

# EMPLOYMENT REGISTER OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH

The advertisements below were submitted by prospective candidates and employers in the AACR Employment Register by January 8, 1996 and were updated by July 26, 1996.

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 a written request to: AACR Employment Register, Public Ledger Building, Suite 816, 150 South Independence Mall West, Philadelphia, PA 19106-3483. The request should give the identification num-

ber(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 AACR members in the fall of 1995. They were also printed in the First Announcement of the Annual Meeting and in the November 1-December 1, 1995 issues of *Cancer Research*.

Advertisements from all current participants in the Employment Register will also appear in the November 1, 1996 issue of *Cancer Research*.

## POSITION LISTINGS

**501P** Postdoctoral Position to study radiation-induced transcriptional activation & signal transduction mechanisms using antisense technology; particularly interested in applying adenovirus-mediated gene delivery to study nuclear protein kinase/phosphatase-mediated events. Experience in molecular biology essential; tissue culture & virology preferable. Send CV & names of 3 refs. to Dr. Kris Valerie, Radiation Oncology, Box 980058, Richmond, VA 23298 (KVALERIE@GEMS.VCU.EDU). Equal Opportunity Employer.

**502P** PostDoc in Internal Medicine, Division of Hematology/Oncol. Conduct independent research on molecular mechanisms of metastasis, integration between tumor cell metabolism and cell motility/growth factor signaling. Avail. April 1996. Approx. \$25,000. Contact Daniel E. Epner, M.D., Baylor College of Medicine, VA Med. Center, Medical Service (111H) 2002 Holcombe Blvd., Houston TX 77030. (713) 794-7980, 794-7578 fax.

**503P** Postdoctoral positions in Molecular Biology, Cell Biology or related disciplines. Conduct independent research in chemical carcinogenesis investigating effects on cell cycle, oncogenes, tumor suppressor genes, alterations in gene expression and mutagenesis using transgenic models. Avail. Sept. 1996. \$27,000-\$39,000 depending on experience. Contact Dr. Tony Fox, Chemical Industry Institute of Toxicology, Research Triangle Park, NC 27709.

**504P** Postdoctoral position. Conduct research on metastasis of human breast cancer cells and tumors. Experience in cell culture, recombinant DNA technology, Western blot highly desirable. Available July 1996. \$30,000 with excellent benefits. Contact Dr. S. A. Rotenberg, Dept. Chemistry & Biochemistry, Queens College-C.U.N.Y., Flushing, NY 11367.

**506P** Two postdoctoral fellowship positions in molecular genetics of cancer to study the neurofibromatosis 1, neurofibromatosis 2, and tuberous sclerosis 2 tumor suppressor genes. Focus of lab: mechanisms of negative growth regulation, function(s) in cell differentiation, associated proteins and relationship between gene structure and protein function. Available after Feb. 1996 for candidates with MD or PhD degree. Salary negotiable. Contact DH Gutmann, Wash. Univ., Neurology Dept, Box 8111, 660 S. Euclid Ave, St. Louis, MO 63110 or gutmann@neuro.wustl.edu.

**507P** Post Doctoral Fellow, Mol. and Cell Biology. Tumor progression, development and differentiation in the intestinal epithelium. Control of gene expression. Experience in molecular and cell biology required. Available immediately. Contact Dr. J. Filmus, Division of Cancer Biology Research, S-218, Sunnybrook Health Science Centre, 2075 Bayview Ave, Toronto, Ont. Canada M4N3M5.

**508P** Sanford Markowitz (Assoc. Prof., tenured) and James Willson (Prof., tenured) in Medicine offer Postdoc. to conduct research on colon cancer oncogenes, suppressor genes, and cell biology. Avail. June, 1996. Salary negotiable. Contact Dr. S. Markowitz, Hematology-Oncology, University Hospitals of Cleveland, Cleveland, OH 44106.

**509P** Staff Scientist in Cancer Chemoprevention or Chemotherapy. Ph.D. with at least 3 years of experience with *in vivo* models. Join a team of re-

searchers conducting *in vivo* studies in cancer chemoprevention, chemotherapy, drug evaluation, and experimental model development. Available immediately. Competitive salary and benefits. Contact Dr. William R. Waud, Experimental Therapeutics Dept., Southern Research Institute, P.O. Box 55305, Birmingham, AL 35255-5305. AA/EEO.

**510P** Post-doctoral Fellowship. To conduct research in the area of anti-tumor drugs and their interaction with tubulin isotypes and on structure/function studies on the tubulin molecule. \$24-25,000. Contact Dr. R. F. Luduena, Dept. of Biochemistry, Univ. of Texas Health Science Center, San Antonio, TX 78284-7760.

**511P** Sr. Res. Scientist in Oncol. and Immunol. Res. Section. Conduct drug discovery effort focused on breast cancer. Areas of most interest include hormonal control, transcriptional regulation, cell cycle control, or signal transduction pathways. Ph.D. with 2+ years industrial/academic exp. & publication and/or patent record related to breast cancer required. Training with animal models and supervisory experience a plus. Avail. immed. Contact Dr. L. Greenberger, Wyeth-Ayerst Research, Bldg. 200/Rm. 4608, Pearl River, NY 10965.

**514P** Postdoc—Identification of novel TGF $\beta$  signaling components in cancer and normal cells. Require Ph.D. and molecular biology experience reflected in manuscripts or publications. Available immediately. \$24-28K. Contact Dr. K. M. Mulder, Dept. Pharmacology, Pennsylvania State University College of Medicine, 500 University Dr., Hershey, PA 17033; kmm15@psu.edu; 717-531-5013 (fax).

**516P** Postdoctoral Fellow/Research Fellow Position. Available from June 1996 for a recent graduate with a Ph.D. in cell biology or molecular biology interested in malignant transformation and cellular differentiation. Expertise in one or more of the following areas is desirable: molecular genetics, virology, or protein chemistry. Send curriculum vitae and names of three references to: Mark A. Israel, M.D., University of California, San Francisco, Department of Neurosurgery, HSE 722, Box 0520, 505 Parnassus Avenue, San Francisco, CA 94143-0520. Equal Opportunity/Affirmative Action Employer.

**517P** Postdoctoral position available to study the molecular status of TGF- $\beta$  genes in human breast cancer. Project can focus on identifying genetic mutations of TGF- $\beta$  receptor genes in tumor tissue and/or on characterization of mutant receptors in biochemical and biological terms. Avail 6/96. \$20,000-\$25,000 (negotiable). Contact: Dr. M. Reiss, Section of Medical Oncology, Yale Univ. Sch. Medicine.

**518P** Post-doc. exp. in mol. biol. and cell biol. Res. on oncogenes and targets of retroviral insertional mutagenesis involved myeloid leukemia: *c-myc*, *Mml1*, and identification of new genes. Avail. August 1996. Contact Dr. Linda Wolff, NCI, Bldg. 37, Rm 2B04, 37 Convent Dr., MSC 4255, Bethesda, MD 20892-4255. E-Mail: LWOLFF@helix.nih.gov; (301) 496-6763.

