The advertisements below were submitted by prospective candidates and employees in the AACR Employment Register by January 27, 1992 and were updated as of July 6, 1992.

Employers participating in the Employment Register may obtain information on the candidates in these advertisements and participating candidates may obtain information on positions in these advertisements by submitting written requests to the AACR Employment Register, Public Ledger Building, 620 Chestnut St., Suite 816, Philadelphia, PA 19106-3483. The request should give the identification number(s) appearing in the upper left-hand corner of the desired advertisement(s) and should include the registrant’s own identification number or a completed employment register form with the appropriate fee attached. Forms were sent to all members of the AACR in the fall of 1991. They were also printed in the First Announcement of the Annual Meeting and in the November 15, 1991, December 1, 1991, December 15, 1991, and January 1, 1992 issues of Cancer Research.

Advertisements from all current participants in the Employment Register will also appear in the December 1, 1992 issue of Cancer Research.

POSITION LISTINGS

801P Research-oriented Jr./Sr. faculty position, M.D. or Ph.D in Division of Experimental Pathology. Postdoc. experience. To conduct externally-funded, independent research on cancer. Send CV to Dr. J. W. Kreider, Department of Pathology, Hershey Medical Center, Hershey, PA 17033.


803P Biometrician to analyze clinical and preclinical data: time series, multi- and univariate techniques, nonlinear models, model fitting. Avail. immed. $18,000–30,000. Contact Bill Hurshesky, Stratton VAMC, 113 Holland Ave., Albany, NY 12208.


805P Associate Staff Investigator. Conduct independent research. mol. mechanisms metastasis. Avail. immed. $37-45,000. Contact Dr. S. David Nathanson, Department of Surgical Research, Henry Ford Hospital, Detroit, MI 48202.

806P Molecular cloning techniques being used to dissect positive and negative growth regulatory pathways operative in normal and leukemic hematopoietic cells. Focus on intranuclear & cytoplasmic regulatory proteins involved in regulating proliferation in myeloid cells: RB, P53, Retinoblastoma, G1S/C, and interferon, EGF, and surface cytoadhesions molecules. Immediate availability. $22,000–$30,000. Contact Dr. A. Deisseroth, Dept. of Hematology, MD Anderson Cancer Center, Houston, TX 77030.

807P Position available for development of research into molecular mechanisms which govern regulation of proliferation in leukemia and normal hematopoietic cells. Information being applied to development of molecular and genetic therapy for leukemia. Immediate availability. $40,000–$45,000. Contact Dr. A. Deisseroth, Dept. of Hematology, MD Anderson, Houston, TX 77030.

808P Fellowships available in epidemiology/biostatistics to candidates with variety of academic, clinical and research轨s. Opportunities exist for those who have medical/doctoral-level degree, or pursuing such degree in relevant area of biomedical research. Appl. accepted on continuing basis. $18,000–$70,000. Contact Dr. J. Fraumeni, National Cancer Institute, Epidemiology and Biostatistics Program, Executive Plaza North, Rm. 543, Bethesda, MD 20852-301-496-1611.

811P Res. Assoc. In Cell and Molecular Immunol. Conduct research in macromolecules involved in responses to lymphoid tissue after pulmonary exposure to chemical carcinogens. No teaching required. Available immediately. $25,000. Contact Dr. P. Urso, Dept. of Microbiology, Northshore School of Medicine, 4100 Follett Rd., Hamborough, LA 7009-9095.

812P Postdoc fellow. Ph.D. in endothelial cell biology or immunochemistry. Conduct research on antibody-directed targeting of toxins or coagulants to the tumor vascular bed. Available Spring 1992. $22,000–$27,000. Contact Dr. Philip E. Thorpe, Department of Pharmacology, University of Texas, Southwestern Medical School, 5323 Harry Hines Boulevard, Dallas, TX 75235-8576.

813P Postdoc. to conduct independent research on chemoprevention, research on development and mechanism study of potential chemopreventive agents. Available May 1992. $28,000–$32,000. Contact Dr. F. L. Chung, Division of Chemical Carcinogenesis, American Health, Valhalla, NY 10595.

814P Assoc./Assoc. Prof. (non-tenure track). Ph.D. and/or M.D. Interest in mol. gen., nuc. architecture, chem. carcinogenesis, mol. endocrinol., lipoprotein mol. biol., DNA repair. Develop indep. extramurally-funded res., limited med./grad teaching. Send c/v., statement of research interests, 3 references to D. Williams, Ph.D., Dept. of Pharmacology, SUNY at Stony Brook, Stony Brook, NY 11794-8651.

