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
- AAACR and ASPO news

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.

Journal policy requires that authors, reviewers, and Associate Editors reveal to the Editor-in-Chief any relationships that they believe could be construed as causing a conflict of interest with regard to the manuscript submitted for review.

Manuscript Submission
Mail manuscripts directly to Dr. Pelayo Correa, Editor-in-Chief. Submit four original sets (not photocopies) 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. 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 page separate 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 fine-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 24 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.

Typesetting Manuscripts from Computer Disks
Cancer Epidemiology, Biomarkers & Prevention welcomes disks to expedite production of accepted manuscripts. If your article is accepted for publication, you will receive instructions regarding disk submission and a form which must be completed and returned with your disk to the AACR Publications Department within 48 hours of notification of acceptance. It is the author’s responsibility to ensure that the material on the disk matches the final accepted version of the manuscript.

For More Information, Contact:
Dr. Pelayo Correa, Editor-in-Chief, CEPB, Department of Pathology, Louisiana State University Medical Center, 1901 Perdido Street, New Orleans, LA 70112-1393. Telephone: (504)529-2848; (504)568-6035; FAX: (504)529-2849.
Or:
AMERICAN ASSOCIATION FOR CANCER RESEARCH
SCIENTIFIC CONFERENCES

JANUARY 14-19, 1995
Mechanism of Action of Retinoids, Vitamin D, and Steroid Hormones
Chairpersons: Michael B. Sporn, Bethesda, MD; Ronald M. Evans, San Diego, CA; David Mangelsdorf, Dallas, TX
Whistler Resort and Conference Centre, Whistler, B.C., Canada

FEBRUARY 13-18, 1995
Molecular Biology of Cancer: Implications for Prevention and Therapy
Joint Meeting with Japanese Cancer Association
Chairpersons: Lee W. Wattenberg, Minneapolis, MN; Masaaki Terada, Tokyo, Japan
Maui Marriott Hotel, Maui, HI

MARCH 19-22, 1995
86th Annual Meeting
Chairperson: Donald S. Coffey, Baltimore, MD
Metro Toronto Convention Centre, Toronto, Ontario, Canada

APRIL 1-6, 1995
Signal Transduction of Normal and Tumor Cells
Chairperson: Anthony J. Pawson, Toronto, Ontario, Canada; André Veillette, Montreal, Quebec, Canada; Grant McFadden, Edmonton, Alberta, Canada
Banff Centre, Banff, Alberta, Canada

OCTOBER 14-18, 1995
Cytokines and Cytokine Receptors
Chairperson: Steven Gillis, Seattle, WA
The Sagamore, Bolton Landing (Lake George), NY

NOVEMBER 5-9, 1995
Cancer: The Interface Between Basic and Applied Research
Chairpersons: Bert Vogelstein, Baltimore, MD; Stephen H. Friend, Seattle, WA; John D. Minna, Dallas, TX
Stouffer Harbortplace Hotel, Baltimore, MD

NOVEMBER 17-21, 1995
Novel Strategies Against Resistant Cancers
Chairpersons: Victor Ling, Toronto, Ontario, Canada; Daniel D. Von Hoff, San Antonio, TX
Sanibel Harbour Resort & Spa, Ft. Myers, FL

DECEMBER 2-6, 1995
The Molecular Basis of Gene Transcription
Chairperson: Tom Curran, Nutley, NJ
Hotel Del Coronado, Coronado (San Diego), CA

FEBRUARY 19-25, 1996
Cancer Susceptibility Genes and Molecular Carcinogenesis
Chairpersons: Curtis C. Harris, Bethesda, MD; Allan Balmain, Glasgow, Scotland; Kenneth Olden, Research Triangle Park, NC
Keystone Resort, Keystone, CO

MARCH 1996
Proteases and Their Inhibitors in Cancer
Chairpersons: Lynn M. Matrisian, Nashville, TN; Bonnie F. Sloane, Detroit, MI
Location to be Announced

APRIL 20-24, 1996
87th Annual Meeting
Chairperson to be Announced
Washington D.C. Convention Center, Washington, D.C.

JUNE 1996
Inducible Genomic Responses
Chairpersons: William T. Beck, Memphis, TN; John A. Hickman, Birmingham, England; Richard I. Morimoto, Evanston, IL
Location to be Announced

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, Suite 816
150 South Independence Mall West
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), a scientific society of over 10,000 laboratory and clinical cancer researchers, was founded in 1907 to facilitate communication and dissemination of knowledge among scientists and others dedicated to the cancer problem; to foster research in cancer and related biomedical sciences; to encourage the presentation and discussion of new and important observations in the field; to foster public education, science education, and training; and to advance the understanding of cancer etiology, prevention, diagnosis, and treatment throughout the world.