**519P** Post doctoral fellow or similar status with experience in cytogenetics, preferably FISH/confocal imaging.

**520P** Staff Scientist (Asst. Prof. equivalent) in Molecular Biol./Cell Biol. to develop novel gene therapy strategies for brain tumors. Tenure track. Salary:

\$40-50,000. Position available immediately. Contact Search Committee, The Chicago Institute for Neurosurgery and Neuroresearch, 2515 N. Clark St., Suite 800, Chicago, IL 60614.

**521P** Postdoc. fellows in mol. biol. Two long term funded positions in area of cell cycle and DNA damage. 1) control of mammalian cell cycle transit by E2F1 transcription factor and 2) regulation of human DNA topoisomerase I activity by chemotherapeutic drugs. Projects will make use of genetic screens in the yeast *Sacch. cerevisiae*. Avail. April 1st, 1996. \$20-\$30K depending on exp. Dr. David Hall (215-955-2035), Dept. of Biochem. and Mol. Biol., Thomas Jefferson University, Philadelphia, PA 19107.

**522P** Postdoctoral position in cancer genetics available immediately to study molecular genetics of senescence and immortalization. Ph.D. and experience in molecular biology desirable, especially cloning and sequencing. US \$31,000-37,000. Contact Dr. Roger Reddel, Children's Medical Research Institute, 214 Hawkesbury Rd., Westmead, Sydney, NSW 2145 Australia. Fax: +61-2-687-2120; e-mail: rogerr@extro.ucc.su.oz.au.

**523P** Postdoctoral position available to study primary brain tumor and the regulation of proteins that mediate tumor invasion and motility. Cell culture and transplantation systems will be used to identify and characterize factors involved in tumor invasion. Applicants should have experience in molecular biological and/or cell culture techniques. Send C.V., statement of interest and three letters of recommendation to: S. Hockfield, Section of Neurobiology, Yale University School of Medicine, 333 Cedar St., New Haven, CT 06510. E-mail: Susan\_Hockfield@Quickmail.Yale.edu.

**524P** Postdoctoral position to study the regulation of apoptosis and/or cell cycle checkpoints. Various projects available depending on interests. All models are in cell culture and involve characterization, assay and manipulation of genes and proteins involved in apoptosis or in the response of cells to DNA damaging agents. Available immediately or 1997. Contact Dr. Alan Eastman, Dept. of Pharmacology, Dartmouth Medical School, Hanover, NH 03755.

**526P** Postdoc. Assoc. in Therapeutic Radiology. Conduct independent research using Eppendorf pO<sub>2</sub> Histogram to measure oxygenation in tumors in patients and animals. Additionally, research tumor hypoxia including use of bioreductive alkylating agents, novel oxygen delivery systems, etc. Pos. avail. March 1996. Salary commensurate with experience. Contact Dr. J. Knisely, Dept. of Ther. Radiol., Yale Univ. Sch. of Med., New Haven, CT (jonathan.knisely@yale.edu).

**527P** Postdoctoral position available for an individual interested in working on the molecular biology of tumor progression in humans. Potential areas of study include: identification of novel cancer genes involved in chromosomal deletions and translocations, tumor suppressor genes and cell cycle regulation.

**528P** Postdoctoral position available immediately to study genetic mechanisms of human breast carcinogenesis. Applicants should have a strong background in molecular biology or molecular cytogenetics. Candidates must have a Ph.D. or M.D. Salary

commensurate with previous experience; excellent working environment and benefits package. Contact: C. Marcelo Aldaz, M.D., Associate Professor, Dept. of Carcinogenesis, M.D. Anderson Cancer Center, PO Box 389, Smithville, TX 78957. Fax: 512-237-2475; e-mail: maldaz@odin.mdacc.tmc.edu. Nonsmoking Facility; Equal Opportunity Employer.

**529P** Project Leader, Neuroimmunology Postdoc. exp. Identify, specify and source new products for neuroimmunology product line. Some R&D lab. Avail. immediately. Salary dependent on experience. Contact Dr. Fred Reynolds, Oncogene Research Products-Calbiochem., 84 Rogers Street, Cambridge, MA 02142.

**531P** Postdoctoral fellow in cellular pharmacology and apoptosis. Experience with molecular techniques and/or flow cytometry useful. Studies involve the development of camptothecin-class topoisomerase I inhibitors. Contact T.G. Burke, Univ. of Kentucky College of Pharmacy, ASTeCC Bldg., Lexington, KY 40506.

**532P** Postdoctoral Research Associate sought to participate in studies examining molecular, cell cycle-regulatory, and signal transduction-related determinants of apoptosis in human leukemia. A strong background in signal transduction and/or molecular biology is highly desirable. Starting date is flexible; salary is negotiable and commensurate with experience. Send inquiries and C.V. to Dr. Steven Grant, Massey Cancer Center, MCV Station Box 230, Medical College of Virginia, Richmond, VA 23298.

**534P** Research scientist in cytogenetics. Perform karyotype analysis on reference cell lines and conduct independent FISH- and molecular genetic-related research. Laboratory equipped with computerized karyotype system. Recent Ph.D. or minimum 2 years postdoctoral research experience. Available July 1996 or later. Contact T.R. Chen or R.J. Hay, Cell Biology, ATCC, Rockville, MD 20852.

**535P** Positions available immediately for postdoctoral fellows in the Sealy Center for Oncology and Hematology, a newly established center for basic biomedical research at the University of Texas Medical Branch in Galveston. Projects focus on structure/function analysis of specific oncogenes and protein kinases involved in hematopoietic signal transduction. Ph.D. required. \$24-30,000. Applicants should send a curriculum vitae and a description of research interests to: Dr. Michael P. Carroll, Sealy Center for Oncology and Hematology, University of Texas Medical Branch, Medical Research Bldg. Rm. 9.104, 301 University Blvd., Galveston, TX 77555-1048. EO/AA Employer, M/F/D/V. UTMB hires only employees authorized to work in the U.S.

**536P** Applications are requested for a tenure-track faculty position at the level of Assistant or Associate Professor in the Sealy Center for Oncology and Hematology, a newly established biomedical research facility at the University of Texas Medical Branch in Galveston. Active research areas at the Center include viral oncogenesis, transcriptional regulation, and the role of protein kinases in hematopoietic signal transduction. The candidate should hold a Ph.D. and/or M.D. degree and should have an established, productive research program, preferably in the field of cell cycle regulation. Applicants should send a curriculum vitae and a description of research interests to: Dr. Michael P. Carroll, Faculty Search Committee, Sealy Center for Oncology and Hematology, University of Texas Medical Branch, Medical Research Bldg. Rm. 9.104, 301 University Blvd., Galveston, TX 77555-1048. EO/AA Employer, M/F/D/V. UTMB hires only employees authorized to work in the U.S.

**537P** Tenure track clinical faculty position available immediately as Director of Bone Marrow Transplantation. Hematology and/or Oncology board eligible/certified M.D. with expertise in bone marrow transplantation to supervise further development of the clinical research program. Experience in peripheral blood stem cell grafting and cell processing preferred. Rank and salary commensurate with experience. Applicants should send a curriculum vitae and a description of research interests to: Dr. Michael P. Carroll, Faculty Search Committee, Sealy Center for Oncology and Hematology, University of Texas Medical Branch, Medical Research Bldg. Rm. 9.104, 301 University Blvd., Galveston, TX 77555-1048. EO/AA Employer, M/F/D/V. UTMB hires only employees authorized to work in the U.S.