815P Assistant Professor. Traditionally trained in molecular pharmacology. Training available in membrane physiol. (transport); enzymology, recombinant DNA technology; hybridomology all directed at drug-action and resistance. Avail. July 1, 1992. $28,000–$32,000. Contact F. M. Sirotnak, Ph.D. Laboratory for Molecular Therapeutics. Memb. Sloan-Kettering Cancer Center, New York, N.Y. 10021.

817P Research Ph.D. Fellow to participate in ongoing research investigating role of insulin-like growth factors (IGF) and IGF binding proteins in tumor growth. Available July, 1992. $25,000–$28,000 and fringe benefits. Contact J. A. Fontana, Dept. of Medicine, Cancer Center, University of Maryland at Baltimore, Baltimore, MD 21201.

818P Asst./Assoc. Prof. (tenure track) in Hem/Onc. Conduct independent research in area of interest. Medical/grad. teaching. Avail. July, 1992. Salary negotiable. Contact C. Michael Jones, M.D., Division of Hematology/Oncology, Univ. Texas Medical School, 7703 Floyd Curl Dr., University of Texas Health Science Center is an equal opportunity employer. Women and minorities are encouraged to apply.

819P Pediatric Hematology/Oncology. St. Joseph’s Children’s Hospital/Cancer Institute is seeking a BC/BE pediatric hematologist/oncologist. Program affiliated with POG. Opportunity and support for basic science laboratory research. Prof. status and at least C.V. to Cameron K. Tebbi, M.D., Medical Director, Pediatric Hematology/Oncology, P.O. Box 4227, Tampa, FL 33677. (813) 870-4252.

826P Research position to study genetic and molecular bases for resistance to anticancer agents in mammalian tumor cells. Studies focus on identifying new genes and gene products associated with mammalian transformation. Avail. immediate. Salary competitive. Contact Dr. Stuart Levy, Tufts Medical School, 136 Harrison Avenue, Boston, MA 02111.

827P Postdoc. fellowship (training grant) positions to conduct basic research on immunological, molecular and cell biological aspects of tumor and cellular immunity in faculty laboratories in the Department of Immunology, St. John’s Hospital, Edmond, OK 73034.

828P Postdoctoral fellow (training grant) positions to conduct basic research on immunological, molecular and cell biological aspects of tumor and cellular immunity in faculty laboratories in the Department of Immunology, St. John’s Hospital, Edmond, OK 73034.

829P Postdoc. fellowship to conduct research on the role of mechanisms and T cell function, T cell differentiation. Avail. 1/92. $20,000–$26,000. Contact Dr. H. D. Bear, Deps. of Surgery and Microbiology, Massey Cancer Center, P.O. Box 37, Medical College of VA, Richmond, VA 23298.

830P Postdoc. position in cancer biology. Candidate involved in ongoing research related to clonogenic genes of related to tumor invasion (degradation of extracellular matrix) or in genes which respond to oxiradical exposure. Initial term, 1 year. $27,000. Available immediately. Contact Dr. H. C. Bimboim, Ottawa Regional Cancer Center, 501 Smyth Road, Ottawa, Ontario, Canada, K1H 8L6. (613) 737-6719; FAX: (613) 737-6745.
Postdoctoral positions avail. immed. in newly-established cancer institute. Molecular biology, cellu-
lar immunology and/or biochemistry with emphasis on clinical application of basic science research. $27,000–$35,000. Contact Dr. Reko F. Ine, John Wayne Institute for Cancer Treatment and Research, 2200 Santa Monica Blvd., Santa Monica, CA 90404. (310) 449-5260.

Post. Res. Sci./Assoc. Res. Sci. to de-
velop methods and technology for detecting and cloning human tumor associated antigens. Experience in molecular biology (cDNA library construction and screening, subtraction hybridization, Alu-PCR and cosmids cloning, immunology (RT-PCR, western, epit-

Postdoctoral Fellowship, Molecular genetics of membrane receptors and transport processes for folate compounds, role in cell growth and differentiation, and as vehicles for anti-neoplastics. Training within an active NIH-funded collaborative research program in cancer biology. Stipends start at $23,500. Contact: Dr. David Goldman, Dr. Massey Cancer Ctr., Medical College of VA, Box 230, Richmond, VA 23298.

