Roeder / New York, NY

DNA Binding/Heterodimers
Kazuhiko Umesono / San Diego, CA
Jeffrey D. Milbrandt / St. Louis, MO
Leonard P. Freedman / New York, NY
Christopher K. Glass / San Diego, CA
Magnus Pfahl / San Diego, CA

Three-Dimensional Structure of Receptors and Binding Proteins
Paul B. Sigler / New Haven, CT
Marcia Newcomer / Nashville, TN
Peter Wright / San Diego, CA

Development and Differentiation
David Mangelsdorf / San Diego, CA
Gregor Eichele / Houston, TX
Anita B. Roberts / Bethesda, MD

Vitamin D
J. Wesley Pike / San Diego, CA
Lise Binderup / Copenhagen, Denmark
Steven L. Teitelbaum / St. Louis, MO
Stavros Manolagas / Indianapolis, IN

Genetic Regulation by Retinoids and Steroids
Lorraine J. Gudas / New York, NY
Vincent Giguere / Toronto, Canada

Studies of Disease and Therapy
Anne Dejean / Paris, France
Bjorn Vennstrom / Stockholm, Sweden
Benjamin G. Neel / Boston, MA

Steroids and Related Receptors
Bert W. O'Malley / Houston, TX
Peter Herrlich / Karlsruhe, Germany
Roger L. Miesfeld / Tucson, Arizona
Herbert H. Samuels / New York, NY

Metabolism of Retinoids
Joseph F. Grippo / Nutley, NJ
Robert R. Rando / Boston, MA
Richard Heyman / San Diego, CA

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)
AMERICAN ASSOCIATION FOR CANCER RESEARCH

GUIDELINES FOR APPLICATION FOR ACTIVE AND CORRESPONDING MEMBERSHIP

BENEFITS OF MEMBERSHIP

The American Association for Cancer Research (AACR) is a scientific society consisting of laboratory and clinical cancer researchers. It was founded in 1907 "to bring together active investigators of the cancer problem for presentation and discussion of new or significant observations; and to foster research in cancer and other phenomena of growth." Members of the AACR enjoy the following benefits:

1. subscriptions to the journals Cancer Research, Cell Growth & Differentiation, and Cancer Epidemiology, Biomarkers & Prevention at the reduced member rate;
2. the privilege of sponsoring an abstract for presentation at the AACR annual meeting;
3. an advance copy of the Program and Proceedings pertaining to each annual meeting;
4. a reduced registration rate at all scientific meetings;
5. early notification of events in the AACR’s series of special conferences;
6. subscriptions to any future AACR journals at reduced member rates;
7. reduced rates for the AACR Employment Register;
8. the benefit of AACR’s public education activities;
9. the receipt of AACR newsletters, meeting announcements, and an up-to-date membership directory.

QUALIFICATIONS FOR MEMBERSHIP

Active membership in the AACR is open to investigators who live in the Americas, and who have conducted two years of meritorious research that has resulted in publications relevant to cancer. If a candidate is working in a research area not directly related to the cancer field but has conducted research of exceptional scientific merit, he or she may also qualify for membership.

Corresponding membership is open to qualified persons who are not residents of the Americas. The requirements for corresponding membership are the same as those for active membership. Visiting scientists from outside the Americas who intend to return to their countries of origin soon after submitting their applications should apply for corresponding membership. All other individuals should apply for active membership and transfer to corresponding status at a later date if they should leave the Americas.

PROCEDURES FOR APPLICATION

There are three deadlines for receipt of a membership application: March 1, July 1, and October 1 of each year. The Membership Committee will review all complete applications for active membership that have been received by these deadlines and will submit recommendations on each candidate to the Board of Directors which formally elects all members. The same procedure is followed by the Special Memberships Committee which receives applications for corresponding membership. Candidates will be notified according to the following schedule:

<table>
<thead>
<tr>
<th>Receipt of Application in AACR Office</th>
<th>Notification of Candidate</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 1</td>
<td>May</td>
</tr>
<tr>
<td>July 1</td>
<td>September</td>
</tr>
<tr>
<td>October 1</td>
<td>December</td>
</tr>
</tbody>
</table>