Members of the AACR enjoy the following benefits:
1. the privilege of sponsoring a proffered paper (abstract) for consideration for presentation at the AACR annual meeting;
2. an advance copy of the Program and Proceedings of the American Association for Cancer Research pertaining to each annual meeting;
3. reduced registration rates at annual meetings;
4. priority notice of small, focussed meetings in the AACR's existing series of Special Conferences on Cancer Research;
5. reduced registration rates for Special Conferences;
6. opportunities for participation in AACR meetings in North America and abroad with other scientific societies around the world;
7. receipt of AACR Newsletters and other important announcements;
8. early notification of and reduced rates for participation in the AACR Employment Register;
9. an up-to-date Membership Directory of thousands of researchers in the cancer field;
10. the professional benefits of AACR's public education activities concerning funding for cancer research and press coverage of the latest research findings;
11. participation in Summer Workshops that foster networking opportunities and science education for young investigators; and
12. many more ongoing benefits.

QUALIFICATIONS FOR MEMBERSHIP
Active membership in the AACR is open to investigators who live in the Americas. Individuals who have conducted two years of research resulting in peer-reviewed publications relevant to cancer, or who have made substantial contributions to cancer research in an administrative or educational capacity, are eligible. If a candidate has conducted research in an area of biomedical science related to cancer, he or she will qualify for membership. Evidence of patents relevant to cancer research may be submitted as qualifications for membership in lieu of peer-reviewed publications.

Corresponding membership is open to persons who are not residents of the Americas. The qualifications for corresponding membership are the same as those indicated above for active membership. Visiting scientists from outside the Americas who intend to return to their countries of origin by the anticipated time of election should apply for corresponding membership. All other visiting scientists should apply for active membership and transfer to corresponding status upon leaving the Americas.

Graduate and medical students, postdoctoral fellows, and physicians in training who do not yet meet the above qualifications for active or corresponding membership should apply for associate membership. Forms for associate membership are available from the AACR Office.

PROCEDURES FOR APPLICATION
There are three deadlines for the receipt of a membership application: January 1, May 1, and September 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 finally 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</th>
<th>Notification of Candidate</th>
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<tbody>
<tr>
<td>January 1</td>
<td>March</td>
</tr>
<tr>
<td>May 1</td>
<td>July</td>
</tr>
<tr>
<td>September 1</td>
<td>November</td>
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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. A letter of recommendation from a nominator who is an active, corresponding, 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 scientific 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, corresponding, 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. As noted above, evidence of patents developed by the candidate may be submitted in lieu of one or both of the publications. If submitting patents, supply patent number and year awarded.

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, Suite 816
150 S. Independence Mall West
Philadelphia, PA 19106-3483
Phone: 215/440-9300
FAX: 215-440-9313

RESPONSIBILITIES OF MEMBERSHIP
Candidates should be aware of the following responsibilities of membership in the AACR. Active members must pay annual dues. In 1995 annual dues for active members are $160, $95 of which is designated for AACR journal subscriptions. Newly elected members of the AACR who have already purchased subscriptions to Cancer Research, Clinical Cancer Research, Cell Growth & Differentiation, or Cancer Epidemiology, Biomarkers & Prevention at the higher, nonmember rates will receive reimbursement of the unused portion of those subscriptions once their first year’s membership dues are paid in full.

Corresponding members are required to pay dues ($80 in 1995) and, if they wish, subscribe to Cancer Research, Clinical Cancer Research, Cell Growth & Differentiation, or Cancer Epidemiology, Biomarkers & Prevention at reduced member rates.

Applicants elected in March will be responsible for payment of that year’s dues; applicants elected in July and November will pay dues for the following year. Applicants elected in March and July 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 November.

Margaret Foti
Executive Director
APPLICATION FOR ACTIVE OR CORRESPONDING MEMBERSHIP

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: __________________________

E-MAIL NUMBER (CARRIER): __________________________

PRIMARY FIELD OF RESEARCH (Please check only one):

Biochemistry and Biophysics
Cellular Biology and Genetics
Epidemiology
Preclinical Pharmacology and Experimental Therapeutics
Clinical Investigations
Immunology
Virology
Molecular Biology and Genetics
Carcinogenesis
Endocrinology
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 peer-reviewed 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. If submitting patents, supply patent number and year awarded.)