FACULTY POSITIONS IN DEPARTMENT OF HEMATOLOGY/ ONCOLOGY: Physician-Scientist, Clinical Investigator, bone marrow transplantation, cancer epidemiologist health service research. Participation in NIH-funded center programs, utilization of extensive center core facilities. Opportunities for full joint appointments in basic science or health department divisions. Chair; Chair, Chief, Associate Professor, Med. Coll. of VA, Box 230, Richmond, VA 23298.

NIH training grant-funded postdoctoral position to study biochemical properties of human c-myc proto-oncogene and its role and regulation in hemato-
Topoietic differentiation. Prior training in molecular biology and/or biochemistry preferred. Salary dependent on experience. Contact Dr. Erin Collins, Medical College of Virginia, Box 230 MCV Station, Richmond, VA 23298-0230.

Postdoctoral Fellowships supported by NIH-funded center grant. Research opportunities in growth factor biology, molecular genetics of cell growth and differentiation, molecular carcinogenesis, radiobiology, neurobiology, membrane biology, mole-
cular genetics of brain tumors. Contact Dr. Eric Hammerling, Director, Molecular Genetics, Dept. of Medicine, Medical College of Virginia, Box 230 MCV Station, Richmond, VA 23298.

Postdoctoral Fellowships studying molecular genetics of cancer. Experience in molecular biology and/or genetics preferred. Our Division is group of 6 faculty developing techniques to investigate new genetic models of cancer, bladder, breast, and hematopoietic malignancies. Available immed. Contact Dr. Joe Gray, Div. of Molecular Cytometry, UC San Francisco, San Francisco, CA 94143-0808. 415-476-3461.

Postdoctoral fellow to study molecular re-
sponses to DNA damage in mammalian cells. Expe-
rience in molecular biology, biochemistry and/or genet-

An experienced research-oriented Jr./Sr.-level faculty in Med. Onc. to develop/maintain disease-oriented invest. in solid tumors. M.D., Ph.D. or M.D. /Ph. D. + postdoc. M.D. must be BC/BE and maintain disease-oriented invest. Must gain general supportive support. Research should encompass study of mole-
cular aspects of human oncology and/or tumor immu-
nology. Broad multidisc. interactions avail. at Pitts-
N. Pittsburgh, PA 15213.

Senior Res. Assoc./Asst. Prof. Res. exp. in Mol. Biol. Retrovirology and/or gene transduction. Immediate availability to develop human gene therapy programs for human cancer in immunotherapy. Salary negotiable. Excellent benefits. Contact Dr. A. Beldjedren, UCLA/Jonsson Compre-
hensive Cancer Center, Los Angeles, CA 90024-7319.

Postdoc. Res. Assoc. in Env. Carcinogen-

Postdoctoral Fellowship in Molecular Immu-
nology, Research in cytotoxic mechanisms and apop-
tosis, on Perforin transgenes, in Perforin deficient mice. Position available from Jan. 1992. $20,000–$25,000. Contact Dr. Eckhard R. Podack, Department of Microbiology and Immunology, Univer-
sity of Mills School of Medicine, P.O. Box 016960 (R-138), Miami, FL 33101. 305-548-4580.

Postdoctoral Fellowship in experimental on-
cology/cell biology. Conduct research on in vivo bio-
logy/biochemistry of mitogenic growth factors and their receptors. Availability of NIH postdoctoral grant. Position available immediately. $20,000–$25,000. Contact Dr. W. R. Dean, Div. of Immunol. Res., Parke-Davis Pharmaceutical Research, 2800 Plym-
outh Rd., Ann Arbor, MI 48105.

Research Scientist to participate in team ori-
ted drug discovery efforts against tumor tumor-
mor targets including oncocenes, tumor suppressors and differentiation induction. Available immediately. Contact: Kym Goddoo, Pfizer Research Personnel, Groton, CT 06340.

Asst. Prof. in Mol. Oncology. Postdoc. expe-
rience required. Establish independent lab studying oncogenes/supp. genes, molecular biology of breast cancer. Applicants should have 1-3 years of postdoc. experi-
cence. Preferred, but not limited with relevant training. Available Sept. 1992. $45,000–$50,000. Contact Dr. John Hilsoc, Lady Davis Institute, McGill University, Montreal, Quebec H3T 1E2, Canada.

Asst. Prof. (tenure track). Postdoc. exp. Con-

Postdoctoral Fellowship in Laboratory of Immu-
nochemistry to study basic mechanism of retinoid action in biology of differentiation and cell growth. M.D. or Ph.D. required. Salary negotiable. Contact: Office of the Institute Director. Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, NY 14263.