A complete application consists of the following material:

1. 6 copies of the form on the opposite side of this page, with all requested information provided.
2. 5 copies of the candidate’s most current curriculum vitae and bibliography.
3. 5 copies of a letter of recommendation from a nominator who is an active, emeritus, or honorary member of the AACR (at least one copy must be a signed, original letter). This letter should describe the candidate’s achievements in laboratory research, clinical investigations, or epidemiological research, and it should affirm that the research adheres to accepted ethical standards.—OR—The nominator may supply the responses requested at the bottom of the application form in the section entitled "STATEMENT OF SUPPORT" (at least one copy of the form must be the signed original).
4. 5 copies of a letter of recommendation as described in Item 3 above from a seconder who is an active, emeritus, or honorary member of the AACR (at least one copy must be a signed, original letter).—OR—The seconder may supply the responses requested at the bottom of the application form in the section entitled "STATEMENT OF SUPPORT" (at least one copy of the form must be the signed original).
5. 5 reprints of each of two publications on which the candidate appears as author.

All material should be collated into five complete sets with the original application form as a covering document and sent to the address given below. Questions regarding procedures for membership application may also be directed to the following address:

American Association for Cancer Research
Public Ledger Building
620 Chestnut St.
Suite 816
Philadelphia, PA 19106-3483
215/440-9300

RESPONSIBILITIES OF MEMBERSHIP

Candidates should be aware of the following responsibilities of membership in the AACR. Active members must pay annual dues, a major portion of which is designated for a subscription to at least one of the AACR’s publications. Newly elected members of the AACR who have already purchased subscriptions to Cancer Research, Cell Growth & Differentiation, or Cancer Epidemiology, Biomarkers & Prevention at the higher, nonmember rate will receive reimbursement of the unused portion of those subscriptions once their first year’s membership dues are paid in full.

All corresponding members elected after May 23, 1985, are required to pay an annual assessment in lieu of dues. This assessment, which is equivalent to that portion of the regular dues that pertains to support of activities other than publications, is imposed to defray the cost of sending AACR publications to members outside the Americas. Corresponding members may, if they wish, subscribe to Cancer Research, Cell Growth & Differentiation, or Cancer Epidemiology, Biomarkers & Prevention at the reduced member rate.

Applicants elected in May will be responsible for payment of that year’s dues; applicants elected in September and December will pay dues in the following year. Applicants elected in May and September will be eligible to sponsor an abstract for the next annual meeting. Every effort will be made to afford the same opportunity to applicants elected in December.

Margaret Foti
Executive Director
APPLICATION FOR MEMBERSHIP

CATEGORY OF MEMBERSHIP:  □ Active  □ Corresponding

NAME OF CANDIDATE: ___________________________ DATE OF BIRTH: ___________________________

LAST FIRST M.I.

PRESENT POSITION/TITLE: ___________________________

INSTITUTIONAL AFFILIATION: ___________________________

INSTITUTIONAL ADDRESS: ___________________________________________________________

(City) (State/Province) (Country) (Postal Code)

TELEPHONE NUMBER: ___________________________

FAX NUMBER: ___________________________

PRIMARY FIELD OF RESEARCH (Please check only one):

- Biochemistry and Biophysics
- Biostatistics
- Carcinogenesis
- Cellular Biology and Genetics
- Clinical Investigations
- Endocrinology
- Epidemiology
- Immunology
- Molecular Biology and Genetics
- Preclinical Pharmacology and Experimental Therapeutics
- Virology
- Other: ___________________________

(Please specify)

ACADEMIC DEGREES (Including where and when granted)

_________________________________________________________

EXPERIENCE SINCE HIGHEST DEGREE WAS GRANTED (Please list most recent first)

_________________________________________________________

_________________________________________________________

_________________________________________________________

PUBLICATIONS (Reprints of two articles on which the candidate appears as an author must accompany this application. For these two articles list the authors, title, journal, volume, inclusive pages, and year. Do not submit abstracts.)