CANDIDATE NOMINATED BY*: __________________________ (Please print)

CANDIDATE SECONDED BY*: __________________________ (Please print)

CANDIDATE IS APPLYING FOR (Check one): ☐ ACTIVE ☐ CORRESPONDING MEMBERSHIP

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 __________________________

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

*Both nominator and seconder must be active, corresponding, 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 are following a course of study or who are working in a research program relevant to cancer. Scientists in training who already have a substantial record of publications may wish to apply for active or corresponding membership which confers full benefits of membership.

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 facilitate communication and dissemination of knowledge among scientists and others dedicated to the cancer problem; to foster research in cancer and related biomedical sciences; to encourage presentation and discussion of new and important observations in the field; to foster public education, science education, and training; and to advance the understanding of cancer etiology, prevention, diagnosis, and treatment throughout the world. Associate members of the AACR enjoy the following benefits:

1. the privilege of sponsoring a paper for presentation at the AACR annual meeting provided that (a) the associate member is the presenter of the paper and (b) an active, corresponding, emeritus, or honorary member in good standing of the AACR also signs the abstract of the paper in support of the work (In this instance, the member who cosigns the abstract does not lose his or her own sponsorship privilege);
2. an advance copy of the scientific 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 Association's high-quality journals Cancer Research, Cell Growth & Differentiation, Cancer Epidemiology, Biomarkers & Prevention, and Clinical Cancer Research at reduced member rates;
6. priority notification of events in the AACR's series of special conferences on timely subjects in the field;
7. reduced registration rates at special conferences;
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, corresponding, emeritus, or honorary 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 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 for one year's dues payment must accompany the application. Dues for 1994 are $30 for associate members residing in the Americas and $40 for residents of other countries. For 1995 these rates are $35 and $45, respectively. 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 appropriate dues payment to:

American Association for Cancer Research
Public Ledger Building, Suite 816
150 S. Independence Mall West
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 1994 have been set at $30 per year for residents of the Americas and $40 for residents of other countries. For 1995 these rates are $35 and $45, respectively. 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 October 1994 for the forthcoming annual meeting must have paid dues for 1994. Any newly elected associate members of the AACR who have already purchased subscriptions to Cancer Research, Cell Growth & Differentiation, Cancer Epidemiology, Biomarkers & Prevention, and Clinical Cancer Research 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 by 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 1994 may retain associate membership until December 31, 1998. 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: _______________________________ DATE OF BIRTH: ____________

LAST                FIRST                M.I.

INSTITUTIONAL AFFILIATION: _______________________________________________________

INSTITUTIONAL ADDRESS: ___________________________________________________________

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

TELEPHONE NUMBER:______________________________________________________________ FAX NUMBER:_________________________

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

__ Graduate Student           __ Medical Student               __ Postdoctoral Fellow
__ Physician in Training       __ Carcinogenesis
__ Biostatistics              __ Endocrinology
__ Cellular Biology and Genetics __ Clinical Investigations
__ Epidemiology               __ Immunology
__ Preclinical Pharmacology and Virology
__ Experimental Therapeutics (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 in U.S. funds, made payable to AACR, Inc., and drawn on a U.S. bank for your year’s dues. For 1994 dues are $30 for associate members residing in the Americas and $40 for residents of other countries. For 1995, these rates will be $35 and $45, respectively.

Check one of the following boxes only if this form is being submitted between September 1 and December 31:
The enclosed dues payment should be applied to the box current pursue 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 March or April of that year.) See Guidelines for Application on the reverse side of this form for further instructions.

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

(This form may be reproduced.)
ADVANCE REGISTRATION FORM

AMERICAN ASSOCIATION FOR CANCER RESEARCH
86TH ANNUAL MEETING - TORONTO, ONTARIO, CANADA - March 18-22, 1995

Return to
American Association for Cancer Research • Public Ledger Building, Suite 816
150 S. Independence Mall West • Philadelphia, PA 19106-3483 • FAX: 215-440-9313

DEADLINES:
• February 3, 1995 for reduced rates and to ensure receipt of meeting materials by mail in late February or early March
• February 24, 1995 for all registration by mail (Registration forms received after this date will not be accepted.
  Registration will be conducted at the Metro Toronto Convention Centre from March 18-22.)
• March 15, 1995 to cancel registration and receive refund less cancellation fee (US$25/C$35)
(Please print)

NAME: ____________________________________________ TITLES: _________________________________
Last First/Middle Initial ACR Member Number

ADDRESS: ____________________________________________ INSTITUTION: ____________________________
Street, Building, or Post Office Box

TELEPHONE NO.: _______________________________ FAX NO.: ________________________________

☐ Check this box if you have a physical disability and have special requirements for transportation, hotel accommodations, or other facilities in connection with the meeting. A member of the Association Staff will contact you.