Faculty Member, Asst. Assoc. Prof. (tenure track) in Biology, Biochemistry, Molecular Biol-
ogy, Immunology, and Pharmacology to develop a research group in Photogaging and Skin Cancers. 1 year establish independent research lab. Available, jury. 1992. $28,000–$42,600. Contact Dr. K. Jimbow, Div. of Derm., U. of Alberta, 260 G Heritage Medical Research Centre, Edmonton, Alberta, Canada.

Asst. Prof. in Mol. Biol. Conduct independent research on retinoid acid receptors and binding pro-
teins in normal and tumor cell growth and differentia-
tion. 100% research. Part of an active research group on differentiation therapy. Available jury 1992. $35,000–

4845
ing in vitro and in vivo models of experimental cardiology and oncology, and for work in novel chemotherapeutics. Contact RichardHeyman or ScottScolay, Ligand Pharmaceuticals, 3993 Towne Centre Dr., Suite100, San Diego, CA 92121.

902P Postdoctoral or Principal Research Scientist to participate in evaluation of novel anticancer agents both in vitro and in vivo. Ph.D. with2 years postdoctoral experience required. Background in biochemistry, medicinal chemistry, molecular biology, animal model development, or tumor biology. Previous pharmaceutical experience preferred. Contact Dr. Janet Dzubow, The Du Pont Merck Pharmaceutical Company, 505 E. Swampscott Ave., Glenolden, PA 19036. (215) 237-8757.

903P Postdoctoral Fellowship. Research on chemical carcinogenesis. Major emphasis on mechanistic research on immune mechanisms immediately. Investigate results of an immunological program opened to individuals with recently completed D.V.M., M.D., or Ph.D. degree. Contact William K. Silver, Human Resources, CITI, P.O. Box 12137, Research Triangle Park, NC 27709. Salary negotiable.

904P Postdoctoral position in Molecular Biology. Independent molecular biologist to participate in an ongoing research project investigating the structure and function of membrane antigens of lung tumors and bronchial epithelial cells. Experience with recombinant DNA and mammalian expression systems required. Available immediately. Send CV, summary of past work, list of 3 references to Dr. Robert Stahl, University Hospital, Laboratory of Oncology, Haldeleigh 4, 8044 Zurich, Switzerland. Phone: 1 255 35 89; FAX: 1 257 26 72.

905P Postdoctoral fellowship available for recent Ph.D. interested in cloning and expression of mammalian nucleoside transporter genes. Experience in molecular cloning methods and mammalian expression systems preferred. Send Curriculum Vitae and names of three referees to Judith A. Bell, Ph.D., Department of Pharmacology, St. Jude Children's Research Hospital, 332 N. Lauderdale, P. O. Box 318, Memphis, TN 38101. An Equal Opportunity/ Affirmative Action Employer.

906P Postdoctoral Fellowship/Research Associate. To study structure and function of proteins determining specific cell death inducing antitumor, antiangiogenesis, and antimitobolites. Approaches are based mainly biochemical and molecular. The project involves the use of recombinant DNA and mammalian cell culture. Send curriculum vitae to Dr. R.W. Schol, Department of Neurology, University of California, San Francisco, 340 Parnassus Ave., SF, Calif. 94121. Salary: $25,000.

907P or Research Scientist. To lead small group of molecular biologists in R&D. Experienced in focused development of antibodies and developing new products in areas such as signal transduction. Send CV and references to Dr. H. H. Gross, LDL, Inc., 3500 W. Duarte Rd., Monrovia, CA 91016. Salary negotiable.


909P Investigator in Pharmacology. 2 years postdoc., marine tumor model experience essential, additional experience preferred. Permanent staff position directing small group. Establish and use marine tumor model in search of an antiplastic agent evaluation. Available immediately. Salary based on experience. Contact Dr. James B. Rakoc, Oncopharmacology Department, Sterling Winthrop Pharmaceuticals Division, 81 Columbia Turnpike, Rensselaer, NY 12144.

910P Prof., Assoc. Prof., Asst. Prof., (tenure track) for research medical oncologist (M.D., board certified) with interest in nutrition and prevention. Requires developing laboratory-based biomarkers. Teaching and patient service limited to research enhancement. Available immediately. Compensation dependent on qualifications and experience. Contact Dr. Brian E. Hall, Queen's University, Kingston, Ontario K7L 3N6, Canada. 613-545-2852; FAX: 613-545-6830.