_________________________________________________________

_________________________________________________________

_________________________________________________________

CANDIDATE NOMINATED BY: ___________________________ CANDIDATE SECONDED BY: ___________________________

(Please type or print)                               (Please type or print)

STATEMENT OF SUPPORT (in place of letters of recommendation)

Instead of submitting letters of recommendation, either the nominator or the seconder or both may complete the following section:

How long has the candidate worked in the field of cancer research? ___ years

Will the candidate make a long-term contribution to cancer research? ___ Yes ___ No

Does the candidate’s research adhere to accepted ethical standards? ___ Yes ___ No

I therefore recommend this candidate for membership in the American Association for Cancer Research.

Signature of nominator* ___________________________ Date ___________________________

Signature of seconder* ___________________________ Date ___________________________

See Guidelines for Application on the reverse side of this form for further instructions.

* Both nominator and seconder must be active, emeritus, or honorary members of the AACR.

(This form may be reproduced.)
QUALIFICATIONS FOR MEMBERSHIP

Associate membership is open to graduate students, medical students, postdoctoral fellows, and physicians in training who live in the Americas and who are following a course of study or who are working in a research program relevant to cancer.

BENEFITS OF MEMBERSHIP

The American Association for Cancer Research (AACR), a scientific society consisting of laboratory and clinical cancer researchers, was founded in 1907 "to bring together active investigators of the cancer problem for presentation and discussion of new or significant observations; and to foster research in cancer and other phenomena of growth." Associate members of the AACR enjoy the following benefits:

1. the privilege of sponsoring an abstract for presentation at the AACR annual meeting provided that (a) the associate member is the presenter of the abstract and (b) an active member in good standing of the AACR also signs the abstract in support of the work (in this instance, the active member who cosigns the abstract does not lose his or her own sponsorship privilege);
2. an advance copy of the Program and (if one has been purchased by the associate member) the Proceedings of the American Association for Cancer Research which contains abstracts of all papers being presented at each annual meeting;
3. the privilege of registering for the annual meeting at the low student rate (this rate is otherwise available only to predoctoral students);
4. preferred access to the AACR Employment Register;
5. optional subscriptions to the journals Cancer Research, Cell Growth & Differentiation, and Cancer Epidemiology, Biomarkers & Prevention at the reduced member rate;
6. subscriptions to any future AACR journals at reduced member rates;
7. early notification of events in the AACR’s new series of small scientific meetings on timely scientific topics;
8. the receipt of AACR newsletters, meeting announcements, and an up-to-date membership directory; and
9. the facilitation of informal scientific exchange with leading researchers in the cancer field.

PROCEDURES FOR APPLICATION

Persons wishing to apply for associate membership must use the official application form on the reverse side of these instructions. Each candidate for associate membership must be nominated by an active member in good standing of the AACR. Three completed copies of the form should be submitted; at least one of these copies must carry the original signatures of both the candidate and the active member nominator. The application form may be submitted to the Association Office at any time.

After review of applications for associate membership, the Executive Director will notify candidates of their election or deferral within one month of the receipt of the application form. A check in the amount of $20, which represents one year’s dues payment, must accompany the application. This fee will be refunded to any candidate deemed to be ineligible for associate membership. Checks should be in U.S. currency, made payable to AACR, Inc., and drawn on a U.S. bank. Send the three copies of the application form and the $20 dues payment to:

American Association for Cancer Research
Public Ledger Building
620 Chestnut St.
Suite 816
Philadelphia, PA 19106-3483
215/440-9300

RESPONSIBILITIES OF MEMBERSHIP

Associate members must pay annual dues in an amount to be determined by the AACR Board of Directors. Dues for 1992 have been set at $20 per year. If an application is submitted by August 31, the accompanying dues payment will be credited to the current year. Candidates submitting applications between September 1 and December 31 may indicate whether they wish their dues payments credited to the current or forthcoming year. Candidates should be aware, however, that associate members may sponsor an abstract for the annual meeting only if their dues for the current year are paid. For example, an associate member submitting an abstract in December 1991 for the forthcoming annual meeting must have paid dues for 1991. Any newly elected associate members of the AACR who have already purchased subscriptions to Cancer Research, Cell Growth & Differentiation, or Cancer Epidemiology, Biomarkers & Prevention at the higher, nonmember rate will receive a refund for the unused portion of that subscription upon receipt of their payment for a member’s subscription.