**538P** Research Associate/Junior Faculty—Molecular approaches to identifying TGF $\beta$  signaling components in cancer and normal cells. Requires Ph.D., post-doctoral training, and molecular biology experience reflected in manuscripts or publications. Available July 1996. Salary commensurate with experience. Contact Dr. K. M. Mulder, Department of Pharmacology, Pennsylvania State University College of Medicine, P.O. Box 850, Hershey, PA 17033.

**539P** Postdoctoral position available to study molecular mechanisms of carcinogenesis in the mouse skin model using transgenic approaches. Research will focus on genetic alterations resulting in the over-expression of signal transduction molecules during multistep carcinogenesis. Applicants must have Ph.D. or M.D. degree and prior experience in molecular genetic techniques. Experience with DNA/RNA manipulations and gene expression using heterologous promoters is desirable. Available July 1. Contact Dr. John DiGiovanni, Dept. of Carcinogenesis, UTMD Anderson Cancer Center, Science Park Research Division, P.O. Box 389, Smithville, TX 78957.

**540P** Postdoc in cell. mol. biol.; Ph.D.; exp. in cell/mol. biol. required. Conduct independent research on tumor suppressor gene products involved in colon cancer etiology. Avail. immediately. Position funded by grant for 3 years. Contact Dr. Bruce M. Boman, Director, Cancer Research & Hereditary Tumors; Storz Cancer Institute; Clarkson Hospital, 4340 Dewey Ave., Omaha, NE 68105.

**541P** Postdoctoral fellow, Molecular Oncology, Cell Biology, transcriptional factors, gene regulation, oncogenesis, cell cycle/signal transduction/apoptosis. Avail. immed. Contact Dr. T. S. Papas, Center for Molecular and Structural Biology, MUSC, 171 Ashley Ave., Charleston, SC 29425; Tel.: 803-792-1484.

**542P** Post Doctoral Fellow in Molecular Genetics/Inherited Human Cancers. Conduct research on tumor suppressor genes/search for new tumor suppressor genes and study protein function. Avail. July 1996, \$30,000-\$40,000. Contact: Dr. Berton Zbar, NCI-FCRDC, 560/12-71, Frederick, MD 21702. Phone: 301-846-1288; Fax: 301-846-6145; email: zbar@ncifcrf.gov.

**543P** Postdoctoral position available immediately to conduct research in molecular carcinogenesis and genetic toxicology. \$25-\$28,000. Contact Dr. Steven R. Patiemo, Molecular and Cellular Oncology Program, The George Washington Univ. Medical Center, 2300 I St. N.W., Washington, DC 20037.

**545P** Faculty positions, integrated BMT Program; University of Michigan Medical School and affiliated Oakwood Healthcare System. Appointment as a clinical track asst. or assoc. prof. in the Internal Medicine Dept. and participation in clinical care, research, and educational activities of BMT program at both locations. Expertise in autologous and allogeneic BMT; knowledge and experience in peripheral stem cell infusions is preferred. U.S. citizen or perm. res. alien. board certified in internal medicine and board certified or eligible in hematology and med. oncology. CV or inquiries to Samuel M. Silver, M.D., Ph.D., Director, Adult BMT Program, U of M Medical Center, L2007 Women's, 1500 E. Medical Center Dr., Ann Arbor, MI 48109-0247; or to Manuel Valdivieso, M.D., Director, Oakwood Hosp. Cancer Center, 18101 Oakwood Blvd., Dearborn, MI 48123-2500.

**546P** Post-doctoral position (Indust.) in Molecular Biology & Immunol. Conduct clinically-applied res. involving the immunother. of prostate cancer, tumor antigen biol. & processing. Exp. w/mol. biol. req., exp. w/imm. preferr. Avail. 5/96. Contact Dr. Michael L. Salgaller, Pacific NW Canc. Found., 120 Northgate Plaza, Suite 236, Seattle, WA 98125.

**547P** Post-doctoral position (Indust.) in Immunology. Conduct clinically-applied research involving the immunotherapy of prostate cancer, tumor antigen biology and processing. Exp. w/immunology required, exp. w/dendritic cells preferred. Avail. 5/96. Contact Dr. Michael L. Salgaller, Pacific Northwest Cancer Foundation, 120 Northgate Plaza, Suite 236, Seattle, WA 98125.

**548P** Postdoc. Fellowship. Research at the interface between molecular cell biology and drug discovery for cancer: theoretical and exptl. analysis of molecular markers of cell cycle, apoptosis, and resistance to therapy in cells of the NCI drug discovery program. Projects include multivariate and artificial intelligence analysis. Optimal candidate would have bkgd. in therapeutics and also in computers, math, statistics. Avail. Summer 1996. \$27-42K, depending on credentials. John N. Weinstein, M.D., Ph.D., Bg.37 Rm 5C25, NCI, Bethesda, MD 20892. (301) 496-9571. FAX (301) 402-0752. See other ad for exptl. position.

**549P** Postdoc. Fellowship. Research at the interface between molecular cell biology and drug discovery for cancer: characterizing molecular markers of cell cycle, apoptosis, and resistance to therapy in cells of the NCI drug discovery program. Projects include expts. to build 2D-PAGE protein and mRNA expression databases on these cells. Avail. Summer 1996. \$27-42K, depending on credentials. John N. Weinstein, M.D., Ph.D. Bg.37 Rm 5C25, NCI, Bethesda, MD 20892. (301) 496-9571. FAX (301) 402-0752. See other ad for theoretical analysis.

**551P** Gene therapy project (recombinant adenoviral vector-systems), applied molecular biology, funded through the Stanley S. Scott Cancer Ctr. of the LSU-New Orleans.

**552P** Postdoctoral Fellow/Res. Assoc. to study transcription of the polyglutamate synthetase (FPGS) gene in differentiating and transformed mammalian stem cells, the *cis* and *trans* elements of intronic polyadenylation in the GART gene, or the active site of recombinant FPGS by molecular and structural approaches. A recent Ph.D. in mol. biol., biochemistry, or closely related discipline required. Available 6/10/96. \$22-25K per annum. R.G. Moran, Massey Cancer Center, Richmond, VA 23298-0230. FAX: 804-828-5783; or r Moran@gems.vcu.edu.

**553P** The DHHS/PHS/FDA/Center for Drug Evaluation and Research in Rockville, MD is recruiting for pharmacologists to serve as a member of a multidisciplinary scientific team. The incumbent reviews data submitted in support of NDAs to assess the safety of the drug, based on experiments conducted by the investigator. Review includes evaluation of the quality and adequacy of testing to ensure studies support the manufacturer's claims for safety; review recommended dosage levels to determine margin of safety for clinical use. Prepares comprehensive summaries of the data reviewed, and submits recommendations and conclusions for approval. Ph.D. preferred. Postgraduate education and professional experience in clinical pharm./tox. highly desired. Salary, benefits, level of responsibility are commensurate with education and experience.