911P The Norris Cancer Center and Department of Medicine at the University of Southern California School of Medicine have a position available at the Assistant/Associate Professor level. This is an open search for an outstanding candidate whose research involves innovative basic or applied aspects of Developmental Therapeutics and who is interested in moving new concepts towards and/or into clinical trial. We believe new insights will come from interaction among cell biologists and therapeutically-trained individuals and are prepared to offer foundation and institutional support to person who can link the relevant expertise. Candidates with M.D. degree and with demonstrated interest in fostering young physician-scientists. Send supporting documents and statement of career goals to R. G. Moran, Norris Comprehensive Cancer Center, 1303 N. Mission Road, Los Angeles, CA 90033. The University of Southern California is an equal opportunity employer; women and minorities are especially encouraged to apply.


922P Postdoctoral Fellow, Ph.D. in Immunology, Cell Biology, or Molecular Biology to conduct research. Contact Dr. Pamela A. Trail, Bristol-Myers Squibb Pharmaceutical Research Institute, 5 Research Parkway, Wallingford, CT 06492.

CANDIDATE LISTINGS


404C M.D., 1983, Medicine; animal surgery, tissue culture, Chromium 51 release assay, Immuno analysis, tissue sections, maintain and freeze cell line. Postdoc. 1.5 yrs., surgeon 7 yrs. Seek industry, academic or government research position. Available immediately, Negotiable. Salary negotiable.


zyme assay and kinetics, cell culture, RIA, ELISA, HPLC, Western blot, antibody development, cytotoxicity testing for anticancer compounds, mechanisms of drug resistance. Postdoctoral experience 4 yrs., teaching experience 4 yrs. No geographical preference.


45C Ph.D., 1992/3, Mol. Biology; Cell lysate PCR, directing areas, topics and research. Seeking 3 yrs. experience. Teaching. Assistant Professor level position acad./indus. Location and start date open.


45C Ph.D., 1992, Mol. Biology; Cell lysate PCR, directing areas, topics and research. Seeking 3 yrs. experience. Teaching. Assistant Professor level position acad./indus. Location and start date open.


45C Ph.D., 1990, Pharmacology/Toxicology; Protein purification, immunocytochemistry, tissue culture, RIA, ELISA, HPLC, PCR, receptor binding, pharmacokinetics, Northern/Western blots, growth factors and receptors, neuroactive drugs of abuse, nicotine products, molecular cloning. Postdoc. 2 yrs. Seek acad./indus./gov. research position. Fall 1992. Prefer Western or Northeastern states. Salary negotiable.


45C Ph.D., 1988, Biochemistry/Molecular Biology; Topoisomerase, eukaryotic cell replication. Protein purification, cloning and molecular biology manipulations, enzyme kinetics, mammalian tissue culture, immunocytochemistry. 4 yrs. experience in exp. therapeutics. Seek position in industrial R&D.

45C Ph.D., 1989, Microbiology/Virology/Oncol-
from hypotalamic neurones and pituitary cells culture
and transmembrane signaling pathways. Neuroendo-
crinology and mol. biol. techniques (brain surgery, cell
cultures, radioimmunoassay for peptide and protein
hormones, immunohistochem., DNA cloning, North-
ern/Western blotting, separation of plasma DNA and
oncogenes DNA linearization. Studied alcohol in-
duced neurotoxicity and pituitary tumorigenesis. Seek
postdoc. res. assoc. position.

555C Ph.D., 1992. Biochem. / Mol. Biology /Toxicology; in vitro RNA tran-
scription, DNA RNA chromatin polysine RNA polya-
merase II isolation, Northern blotting, nucleoside
transport, Na+, dependent ion transport, measure-
ment of intracellular pH, drug metabolism, tissue cul-
ture, animal handling, membrane physiology, electro-
phoresis, enzyme kinetics, solid tumor biology. Avail.
postdoc. res. position.

556C M.D., 1982. Pharmacology, Drug delivery; Electrophoresis, protein/glycoprotein
juggles, animal models, tissue culture, liposomal for-
mulation, Group leader in pharmaceutical industry. 3

557C M.D., 1987. Biochem., Molecular Biology; Protein chemistry, Pro-
duction and characterization, in vitro and in vivo gene
expression analyses, Southern/Western blots, immu-
nolab analyses, tissue culture; carcinogenesis, cell-
ular aging, DNA replication. Postdoc. 3 yrs. Seek acad.