Each Fall the AACR will send to current associate members an invoice for dues for the forthcoming year. Payment of this invoice must be accompanied by a statement signed by the associate member’s current registrar, dean, or department head, verifying the member’s current academic status. The Association’s By-Laws state that dues are payable for each year in advance on or before January 1 of the year to which they should be applied. An individual may be an associate member for a maximum of five years. Each year in which an individual pays dues will count as one full year of associate membership. Thus, an associate member who pays dues for 1991 may retain associate membership until December 31, 1995. The Board of Directors may terminate the membership of an associate member whose dues are in arrears for two years.

Margaret Foti,
Executive Director
# APPLICATION FOR ASSOCIATE MEMBERSHIP

**NAME OF CANDIDATE:**

<table>
<thead>
<tr>
<th>LAST</th>
<th>FIRST</th>
<th>M.I.</th>
<th>DATE OF BIRTH:</th>
</tr>
</thead>
</table>

**INSTITUTIONAL AFFILIATION:**

**INSTITUTIONAL ADDRESS:**

<table>
<thead>
<tr>
<th>(City)</th>
<th>(State/Province)</th>
<th>(Postal Code)</th>
<th>(Country)</th>
</tr>
</thead>
</table>

**TELEPHONE NUMBER:**

**FAX NUMBER:**

**PRESENT ACADEMIC STATUS/TITLE (Please check only one):**

- Graduate Student
- Medical Student
- Physician in Training
- Postdoctoral Fellow

**PRIMARY FIELD OF RESEARCH (Please check only one):**

- Biochemistry and Biophysics
- Biostatistics
- Carcinogenesis
- Cellular Biology and Genetics
- Clinical Investigations
- Endocrinology
- Epidemiology
- Immunology
- Molecular Biology and Genetics
- Preclinical Pharmacology and Experimental Therapeutics
- Virology
- Other: __________________________

(Please specify)

**ACADEMIC DEGREES (Please indicate degree(s) acquired to date along with the name of the academic institution and date of receipt. Provide information on degree currently being sought and the anticipated date of completion of this degree program.)**

**RELEVANT RESEARCH EXPERIENCE NOT RELATED TO COURSE WORK (Please list most recent first.)**

**PUBLICATIONS (List the authors, title, journal, volume, inclusive pages, and year of any article in a peer-reviewed journal on which the candidate appears as an author. Do not list abstracts. Continue on a separate sheet, if necessary.)**

**CANDIDATE NOMINATED BY:**

(Please type or print name of AACR active member in good standing.)

**SIGNATURES**

I hereby apply for associate membership in the American Association for Cancer Research. I have read the instructions on the reverse side of this form, and I understand the privileges and responsibilities of this class of membership. I certify that the statements on this application are true.

Signature of Candidate: ____________________________ Date: ______________

I recommend this candidate for associate membership in the American Association for Cancer Research. To the best of my knowledge, the candidate is qualified for this class of membership, and the statements on this application are true.

Signature of Nominator*: ____________________________ Date: ______________

Submit three copies of this form. At least one copy must contain the original signatures of the candidate and the nominator. Enclose a check for $20 in U.S. funds made payable to AACR, Inc. and drawn on a U.S. bank. Check one of the following boxes only if this form is being submitted between September 1 and December 31:

- current
- upcoming

Calendar year.

(NOTE: If dues are applied to the forthcoming year, membership will take effect on January 1, but the candidate will not be eligible to sponsor an abstract for presentation at the annual meeting in May of that year.) See Guidelines for Application on the reverse side of this form for further instructions.

* Nominator must be active, emeritus, or honorary member of the AACR.