**554P** The DHHS/PHS/FDA/Center for Drug Evaluation & Research in Rockville, MD, is recruiting for physicians to serve as a member of a multidisciplinary scientific team. The incumbent evaluates INDs for possible marketing; monitors & evaluates clinical trials of NDAs & performs surveillance of post-marketed drug products. Must have an M.D. or D.O. degree to be eligible. Graduates of foreign medical schools must submit certification from the ECFMG. Should possess ability to evaluate & analyze scientific information pertaining to possible benefits & risks of proposed NDAs; skill in use of analytical computer software; skill in written & oral communications. Salary, benefits and level of responsibility are commensurate with education and experience. Additional bonuses above base salary are also possible.

**555P** Postdoctoral Position. Molecular and cellular biology of c-myc in human hematopoiesis and cancer. Currently available, \$22-24,000. Contact Dr. Eric Westin, Box 980230 MCV, Richmond, VA 23298-0230.

**556P** Postdoctoral position to study aspects of squamous cell carcinoma tumor progression related to growth, differentiation, and regulation of apoptosis. Experience in signal transduction and mol. biol. desirable. Available 9/96. Contact Dr. Randall Kramer, UCSF Cancer Center, Dept. Anatomy and Stomatology, Sch. of Medicine and Dentistry, Box 0512, San Francisco, CA 94143. Voice: 415-476-3274/Fax: 415-476-4204. Email: randyk@itsa.ucsf.edu.

**557P** Postdoctoral positions in Molecular Pharmacodynamics. Integration of molecular pharmacology, extracellular and intracellular pharmacokinetics

to determine subcellular events and cellular response to chemotherapeutics. Desire experience in the following techniques: molecular biology, chemical kinetics, drug analysis, and computer modeling. Experimental models used in our laboratory include cells, human solid tumors, animals, and patients. Contact Dr. Jessie Au, OSU College of Pharmacy, 500 W. 12th Ave, Columbus, OH 43210.

**558P** Postdoc position, NIH-funded project on redox control of apoptosis. Mammalian cell transfection, gene regulation and biochemical approaches. Competence in molecular biology, cell culture, and effective communication skills required. Avail. July 1996, \$23,000-\$25,000. Contact Dr. M. Briehl, Dept. of Path., University of Arizona, Tucson, AZ. e-mail: mmbriehl@mail.arizona.edu.

**559P** Postdoctoral position available immediately, to work on molecular analysis of androgen receptor structure and function in prostate cancer. Experience in molecular biology and biochemistry required. Contact Evelyn R. Barrack, Ph.D., Johns Hopkins School of Medicine, Urology and Oncology, 600 N. Wolfe St., Marburg 115, Baltimore, MD 21287-2101; (410) 955-4491; e-mail: ebarrack@gwgate1.jhmi.jhu.edu.

**560P** Postdoctoral position avail. immed. to work on regulation of growth of normal mammary gland and breast cancer by ECM and interactions with steroid hormones and growth factors. Experience in cell and molecular biology and cell culture required. Contact Sandra Z. Haslam, Ph.D., Dept. Physiology, 111 Giltner Hall, Michigan State Univ., East Lansing, MI 48824; (517) 355-6475, ext. 1232.

**561P** Exciting opportunities for 2 Post-Doctoral Fellows to work in the area of tumor suppressor genes, gene therapy, or isolation of new therapeutic genes for human cancer. Mol. Biol. experience preferred. Contact Dr. Hong-Ji Xu or Dr. William Benedict, MD Anderson Cancer Ctr., 4000 Research Forest Dr., The Woodlands, TX 77381.

**562P** Postdoctoral Research in Mammary Carcinogenesis. Conduct experiments and independent research on the role of the microenvironment in radiogenic cancer using immunofluorescence, biochemical and molecular endpoints. Prefer experience w/molec. techniques. Available immediately. Contact Dr. M. H. Barcellos-Hoff, Lawrence Berkeley Lab at MH Barcellos-Hoff@lbl.gov.

**563P** Research Scientist, Ph.D. in Pharmacol., Biol. or related discipline with up to 5 years postdoctoral experience. Participate in multidisciplinary team directed towards the discovery and development of novel anti-tumor and anti-inflammatory agents. Responsible for conduct of *in vitro* and *in vivo* efficacy and mechanism of action studies, pharmacokinetics. Avail. immediately. Contact HR/Code 16SW, Agouron Pharmaceuticals, Inc., La Jolla, CA 92037-1020.

**565P** Asst. Prof./Post-doc. in Hematology/Molecular Immunology for Ph.D. interested in hematopoietic regulation, immunoregulation, flow cytometry, and gene therapy in stem cell transplantation. Will join a multi-disciplinary research program focused on immune regulation, hematopoiesis, and gene therapy for purging during stem cell (PSC and BM) transplantation. Avail. July 1996. Contact James Talmadge, Ph.D., Pathol/Microbiol, Univ. NE Med. Ctr., 600 So 42nd St., Omaha, NE 68198-5660; (402) 559-5639. AAEOE.

**566P** Postdoc. with broad knowledge and experience in molecular cancer genetics. Conduct research in prostate cancer gene cloning and/or analysis of genetic alterations. Available May 1996. Contact Dr. Jacob Kagan, Section of Experimental Lab Medicine, Box 54, U.T.M.D.A.C.C., Houston, TX 77030.

**567P** Research assistant with background/experience in cell and molecular biology for prostate cancer related research.

**568P** Postdoctoral Fellow in Oncology at University of Michigan Cancer Gene Therapy Program. Research projects include design/characterization of tissue targeted adenovirus vectors, and design/characterization of antigen specific poxvirus vaccines using transgenic animal models. Avail. immediately. Contact Dr. Martin Sanda, 2916 Taubman Center, 1500 E. Medical Center Dr., Ann Arbor, MI 48109-0330.

**569P** Postdoctoral position available to study cel-

lular mechanisms of drug sensitivity in breast and head-neck cancers. A recent Ph.D. in molecular biology is required with experience in cloning, site directed mutagenesis, protein purification and enzymology. Please submit a curriculum vitae, summary of research experience and scientific interest, and names of three references to: Giuseppe Pizzorno, Ph.D., Pharm.D., Dept. Internal Medicine, Section of Medical Oncology, Yale University School of Medicine, 333 Cedar Street, SHM I 220, New Haven, CT 06520. Tel. (203) 785-4549; FAX (203) 785-7670.

**570P** Molecular mechanisms of PI 3 kinase activation on signal transduction. Molec. Biol. experience needed. US/P. Res. preferred.

**571P** Post. doc. in Mol./Cell. Biol. Conduct res. on protein kinases as a therapeutic target for the induction of apoptosis and test its relationship to the cell cycle. Avail. ASAP; \$30,000; Contact Dr. G. K. Schwartz, Dept. of Med., Memorial Sloan-Kettering Cancer Center, NY, NY.