558C Ph.D., 1982. M.S., 1987, Molec./Cell Biol.; Tissue culture (primary, somatic hybrid, soft agar, in
vitro and in vivo), animal model (tumor leukemia, mouse, rat), DNA damage (SSB, DSB, DNA-DNA/
DNA-protein crosslinks, UDS, chromosome, micronu-
cleus), cell kinetics (growth, flow cytometry), metastasis, mutation (5-TG), hypoxia (O2 tension, radiosensitizer, hypoxic breathing), drug resistance, recombiant DNA technique (bacteria, phage, yeast
culture DNA extraction, electrophoresis, transfaction, formation, subcloning, hybridization, PFG, positional.

559C Ph.D., 1986. Cell. Biol./Molec. Biol.; Tissue culture, surface receptor, transglutaminase, apopto-
sis, p53 expression, adhesion, stabilization, Northern/
Western blotting, cell culture, cell cycle, DNA meta-
thesis, mutation (6-TG), hypoxia (O2 tension, radiosensitizer, hypoxic breathing), drug resistance, recom-
biant DNA technique (bacteria, phage, yeast
culture DNA extraction, electrophoresis, transfaction, formation, subcloning, hybridization, PFG, positional.

560C Ph.D., 1986. Cell. Biol./Molec. Biol.; Tissue culture, surface receptor, transglutaminase, apopto-
sis, p53 expression, adhesion, stabilization, Northern/
Western blotting, cell culture, cell cycle, DNA meta-
thesis, mutation (6-TG), hypoxia (O2 tension, radiosensitizer, hypoxic breathing), drug resistance, recom-
biant DNA technique (bacteria, phage, yeast
culture DNA extraction, electrophoresis, transfaction, formation, subcloning, hybridization, PFG, positional.

561C M.D., 1982, Molec./Mol. Biol.; Tissue culture, cell surface receptors, stress proteins, liposomes, Northern/Western blot, cell cycle
analysis, apoptosis, immunological, oncogenes. Postdoc. 4 yrs. Teach. exp. 10 yrs. Seek acad./
indus./govt. position. Avail. June 1992. Prefer North-
west, Northeast, Midwest.

562C Ph.D., 1992. Molec. Biocell.; Cell Biol.; Molec. cytogenetics, Tissue culture, DNA probes,
fluorescence in situ hybridization, microarray. asays, HPLC analysis, etc. Research exp. 10 yrs. Teach. exp.

563C Ph.D., 1991. Inflammation; Animal work, tis-
sue culture, histology, immunohistochemistry, North-
ern/Western blotting, DNA probes, rocket immunoele-
ctrophoresis. Postdoc. 8 mos. Seek postdoc. research position in inflammation, free radicals, and cancer. Prefer Boston, MA, France, or Switzerland. Salary negotiable.

564C D.V.M., Ph.D., 1981. Cell./Molecular Immuno-
logy; Cytokine biology, receptor technology, hy-
bridoma technology, FACS, immunoprecipitation, hy-
bridization (Northern, Southern), PCR, nucleic acid,
isoaltion, transformation, etc. Proficient in protein
purification, HPLC, chromatofocusing, etc., immuno-
edition/immunoblotting for techniques such as ELISA, Western, dot blot. Seek industrial or academic research or research related position. Available immediately. Salary negoti-
able. No geographic preference.

565C Ph.D., 1989. Cell Biology/Mol. Biology; Tissue culture, anti tumor cytotoxicity assays (in vitro and in
vivo), MDR, estimation of drug metabolizing enzymes,
pharmacokinetics, protein purifcation, immunoprecip-
itation, RIA, ELISA, alkaline elution DNA repair, to-
polisonase assay, DNA/RNA isolation, Western,
Northern, and Southern blotting. Avail. May 1992 or
earlier.

566C Ph.D., 1993 Organic Chemistry/ Bioorganic
Chemistry; Organic synthesis, including synthesis of
radioactively labeled compounds. Thesis work on synthesis of modified polyclazide DNA binding agents.

567C M.D., 1989, Molec./Cell Biol.; Tissue culture,
Southern/Northern/Western blots, DNA probes, DNA
sequencing, PCR, DNA cloning and expression reg-
ulation, SSCC, DGGE, RNA reverse transcription,
pulse-field gel electrophoresis, DNA transfection and
transformation, DNA site-directed mutation, foot-
printing, making hybridoma and monoclonal antibod-
ies, ELISA, RIA.

568C Ph.D., 1992, Biochem./Mol. Biol.; Protein

569C M.D., 1983; M.S., 1988, Oral Maxillofacial
Oncology/Head and Neck Cancer; Cell culture, tumor
xenograft, radioisotope application in cell biology and
molecular biology, PCR, etc. Immunohistochemistry.