WHAT IS YOUR PRIMARY FIELD OF RESEARCH? (Please check only one):
☐ Biochemistry and Biophysics ☐ Carcinogenesis ☐ Cellular Biology & Genetics ☐ Clinical Investigations
☐ Endocrinology ☐ Epidemiology ☐ Experimental Therapeutics ☐ Immunology ☐ Molecular Biology & Genetics
☐ Prevention ☐ Radiobiology/Radiation Oncology ☐ Virology ☐ Other (please specify): ____________________________

ARE YOU THE PRESENTER OF AN ABSTRACT SUBMITTED FOR THE 1995 ACR MEETING? ☐ Yes ☐ No

ON WHICH DAYS WILL YOU ATTEND THE 1995 ACR ANNUAL MEETING? ☐ Saturday, March 18 ☐ Sunday, March 19 ☐ Monday, March 20 ☐ Tuesday, March 21 ☐ Wednesday, March 22

PAYMENT OF REGISTRATION
Fees may be paid by check or with a MasterCard, VISA, American Express, or Eurocard account. All payments must be made in U.S. or Canadian currency, and all checks must be drawn on a U.S. or Canadian bank. Payment must accompany this form; purchase orders will not be accepted as payment. Honorary members may register gratis.

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<thead>
<tr>
<th>On or Before Feb. 3</th>
<th>After Feb. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>US$/$C$</td>
<td>US$/$C$</td>
</tr>
<tr>
<td>Active/Corresponding Member Rate</td>
<td>105/150</td>
</tr>
<tr>
<td>Nonmember Rate (includes a copy of ACR Proceedings)</td>
<td>220/315</td>
</tr>
<tr>
<td>Emeritus Member Rate (includes a copy of ACR Proceedings)</td>
<td>50/72</td>
</tr>
<tr>
<td>Associate Member/Student Rate* (does not include a copy of ACR Proceedings)</td>
<td>50/72</td>
</tr>
<tr>
<td>ACR Proceedings*</td>
<td>35/50</td>
</tr>
<tr>
<td>Overseas Airmail Surcharge*</td>
<td>22/32</td>
</tr>
<tr>
<td>Program on Diskette (check format below)</td>
<td>15/22</td>
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<tr>
<td>IBM 5½&quot; ☐ IBM 3½&quot; ☐ Apple 3½&quot;</td>
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<tr>
<td>TOTAL ENCLOSED OR CHARGED</td>
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</tbody>
</table>

METHOD OF PAYMENT
☐ Check payable to ACR, Inc. in U.S. or Canadian currency, drawn on a U.S. or Canadian bank

Person/Institution Issuing Check

[Signature]

*Students must enclose a statement, signed by the registrar, dean, or department head of their university or college on official letterhead, confirming their status. Postdoctoral fellows or physicians in training do not qualify for the student registration rate unless they are Associate Members of the ACR. An application for Associate Membership may accompany this form, but these should be submitted well before the February 3 deadline, as review of the Associate Membership application may delay registration.

+ACR members with paid-up subscriptions to an ACR journal and registrants who pay the nonmember fee receive the Proceedings automatically. If these members or nonmembers check this box and pay the fee, they will receive an additional copy of the Proceedings.

Optional payment for registrants outside of the U.S. and Canada only. Registrants paying this surcharge will receive meeting publications via airmail-printed matter before the annual meeting.

ACR members in good standing will receive copies of the Program and Proceedings prior to the meeting. Nonmember and student registrants who meet the February 3 deadline will also receive the Program and (if they have purchased it) the Proceedings prior to the meeting. Nonmembers and students who do not meet the deadline must pick up publications at the meeting site.

REFUND POLICY
Refunds on registration fees will be granted on written request received in the ACR Office by March 15, 1995. Requests received after this date will not be honored. Receipts and badges (if they have been mailed) must be returned to the ACR Office with the refund request. A cancellation fee of US$25/C$35 will be deducted from all refunds to cover administrative costs.