**572P** Postdoc. in Mol. Toxicology. To study chemically-induced and hereditary models of colon cancer in a transgenic-chimeric mouse model. Experience in molecular techniques and immunohistochem. desirable. Available immediately. \$20-24,000. Contact Dr. D.W. Rosenberg, Dept. of Pharmacol. Sci., Univ. of Connecticut, Storrs, CT.

**575P** Postdoc. exp. in Mol. Biol./Cell Biol. Research in transcriptional regulation of cellular detoxification enzymes and mechanisms of gene induction by anticarcinogens. Avail. June 1996. Contact Dr. David Barch, Northwestern Univ. Lurie Cancer Center, 303 E. Chicago, Room 8370 Olson, Chicago, IL 60611.

**576P** Postdoc./Res. Assoc. in biochem., immunol., molec. biol. or combo. To conduct research on proteins and related compounds with goal of developing or refining tumor markers. Avail. Sept. 1996. Contact Dr. L. D. Smith, Director, Snyder Res. Fdn., Winfield, KS.

**577P** Ph.D. for studies related to molecular biology of platinum resistance in ovarian cancer. Contact David Spriggs, M.D. @ Memorial Sloan Kettering Cancer Center, New York, NY 10021.

**578P** Postdoc or Sr. Res. Asst. in GI Oncology Dept. Conduct indep. res. on apoptosis and its regulation in GI cancers. Molecular biol. experience (1-2 yrs) required. Avail. May 1996. Salary negotiable. Contact F. Sinicrope, M.D., MD Anderson Cancer Center, 1515 Holcombe Blvd., Houston, TX 77030.

**579P** Postdoctoral position for recent Ph.D. to study molecular and biochemical mechanisms underlying dietary interventions that delay tumorigenesis. Avail. Oct. 1, \$25,000-30,000. Contact Dr. S.N. Perkins, Lab. Nutritional and Molecular Regulation, National Cancer Institute-FCRDC, 560/12-48, Frederick, MD 21702.

**580P** Res. Assoc./Postdoc. Fellow to study altered genes and their expression in preneoplastic and malignant colonic and prostatic tissues. Emphasis on human cancers with *in situ*, molecular biologic, and cytogenetic methods; parallel studies with animal and *in vitro* models. Available now; salary neg. Contact Dr. T. Pretlow, Inst. Pathology, Case Western Reserve U., Cleveland, OH 44106.

**581P** Postdoctoral fellowship available for cloning cellular senescence and tumor suppressor genes. Experience in molecular cloning techniques is required. Candidate must have less than five years post-doc experience. Avail. immed. \$25,000-\$35,000. Contact Dr. J. Carl Barrett/Dr. Cynthia Afshari, NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709.

**582P** Postdoctoral fellowship available for the study of protein interactions and cell adhesion in tumor metastasis. Experience in protein biochemistry and cell adhesion required. Candidate must have less than five years post-doc experience. Avail. immed. \$25,000-\$36,000. Contact Dr. J. Carl Barrett/Dr. Cynthia Afshari, NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709.

**583P** Postdoc to lead ongoing project on role of eicosanoids and other bioactive lipids in cancer cell apoptosis.

**584P** Postdoc to work on signal transduction by bioactive lipids. Identify gene for novel receptor for monohydroxy fatty acids.

**585P** Asst./Assoc. Prof. (tenure track). 5 positions

available to join WSU Prostate Initiative. 5 participating depts. School of Med. recruiting persons interested in basic and translational aspects of prostate cancer research.

**586P** Genetics & Epidemiology Training in Cancer at Natl. Cancer Institute. 3-yr. interdiscip. prog. in prin. & methods of the fields with opport. for res. Requires M.D., Ph.D., or equiv. in related discipl., U.S. cit. or resid. alien elig. w/in 4 yrs. Deadline: Nov. 30, 1996 for July 1997. Dr. Parry, NCI, 6130 Exec. Plaza Blvd., EPN, MSC 7360, Bethesda, MD 20892-7360; 301-496-4947.

**587P** Postdoctoral position available immediately for cellular and molecular biological studies of oncogenic isoprenylated proteins and/or experimental therapeutics of pancreatic cancer with monoterpenes. Contact: Dr. Pamela L. Crowell, Dept. of Biology and the Indiana University Cancer Center, 723 W. Michigan St., Indianapolis, IN 46202; (317) 278-1144; PAMELA\_CROWELL@IUCC.IUPUI.EDU.

## CANDIDATE LISTINGS

**1C** Ph.D. 1996, Pathology; colon cancer, lipid metabolism, expt'l. therapeutics using antioxidants. Tissue culture, animal model: colon cancer, implants into descending bowel, peroxidation assays, SDS-PAGE, Western blots, ELISA, PCR, TNF $\alpha$ /WEHI assay, solid phase eicosanoid extraction, derivatization, and analysis by HPLC, GC; RIA, radioligand studies/Scatchard receptor analyses, animal model: atherosclerosis. Computer proficient, grant writing experience, 5 yrs. teaching experience. Seeking indus., acad., or res. position/post-doc. New England only.

**2C** Ph.D. 1983, Med. Microbiol. & Immunol.; virus, oncogene, tissue clonality, nucleic acid analyses; postdoc. 3 yrs., asst. prof. 3 yrs., clinical dept. dir. 3 yrs., industry 3 yrs. gynecologic malignancies; mutation detection; exon mismatch scanning; Avail. May 1996; current grant support.

**3C** Ph.D. expected 1996. Carcinogenesis/Biochemistry; Mammalian cell culture, Western blots, ELISA, immunofluorescence, chromatography, <sup>32</sup>P-post-labeling, alkaline solution (DNA damage analysis), flow cytometry, protein kinase assays, fluorography, animal studies, tumor suppressor genes. Seek postdoc acad/gov't/indus position. Avail. Aug/Sept 1996. Geographic preference flexible.

**4C** Ph.D. expected Dec. 1996, Cell Biol./Tumor Biol.; Tissue culture, Northern/Southern/Western blots, PCR, RPA, growth factors, oncogenes, apoptosis, cell cycle; seek acad. or indus. postdoc. position. Available Jan. 1997.

**5C** Ph.D. Summer 1996 (Expected), M.D. 1984. Mol./Cell Biology; colon cancer, growth factor & receptor; gene expression, antisense, protein and RNA quantitation, reporter gene; cell culture, transfection, cloning, library; immunochemical assays; electron microscopy. Teaching experience 7 years. Seek academic research position. Available August 1996.

**6C** BS (Chemistry); BS (Chem. Technology), MS (Chem), PhD (Toxicology), Expected Dec 1996; Molec./Cell. Biology; Northern/Southern/Western blots, DNA ladder (apoptosis), DNA probes, Nucleotide sequencing, protein isolation and purification, tissue culture, analytical chemistry techniques. Seek academic/industrial research position. Available Jan 1997. No geographic preference. Salary negotiable.

**7C** Ph.D., Expected 1996, Microbiology/Cell Biol. Tissue Culture. Biochemical Assays: HMGCoA reductase, cholesterol synthesis, LDL receptor, ras western blots, proliferation by thymidine, MTT. Animal Studies: (development of) hepatic, (conducted) spleno-hepatic "metastatic", colonic, and subcutaneous tumor implantation; Kupffer cell isolation. Some experience with HPLC, GC. Extensive grant writing exper. Lab. Teach. exper. 4 years. Seek acad/indus. postdoc where I can develop more mol. biol. skills. Salary negotiable.