570C Ph.D., 1982, Environ. Mutagenesis/Molec.
Biochem./Genetics/Biotechnology; Microbial cell cultures,
genetic methods, recombin. DNA, DNA modification
and characterization. Postdoc. 4 yrs. Teaching exp. 5
Salary negotiable.

571C Ph.D., 1993, Environmental Carcinogenesis;
Molecular and cellular biology, toxicology, analysis of oncogene and suppressor gene, Southern blot and in situ
hybridization with nonradioactive system, production of specific exon probe with PCR, immunohistochem-
istry; 4 years lab exp. Seek acad./indus. research position. Avail. early 1993. Salary negotiable.

572C Ph.D., 1989, Pharmacology/Molec. Biol./Tu-
mor Biol./Modulation of Gene Expression; Expression
vector construction, tissue culture, Northern/South-
ern/Western blots, immunoppt., antisense RNA
expression, in vitro transcription, translation, R.T./
PCR based mRNA quantitation, mouse in vivo tumor
histopathology. Postdoc. 2.5 yrs. Seek acad./indus.

574C Ph.D., 1992, Molec. Biol.; Gene transfer, re-
trival vector construction, pharmacol. oncology,
bone marrow stem cell transduction, DNA/RNA analy-
sis, immunoprecipitation. Seek acad./indus. postdoc.
Coast, New York area, Boston area, West Coast.

575C思, Dec. 1992. Biochemistry; Protein ki-
nases, molec. biology, purification characterization,
tissue culture, intracellular calcium level, phospholipid
and fibrin messenger analysis. Res. experience 4 yrs.
Salary negotiable.

577C Ph.D., July 1992, Biochemistry; Tissue cul-
ture, carcinogenesis, DNA damage and repair, gluta-
mine S-transferase assay purification and charac-
terization. Research experience 4 yrs. Seek acad./
negotiable.

578C Ph.D., 1982, Molec./Cell. Biol.; Biochemistry
and DNA prep. Northern/Southern/Western blots, gel
shift, carcinogenesis, footprinting. Postdoc. 4 yrs.

579C Ph.D., 1970, Molec. Biol./Life Sciences; Cell
culture, DNA probes, cloning, plasmid DNA prep., band shifting, transformation, transfection,
immunoprecipitation. DNA, Northern/Western blots,
electron microscopy, histochemistry, biostatistics.
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 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>
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<tr>
<td>March 1</td>
<td>May</td>
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<tr>
<td>July 1</td>
<td>September</td>
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<td>October 1</td>
<td>December</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. 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 this 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 secondor who is an active, emeritus, or honorary member of the AACR (at least one copy must be a signed, original letter).—OR—The secondor 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  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:**

**INSTITUTIONAL AFFILIATION:**

**DATE OF BIRTH:**

**INSTITUTIONAL ADDRESS:**

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

<table>
<thead>
<tr>
<th>Degree</th>
<th>Institution</th>
<th>Date</th>
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**RELEVANT RESEARCH EXPERIENCE NOT RELATED TO COURSE WORK (Please list most recent first.)**

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<thead>
<tr>
<th>Experience</th>
<th>Institution</th>
<th>Date</th>
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**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.)**

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
<th>Year</th>
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**CANDIDATE NOMINATED BY:**

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

Signature of Candidate: ____________________________ Date: ____________________________

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 Nominator: ____________________________ 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.

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
- ☐ forthcoming
- ☐ 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.)
Guidelines for Submitting Disks to American Association for Cancer Research Publications

The word processing packages that we prefer are as follows:

- XyWrite III Plus (for the IBM)
- Microsoft Word (for the IBM)
- WordPerfect 4.2, 5.0, 5.1 (for the IBM)
- Microsoft Word Macintosh
- WordPerfect (for the Mac)
- (Versions 1–4) 400/800K
- Wordstar (for the IBM)
- Wang OIS (WPS)
- Also acceptable:
  - Apple II DOS 3.3
  - Display Write 4
  - Apple with Appleworks Software
  - IBM Displaywriter Word Processor 6580
  - Apple III Plus DOS 3.3
  - Lanier Business One Step
  - Apple Macintosh 400K Disc/
    - MacWrite 2.2 (text)
    - Lanier No Problem
    - Apple Macintosh Plus 800K Disc/
      - MacWrite 4.5 (text)
      - Lanier Super No Problem
      - Apple Macintosh Plus 800K Disc/
    - MASS-11 PC
    - MacWrite 2.2 (text)
    - Multimate
  - Display Write 3
  - CPT 8000
  - PC Write
  - DEC WPS-8
  - PFS Professional Write
  - DEC Decmate II
  - Volkswriter 4.0
  - DEC Decmate III
  - Display Write 3
  - Align/Write
  - PC Write

New releases of word processing software are not always immediately available for conversion. In addition, because of the file structures and internal coding, we cannot accept disks created on desktop publishing systems or those created on proprietary typesetting systems. We also cannot guarantee that all special characters can be translated. Tabular and mathematical material, such as equations, will not be captured from the disk but will be rekeyed.