(This form may be reproduced.)
Continued

4,4’-Methylene-bis(2-chloroaniline)-DNA Adduct Analysis in Human Exfoliated Urothelial Cells by 32P-Postlabeling
Keith R. Kaderlik, Glenn Talaska, D. Gayle DeBord, Ana Maria Osorio, and Fred F. Kadlubar

A Randomized Double-Blind Intervention Study on the Effect of Calcium Supplementation on Esophageal Precancerous Lesions in a High-Risk Population in China
Li-Dong Wang, Song-Liang Qiu, Guan-Rui Yang, Martin Lipkin, Harold L. Newmark, and Chung S. Yang

Meeting Reports

Epidemiology of Ovarian Cancer
Appasaheb R. Patel and G. Iris ObraMS

Molecular and Biochemical Methods in Cancer Epidemiology and Prevention: The Path between the Laboratory and the Population
Pelayo Correa

Letter to the Editor

Letter. A. Morabia and E. L. Wynder
Reply. Roni T. Falk and Linda W. Pickle

AACR Bulletin Board

ASPO Bulletin Board

Instructions for Authors
Cancer Epidemiology
Biomarkers & Prevention

January/February 1993
Volume Two
Number One
Pages 1-92
ISSN 1055-9965

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

Editorial

Predictors of Future Breast Cancer Risk
Paul F. Engstrom

ASPO Distinguished Achievement Award Lecture

Introduction
Thomas E. Moon

Studies on the Epidemiology and Natural History of Benign Breast Disease and Breast Cancer Using Nipple Aspirate Fluid
Nicholas L. Petrakis

Research Articles

Canadian National Breast Screening Study: First Screen Results as Predictors of Future Breast Cancer Risk
Philippa H. Holowaty, Anthony B. Miller, Cornelia J. Baines, and Harvey Risch

The Effect of Alcohol on the Risk of Lung Cancer in Uruguay
Eduardo De Stelani, Pelayo Correa, Luis Fierro, Elizabeth T. H. Fontham, Vivien Chen, and Diego Zavala

Serological Precursors of Cancer: Serum Hormones and Risk of Subsequent Prostate Cancer
Ann W. Hsing and George W. Comstock

Serum Levels of Dehydroepiandrosterone and Dehydroepiandrosterone Sulfate and the Risk of Developing Gastric Cancer
Gary B. Gordon, Kathy J. Helzlsouer, Anthony J. Alberg, and George W. Comstock

Helicobacter pylori Antibodies in Areas of Italy at Varying Gastric Cancer Risk
Domenico Palli, Adriano Decarli, Francesco Cipriani, Freddy Sitans, David Forman, Dino Amadori, Claudio Avellini, Attilio Giacosa, Pierina Manca, Antonio Russo, I. Michael Samloff, Joseph F. Fraumeni, Jr., William J. Blot, and Eva Buiatti

Plasma Selenium Concentration Predicts the Prevalence of Colorectal Adenomatous Polyps
Larry C. Clark, Lee J. Hisson, Gerald F. Combs, Jr., Mary E. Reid, Bruce W. Turnbull, and Richard E. Sampliner

Urinary trans, trans-Muconic Acid as an Indicator of Exposure to Benzene in Cigarette Smokers
Assieh A. Melikian, Agasanur K. Prahalad, and Dietrich Hoffmann

Racial Differences in Restriction Fragment Length Polymorphisms and Messenger RNA Inducibility of the Human CYPIA1 Gene
Greg Cosma, Frances Crofts, Diane Currie, Isaac Wirgin, Paolo Toniolo, and Seymour J. Garte

Polycyclic Aromatic Hydrocarbon-DNA Adducts in White Blood Cells and Urinary 1-Hydroxypyrene in Foundry Workers
Regina M. Santella, Kari Hemminki, De-Liang Tang, Myunghee Paik, Ruth Ottman, Tie Lan Young, Kirsti Savela, Ludmila Vodickova, Christopher Dickey, Robin Whyatt, and Frederica P. Perera

Continued on Inside Back Cover