**8C** Ph.D., 1992, Biochemistry; Drug discovery, signal transduction, receptor tyrosine kinases, oncogenes, transformation/tumor growth studies, protein purification/characterization, nuclear/cytosolic/serum steroid binding proteins, immunol. analyses. Postdoc. 3 yrs. Seek indus./acad. research position. Available immediately. Prefer eastern states. Salary negotiable.

**9C** M.D., 1980, Fulltime research (8 yrs) in Cell & Molec. Biol.; Cloned new gene, characterized its

- protein (distribution, function, related proteins). AP/CP cert. in pathology (1985). 1986-88, asst. prof. in surgical pathol., cytology, & teaching. Seek acad./indus. research position. Available July 1996. Salary negotiable.
- 10C** M.S., 1996, Molec./Cell. Biol.; Tissue culture, cell surface receptors, immunoprecipitation, SDS-PAGE, Western blot, transformation and plasmid extraction, CAT assay, agarose gel electrophoresis, PCR, nucleotide sequencing, peptide synthesis, HPLC analysis, protein purification, cloning experience and enzyme inhibition assays. 3 years pharmaceutical industry research experience. Avail. October 1, 1996. Prefer East or West Coast.
- 11C** Ph.D., 1996 expected. Molec. Pharm; protein expression and purification, sub-cloning, sequencing, PCR, tissue culture (stable and transient transfections), Northern/Southern/Western blots, RNAase protection, oncogenes. Seek academic post-doctoral position. Available early Fall 1996.
- 12C** D.V.M., 1977; Ph.D., 1987. Vet. Pathol., Molec. Biol.; Carcinogenesis, DNA repair, mutagenesis, molecular pathology, comparative pathology, histopathology, immunohistochemistry, *in situ* hybridization, oncogenes, growth factors, cell cycle. ACVP board-certified. Current grant. Seek acad./indus. position. Avail. immediately. Salary negotiable.
- 13C** Ph.D., 1990, Natural Products Chemistry, bioassay guided isolation, structure elucidation, NMR, MS, UV/VIS, IR, chromatography-including TLC, HPLC, gel permeation, supervisory experience, NIH IRTA postdoctoral fellowship, NCI senior staff fellow 4 yrs. Seeks indust./gov. research position. Avail June 1996. Will relocate. Salary negotiable.
- 14C** Ph.D., 1993, Biochem., Microbiology; Eukaryotic/prokaryotic cell culture, native/recombinant protein purif., immunolog. analyses, Poly/monoclonal Ab production, GST/cisplatin studies, cDNA manipulation, protein engineering. Postdoc. 2 yrs., Teach. exp. 3 yrs. Seek acad./indus research position. Avail. July 1996. Salary negotiable.
- 15C** Ph.D. (expected), 1996, Molec./Cell. Biol., Growth Factors, receptors, tumor suppressor genes, cell cycle, breast cancer, hormones. Tissue culture, gene subcloning & expression, northern/southern/western blots, nuclear run off, RNA protection assays, immunoprecipitation, chem. cross-linking, protein purif. (HPLC), immunol. analyses. Seek acad./indus. post doc. research position. Avail. Sept. 1996.
- 16C** Ph.D., 1990, Oncobiology/Microbiology; Cell migration, extracellular matrix, integrins, signal transduction, some molecular biol. Postdoc. 5 yrs. Seek acad. research position applying molecular biology to studies of signal transduction. Avail. approx. Dec. 1996. Prefer East coast region. Salary negotiable.
- 17C** Ph.D., Expected May 1996, Cell and Molecular Biology; Cell culture, Immunohistochemistry, Enzyme assays, Northern/Southern/Western Blots, Plasmid preps., Chromatography, Sequencing. Seek Postdoc. Position (Academic or Industry). Available June 1996. Salary Negotiable.
- 18C** Ph.D., 1995 Molec./Cell Biol.: Tissue culture, Western/Southern/Northern blots. Transfections, riboprobes, DNA probes, nuclear and nucleolar isolations, immunocytochemistry, Ca<sup>++</sup> regulation, cDNA library screening, immunoprecipitation, antisense oligo and construct transfection, proliferation assays, 2D gel analysis, flow cytometry, animal work. Prefer southwestern states.
- 19C** Ph.D., anticipated date: Jan., 1997. Tissue culture, DNA Cloning, Northern/Southern/Western blots, transfections, PCR, cDNA library screening, immunoprecipitation, gel shift analysis, CAT assays, *in vitro* kinase assays, animal work. Salary negotiable.
- 20C** DDS 1983, PhD 1995, Molec./Cell. Bio/Pathol.; RT-PCR, RFLP, Northern/Southern blots, *in situ* hybridization, immunohistochemistry, mammalian cell culture/transfection, small animal surgery, *in vivo* tumorigenic assay; cancer invasion and metastasis, MMP/TIMP, histogenesis in salivary gland tumors; histopathology diagnosis, clinical diagnosis of oral diseases/tumors, American Board of Oral Pathology eligible. Post-doc. 1/2 yr, res. exp. 5 yrs, teach. exp. 3 yrs. Seek acad./gov. res./teach. position. Avail. immediately. No geographic preference. Salary negotiable.
- 21C** Seeking employment in communications, publishing/writing, policy making, regulation or public affairs. Strong science biomedical background with teaching experience. Ph.D. expected Dec 1996 in Physiology with focus on tumor cell biology.
- 22C** Ph.D., 1993, Biochemistry; Biological effects of drugs, flow cytometry, tissue culture, immunol. analyses, DPH polarization, Northern/Western blots, RBE of radiotopes, enzyme kinetics, membrane transport, mutagenesis, DNA sequencing. Postdoc. 3 yrs. Seek indus./acad. research position. Avail. July 1996. Salary negotiable.
- 23C** Ph.D., 1988, Biochem./Genetic Toxicol.; Mechanisms of cytotoxicity, mutagenicity and genotoxicity in relation to formation of activated metabolites and reactive oxygen species. Drug metabolism. Enzyme systems of xenobiotic metabolism. Mechanisms of enzyme inhibition. Supervisory exp. Seeks industry position as research scientist in toxicology or drug metabolism. Avail. immed. Salary negotiable.
- 25C** Drug Discovery/Bioanalytical: Ph.D., 1990, pharmaceutical chemistry; 4 yrs. Postdoc. in structure-based drug design & experimental therapeutics. Protein isolation, purification, characterization; enzymology; mammalian cell culture; signal transduction. Seek staff scientist position in industrial R&D. Avail. summer 1996. Salary negotiable. Will relocate.
- 26C** Seek post-doc position in the area of Cancer and Signal Transduction in acad./indus./govt. Avail. Spring 1997. BA, 1991 UC Berkeley in Mol./Cell. Biol. Thesis specializing in Ras/Raf interaction and Ras CAAX Peptidomimetics utilizing tissue culture and molecular biol. techniques. Prefer United States. Salary negotiable, but competitive.
- 27C** Ph.D. expected Summer 1996, Toxicology and Carcinogenesis: DNA adducts, <sup>32</sup>P-postlabeling chemoprevention studies, xenobiotic metabolizing enzymes, method development for oxidatively modified DNA bases, large animal and poultry pathology, electron microscopy. Clinical and Lab. experience 2 yrs. Seek acad./indus./regulatory position. Available June 1996. Salary negotiable.