To expedite work and for your own security, we do require that you submit a hard copy printout of the disk file. The tables and equations will be keyed from this hard copy. We also need to know the name of the file to be converted, the type of hardware (e.g., IBM PC) on which the files were created, the operating system (e.g., DOS 3.3), and the version of the software (e.g., WordPerfect 5.1) used to create the file.

Please fill out all information on reverse side and submit this form with your disk. Disks will not be processed without this information.
DISK SUBMISSION FORM

AACR journals are now using personal computers to copyedit manuscripts accepted for publication. When submitting a revised manuscript, authors are encouraged to submit an electronic disk of the paper along with the required four hard copy printouts. Disks will ultimately be returned to the authors.

See reverse for the word processing packages that can be accepted.

File preparation

Please be sure that the file you send is the most recent version of the manuscript and that it matches the most recently submitted printed copy. The file should contain all the parts of the manuscript in one file. Mathematical and tabular material, however, will be processed in the traditional manner and may be excluded from the disk file.

Note: AACR does not assume responsibility for errors in conversion of customized software, newly released software, or special characters.

Please label the outside of the disk with the journal name, the first author’s name, a partial title of the manuscript, and the name of the computer file used to access the manuscript on disk. To process your disk efficiently, we need the following information. Please be sure to provide ALL the information.

Name used to access paper on disk: __________________________________________________________
Name of computer used (e.g., IBM/PS2): ____________________________________________________
Operating system and version (e.g., DOS 3.3): _______________________________________________
Word processing program and version (e.g., WordPerfect 5.0): _________________________________
   [See reverse for acceptable programs.]

Manuscript number: _______________________________________________________________________
First author: ____________________________________________________________________________
Corresponding author (if different from first author): __________________________________________
Telephone/FAX numbers: __________________________________________________________________

This form (both sides) may be reproduced.
# New Frontiers in Cancer Etiology and Prevention

**TIME** | **SUBJECT** | **SPEAKER**
---|---|---
9:00 a.m. | Welcome | Dean James Ware, M.D.
9:05 a.m. | Introductory Remarks | Joseph G. Fortner, M.D.
9:15 a.m. | Keynote Address: Breast Cancer and Hormones | Malcolm C. Pike, Ph.D.
10:05 a.m. | **SESSION I**
Chairperson: Robert A. Weinberg, Ph.D. | Gilbert M. Lenoir, DVM
Hereditary Breast and Ovarian Cancer | Joanna L. Groden, Ph.D.
Genetics of Colon Cancer |

11:20 a.m. | **SESSION II**
Chairperson: I. Bernard Weinstein, M.D. | Walter C. Willett, M.D.
Diet and Lifestyle in the Cause and Prevention of Breast and Colon Cancer | Curtis C. Harris, M.D.
Genetics as a Means of Identifying Carcinogens in Man | Regina M. Santella, Ph.D.
Molecular Epidemiology: Markers of Individual Susceptibility |

2:00 p.m. | **SESSION III**
Chairperson: Hans-Olov Adami, M.D., Ph.D. | James L. Mulshine, M.D.
Biomarkers and Lung Cancer Prevention | Ronald K. Ross, M.D.
Risk Factors for Prostate Cancer | Robert N. Hoover, M.D., Sc.D.
Cancer Induced by Cancer Treatment | Peter Greenwald, M.D.
Chemoprevention of Cancer |

4:15 p.m. | **SESSION IV**
Chairperson: Joseph F. Fraumeni, Jr., M.D. | Shelia Hoar Zahm, Sc.D.
Carcinogenic Risks from Pesticides | Janet R. Daling, Ph.D.
Anogenital Tumors Associated with Human Papilloma Viruses | Valerie Beral, M.B., B.S., M.R.C.P.
AIDS-Related Cancer |

The conference is open to all interested physicians and researchers. For further information and to register, contact: Mrs. Kathy Topolewski, Ph: 313-556-2023; FAX: 313-974-4397.