(This form may be reproduced.)
Cancer Research Center, University of Hawaii

Two Tenure Track Positions in Prevention and Control: (1) Program Director and Professor (Researcher) and (2) Assistant Professor (Assistant Researcher)

The University of Hawaii, Cancer Research Center of Hawaii, is seeking applications from clinically-oriented scientists for two (2) tenure track faculty positions: One position is to direct the Prevention and Control Program and is at the full professor (researcher) level. The other position is at the assistant professor (assistant researcher level). The mission of the Prevention and Control Program is to conduct research and training to reduce morbidity and mortality due to cancer, with a special focus on Hawaii’s ethnic groups. The Program includes two primary research sections: Social Science and Medical Science; and two service and research support units: the Cancer Information Service and the Clinical Trials Unit.

Hawaii provides a unique living laboratory for studying the remarkable ethnic-related differences in cancer incidence and outcome. A central programmatic focus of the Center is investigating the contribution of genetic, dietary/lifestyle and psychosocial factors in explaining these differences. Scientists in the Prevention and Control Program hold research grants from the NIH and other sources for investigations of breast and cervical cancer screening, breast cancer patterns of care and outcomes, quality of life in multiethnic cancer patients, attitudes toward genetic testing for colon cancer, and skin cancer education. An NCI-supported Minority-Based Community Clinical Oncology Program is also part of the Prevention and Control Program.

Director and Professor. Responsibilities of the Director will include providing leadership for the Prevention and Control Program, integrating medical and social science efforts, and faculty and staff development. The Director will also be expected to maintain an active research program in his or her area of scientific interest.

Applicants should have a record of accomplishment in research and teaching related to cancer control. Minimum requirements include an M.D. or Ph.D. in a clinically related field and demonstration of the ability to sustain an active research program as evidenced by continuous extramural funding at significant levels. Evidence of effective leadership, strong organizational abilities, excellent communication skills and ability to work productively with community based health professionals is also required. It is anticipated that the successful candidate will also hold a teaching appointment in an appropriate University department. Salary will be commensurate with experience.

Assistant Professor. Responsibilities will include developing independent research and collaborations with other scientists at the Cancer Research Center, and with community health professionals. Other academic responsibilities include contributing to the University of Hawaii’s teaching mission and providing service to the University, community, and profession.

Applicants should have a record of accomplishment in research and teaching related to cancer control. Minimum requirements include an M.D. or Ph.D. in a clinically related field, research as a primary career interest, and appropriate post-doctoral experience. Evidence of excellent communication skills and ability to work productively with community-based health professionals is also required. It is anticipated that the successful candidate will also hold a teaching appointment in an appropriate University department. Salary will be commensurate with experience.

Interested applicants should send a curriculum vitae, a letter addressing their qualifications for the position, and a list of three persons who can provide references to: Prevention and Control Director Search, c/o Brian F. Issell, M.D., Director, Cancer Research Center of Hawaii, 1236 Lauhala Street, Honolulu, HI 96813.

The review of applications will begin February 1, 1995 and will continue until the position is filled. The University of Hawaii is an equal opportunity/affirmative action institution and encourages applications from women and minority candidates.
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CANCER CONTROL SCIENTIST

The Duke University Medical Center is recruiting a behavioral scientist at the Associate (non-tenure track) or at the Assistant Professor level (non-tenure track) to serve in the Cancer Prevention, Detection and Control Research Program. The scientist will join two ongoing research projects aimed at increasing cancer prevention and screening behaviors. One project is based in a community health center and the other is in a managed care population. He/she also will work on other research projects aimed at promoting cancer prevention and screening among minorities. Over time, he/she also will be expected to develop a grant-supported program with a cancer focus, preferably in the behavioral aspects of cancer genetics, smoking cessation or colorectal cancer screening.

The successful candidate will have a degree in Public Health Education, Psychology, Anthropology or other relevant Behavioral Science discipline. He/she must have work experience since receiving the doctoral degree, should have peer-reviewed publications and, preferably, have a track record in obtaining grants. Experience in designing interventions is essential, and he/she should be committed to developing innovative interventions.

The academic appointment will be in Community and Family Medicine; the position also will be integral to the Duke Comprehensive Cancer Center.

Salary is negotiable. Interested candidates should send their CVs and representative publications to: Barbara K. Rimer, Dr.P.H., Professor and Director, Cancer Prevention, Detection and Control Research, Duke University Medical Center, 2200 W. Main Street, Ste. B150, Durham, NC 27705.