- 28C** Ph.D., 1993, Mol. Biol./Biochem.; Cell cycle regulation, Cell culture, Isogenic cell lines, Xenograft animal model, Flow cytometry, PCR/RT-PCR, Cloning/screening, antisense, South./North./West. blots, Inducible promoter system; Protein isolat., purif. and charact., FPLC, HPLC, Immunol. analyses and Transcription assays; Toxicology. Postdoc. 3 yrs. Seek indus. position. Avail. 1996. Salary negotiable.
- 29C** Ph.D., Immun./Molec. Biol., 5 yrs. postdoc, 3 yrs. Director of Research Lab. Pharmaceut. Experience in mgmnt. clinical trials in women's health & oncology. Experience, knowledge & skills in Cell. Immunol/Molec. Biol.
- 30C** Ph.D. expected fall 1996, Pharmacy/Pharmaceuticals; Pharmacokinetics/drug metabolism, PBPK modeling, bioanalysis (HPLC/RIA), animal exp, xenografts, cell/tissue culture, immunohistochemistry, autoradiography. Seek acad./indus./govt. postdoc position. Avail. Sept. 1996, no geog. pref. Salary negotiable.
- 32C** Ph.D. anticipated spring 1996, Molecular Genetics; protein DNA interactions, DNA damage and repair assays, clinical investigations, protein purification, immunological assays, virology, tissue culture. Seek postdoc. or acad./indus. research position. Available June 1996. Salary negotiable.
- 33C** Ph.D., 1994, Pharmacology/Cancer Chemo.; Cell culture, clonogenic assays, intracellular pH determination, PCR, Northern/Southern/Western blots, Mab production, cDNA libr. construction. NCI Postdoc. 2.5 yrs - Molecular mechanisms of drug resistance. Seeks research position in acad./gov. or indus. Avail Sept. 1996. Prefer Eastern US. Salary negotiable.
- 34C** M.D., 1983, Ph.D., 1996, Molec./Cell Biology/Virol.; PCR, RT-PCR, gene cloning, site-directed mutagenesis, *in vivo* foot-printing, DNA sequencing, Northern/Southern/Western blots, DNA probes, tissue culture, Karyotype, Immunol. analysis. Clinical exp. 7 yrs. Seek acad./indus. research position. Avail. Sept. 1996. Prefer midwest. Salary negotiable.
- 35C** Ph.D., 1994, Molec. Biol./Genetics, Molecular Cytogenetics, Fluorescence *in situ* hybridization, Genotype genes susceptible to cancers/diseases, *In vivo/in vitro* genotoxicity test, DNA cloning, Southern/Western blots, Nonradioactive probes, Automation of DNA sequencing, Detection of rare mutation/translocation, Postdoc. 2 yrs; seek position in government, industry, biotech company, consulting firm. Avail. summer 1996.
- 36C** Ph.D candidate, grad. Spring 1996. Mol./cell Biol., Cell culture bioassay, surface receptors, Northern/Western, DNA probe, gel mobility shift, metabol. label/immunoprecip., ELISA, Chromoto. Teaching 3 yrs, hospital resid. 1 yr, research assist. 2 yrs. Seek acad./indus postdoc. Avail. June 1996. Prefer Texas. Salary negotiable.
- 37C** Ph.D., 1993, Biochem./Molec. Biol.; Protein purification/character., 2D electrophoresis, Northern/Southern/Western blot, cDNA library const., genomic/cDNA cloning/sequencing/expression, Retrovirus/adenovirus const. and infection, tissue culture, cell cloning and gene transfection. Postdoc 2 years. Seek indus./acad. research position. Avail. July 1996. Salary negotiable.
- 38C** M.D., 1985, Ph.D., Mar. 1995, Tumor Biol./Immunol.; Tissue culture, bioassay, glycoprotein antigens, selectin, immunohistochemistry, flow cytometry, Northern/Southern blots, DNA probes, DNA sequencing of PCR, oncogenes. Postdoc. 1 yr. Seek acad./indus/gov. research position. Avail. Sept. 1996. Geographic preference and salary negotiable.
- 39C** Ph.D., Expected 3/97, Carcinogenesis/Biochem./Toxicol.; post-labeling assay, DNA adduct chemistry, TLC, HPLC, Blue rayon/organic extraction of carcinogens, genomic DNA isolation, Aberant Crypt Foci assay, PCR, electrophoresis, cell culture, animal micro surgery, computer skill. Seek acad./indus./govt. research position. Avail. 4/97, location:open, salary negot.
- 40C** M.D. & M.S., 1983. Molecular oncology, tumor immunology & folate biology. Preparation of DNA/RNA/protein. Northern/Southern/Western blot, DNA probes, c-DNA cloning, PCR, DNA sequencing, HPLC, SDS-PAGE, FACS & immunol. analyses. Postdoc 3 yrs, teach & research associate exp. 7 yrs. Seek Acad./Indus research position. Avail ASAP. Salary negotiable.
- 41C** D.M.D., D.M.Sc. 1981, Mol. Biol./Cell Biol./Genetics/Chemoprevent. Tissue culture, surface receptors, cell signals, oxidative state. PCR, immunohistochem., *in situ* hybrid, RT-PCR, Western/Southern blot, immunol. assays apoptosis, DNA repair, oncogenes. Postdoc 4 yrs. Teach 15 yrs. Patent T cell Protein, Seek acad./indus. research position. Avail June 1996. Prefer N.E., S.E. Salary nego.
- 42C** Ph.D., 1986, Cell Biol.; Tissue Culture. Immunoassays. ELISA, RIA, Immunohistochemistry. DNA damage, DNA repair, DNA adducts. Detection of DNA damage in genomic and subgenomic fractions. Mitochondrial DNA. Telomeric DNA, target drugs, nucleoside analogs. Post Doc. and Research Assoc. at NIH for 9 years. Seek acad./indus. research position. Avail. June 1996. Prefer Washington, DC or Maryland area.
- 43C** MD., Ph.D., 1978, Cell Biol & Genetic, Clinical Investigation, Immunology, Carcinogenesis, Signal Transduction, Growth factors, Develop tests for cancer detection. Protein purification, Northern/Southern/Western blots, HPLC, tissue culture, anti-oncogenes, Immunol analysis. 15 years experience in cancer research. Discoveries: Mechan. pRb action, poly-premature oscillating cytokineses, antitumor activity of fibroblasts. Seek acad./indus. research position. Avail 1996, salary negotiable.
- 44C** Ph.D., 1996, Cell./Molec. Toxicology; Receptors, signal transd., gene regulation, oncogenes, tissue culture, Northern/Western/Southern blots, RT-PCR, gel retardation, foot printing, immunofluorescence, immunol. analyses, immunohistochemistry, immunoprecipitation, flow cytometry, HPLC analysis. Seek acad./indus. post-doc. Avail. Jan. 1997.
- 45C** Ph.D (exptd. Dec. 1996) Cell/Molec. Biol. & Genet.; Tissue culture, immunoprecipitation, Northern/Western blots, RNase protect., primer ext., FISH, cytogenet. Teach. exp. 2 yrs. Seek acad./med./indus. research position in breast or skin cancer. Avail. Jan. 1997. Native American. No regional preference.
- 46C** Ph.D., in progress, Molec. Biol.; Mutation assays, ligation techniques. Analytical techniques; HPLC; Spectroscopic techniques; Absorbance, fluorescence, CD, melting curves; Molecular Modeling; Energy Minimization; AMBER, INSIGHT, dynamics of DNA and carcinogen, structural analysis. Seek acad./indus. research position. Avail. Jan. 1997. Prefer N.Y., N.J., Conn. area. Salary negotiable.
- 47C** Ph.D., 1996, Cancer Biol/Micro & Immunology; Peptide and peptide library synthesis, protein tyrosine