ASSISTANT PROFESSOR/CANCER EPIDEMIOLOGIST
UNIVERSITY OF MINNESOTA

The Division of Epidemiology, School of Public Health, University of Minnesota, seeks a full-time tenure-track Assistant Professor for teaching and research in its Cancer Epidemiology program.

Specific requirements for the position are: 1) Ph.D. in Epidemiology, or 2) M.D. with a master's degree in Epidemiology, or 3) M.D. with Ph.D. in Epidemiology, 4) epidemiology research and teaching experience with interest in biologic aspects of cancer, and 5) at least two years of post-doctoral teaching and research experience. Interest in assisting with development of a cancer research and prevention program is desired, as well as quantitative skills. Primary criteria for appointment are a relevant publication record in peer-reviewed journals, demonstrated ability through grant awards for significant research, demonstrated skills in research management and data analysis, and evidence through student evaluations of successful teaching.

Primary responsibilities of this position will be design, analysis, and management of case-control and intervention studies, development of data collection and analysis techniques, and assisting in the further development of a biologic and behavioral cancer research program. Primary teaching duties include teaching in two courses: PUBH 5387 (Cancer Epidemiology) and PUBH 5399 (Topics in Cancer and Nutrition or Topics in Cancer Biology), as well as advising master’s, doctoral and post-doctoral students.

The position is available on or about April 1, 1995. Interested applicants should submit a curriculum vitae, publications list, and a list of at least three references by February 1, 1995, to Dr. Thomas A. Sellers, c/o Kathy Ramel, Division of Epidemiology, School of Public Health, University of Minnesota, 1300 South Second Street, Suite 300, Minneapolis, Minnesota 55454-1015.

Please reference job number SPH 127.

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- Clinical Trials - Design and Conduct
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- Perinatal Epidemiology
- Epidemiology of Violence
- Scientific Writing
- Ethics and Epidemiology

For application and information contact:
Dr. David Schottenfeld
or
Jody Gray, Administrative Coordinator
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Research Articles

Approaches to the Development and Marketing Approval of Drugs That Prevent Cancer

Dietary Fat and Risk of Breast Cancer According to Hormone Receptor Status
Lawrence H. Kushi, John D. Potter, Roberd M. Bostick, Carol R. Drinkard, Thomas A. Sellers, Susan M. Gapstur, James R. Cerhan, and Aaron R. Folsom

Menopausal Hormone Use and Colorectal Cancer in Saskatchewan: A Record Linkage Cohort Study
Harvey V. Risck and Geoffrey R. Howe

Consumption of Nitrate, Nitrite, and Nitrosodimethylamine and the Risk of Upper Aerodigestive Tract Cancer
May A. M. Rogers, Thomas I. Vaughan, Scott Davis, and David B. Thomas

Recognition and Classification of Clinically Dysplastic Nevi from Photographs: A Study of Interobserver Variation
Patrick R. Hartge, Elizabeth A. Holf, Allan Halpern, Richard Sagebiel, DuPont Guerry, David Elder, Wallace Clark, Louise Hanson, Christina Harrison, Robert Tarone, and Margaret A. Tucker

Debriodquinone Metabolism and Lung Cancer Risk
Carl L. Shaw, Roni L. Finkel, Jean Deslauriers, James N. Frame, Jonathan C. Neshitt, Harvey I. Pass, Halpert L. Issaq, Robert N. Hoover, and Margaret A. Tucker

Modulation of Aberrant Crypt Foci by Dietary Fat and Caloric Restriction: The Effects of Delayed Intervention
Catherine M. Tarsko and Ramana P. Bird

Epidemiological Use of Rectal Proliferation Measures
John A. Baron, Michael L. Wargovich, Tod D. Toben, Robert Sandler, Robert Haile, Robert Demmers, Kudial van Stolk, Richard Rohlstein, and Julia Weiss

The Heme-binding Region Polymorphism of Cytochrome P450IA1 (Cyp1A1), Rather Than the Rsal Polymorphism of HIE1 (Cyp1IE1), Is Associated with Lung Cancer in Rio de Janeiro

Polycyclic Aromatic Hydrocarbon-DNA Adducts in White Blood Cell DNA and 1-Hydroxypyrene in the Urine from Aluminum Workers: Relation with Job Category and Synergistic Effect of Smoking
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