kinase, enzyme kinetic study, combinatorial peptide library screening, DNA cloning, DNA sequencing, tissue culture, Western blots, immunol. analyses, oncogenes, PTK inhibitor. Internal Med. Fellow 2 yrs., Seek acad./indus. research position. Avail. Aug. 1996. Anywhere in USA. Salary negotiable.

**48C** Ph.D. 1996 (expected), Cell Biol., Molec. Toxicol., Biochem. Stress-related signal transduction and gene expression, tolerance/necrosis/apoptosis, calcium and thiol regulation, oxidative stress, cell culture, Northern/Southern/Western blots, gel retardation, nuclear run-on, reporter construct analysis, immunoprecipitation, immunofluorescence, DNA subcloning, transfection. Seek acad./indus. postdoc. position. Avail. Winter 1996. Salary negotiable.

**49C** Ph.D. 1988, Cell/Molec. Biol.; Cancer Pharmacology/Radiation Oncology, Regulation of drug or radiation induced gene expression and signaling events during tumor cell differentiation and apoptosis; Cell culture, Northern/Southern/Western blots, PCR, Cloning, Transfection, Yeast two hybrid. Publications 41, 3 Yrs. post-doc and 4 Yrs. Harvard faculty. Seek academic/govt./indus. research position. Salary negotiable.

**50C** Ph.D., 1993, Radiation Biology/Biochemistry, cell culture, in vivo antitumor assays, COMET assay, hypoxia induction in vivo/in vitro, GLC, western blots, DNA manipulation. Postdoc 3 yrs, 1 year teaching experience, seek academic/industrial research position, available now, salary negotiable, willing to relocate.

**51C** Ph.D. 1989, Biochemistry; peptide/protein chemistry, enzymology, RIA; Molecular biology (RNA isolation, RT-PCR, Southern blot, LCR), cell culture. Seek acad./indus./govt research position. Avail. now. Prefer northeast or midwest, will consider all areas.

**52C** Ph.D., 1996, Cell/Molec. Biol.; carcinogenesis/angiogenesis; cell culture, organotypic coculture, proliferation assay, cell cloning, stable transfection of mammalian cells, Northern/Southern Analysis, standard mol. biol. techniques, immunofluorescence, RNA in situ hybridization; Seek acad./indus. postdoctoral position. Avail. June 1996.

**53C** (Ph.D. expected Fall 1996). Tumor/Molecular biology: PCR/RT-PCR, Northern-Southern blot, SSCP, cloning, sequencing, bacterial cell culture, oncogene expression analysis, quant. DIA and HPLC. European trained native American seeks 2 yr. post-doc. post. Avail. Fall 1996.

**54C** Ph.D., 1996, Molec. Biol./Genet.; Tissue culture, transient/stable cell transfection, single cell cloning, immunocytochemistry, Southern/Northern/Western blots, RNA fingerprint, 5'/3'-RACE, library construct/screening, DNA subcloning/sequencing, recombinant protein expression/purification/enzymol. analyses. Physician 2 yrs., Teach. 3 yrs. Seek acad./indus. res. position. Avail. Sept. 1996. Salary negotiable.

**56C** Ph.D. 1996, Cell/Molec. Biol.; Tissue culture, angiogenesis, cell matrix, multidrug resistance, Northern/Southern/Western blots, PCR, Zymography, Surgical technique. Postdoc. 1 year, Surgeon 8 yrs. Seek academic research position. Avail. Oct. 1996. No specific geographic preference. Salary negotiable.

**57C** M.D. 1985, Ph.D. 1996. Biochemistry. Cell culture, cytotoxicity assay, anticancer drug metabolism, targeting, resistance, HPLC, cell fractionation. Protein purification, enzyme kinetics. DNA primase, polymerase  $\alpha$ , topoisomerase II assay. Southern/Northern/Western Blot, PCR, genetic mapping, nuclear run off. Animal handling, Immunoprecipitation, ELISA, Immunohistochemistry. Electronic microscopy. Seek acad./indus. Postdoc. Position. Avail. August 1996. Prefer Western or Eastern coast. Salary negotiable.

**58C** PhD expected early 1997, Pathology; BSc Genetics; Primary glial cell culture, cytotoxicity/proliferation assays, immunocytochemistry, flow cytometry, apoptosis, DNA/RNA/protein isolation, Southern/Northern/Western/slot blots, PCR, DNA sequencing, subcloning, *in vitro* transcription/translation. Seek postdoctoral position, preferably in neuro-oncology research. Available spring 1997. Salary negotiable.

**59C** Ph.D., 1994, Molec./cell. biology. Tissue/primary culture, molec. cloning, DNA sequencing, Southern/Northern blot, RT-PCR, RPA, *in situ* hybridization, immunochemistry, mammalian cell transfection. Postdoc. 2 yrs. Seek acad./indus./govt. research position. Avail. summer 1996. Geog. flexible but not very north-east states. Salary negotiable.

**60C** PhD 1993; Molecular and Cellular Biology; Gene expression in inflammation and cancer; Signal transduction, Cell cycle regulation. Northern/Western analyses, tissue culture, PCR, MAPK/cdk immunokinase assays, adenovirus, cytotoxicity assays. Postdoc 3 yrs. Seek acad./indus./govt research position. Avail. 1997.

**61C** Ph.D. 1994, Pharmacol./toxicol. Analytical instruments. Animal microdissection. Cell isolation, transformation and cloning. Molecular biology: cDNA library screening, Northern/Southern/Western, and ELISA. One year postdoc., two years teaching, seek indus./acad. research position.

**62C** M.D., Ph.D., 1993, Gen. Pathol. Tissue & cell culture, Northern/Southern/Western blots, PCR, *in situ* PCR/hybridization, subtractive hybridization, expressed sequence tags, cDNA & genomic library, sequencing, recombinant retroviral vector construction, expression cloning, DNA probes, immortalization & transformation of mammary cells, Mc-Ab and histoimmunological techniques. Postdoc 1 yr. Seek postdoctoral position. Available July 1996.

**63C** Ph.D., 1991, Carcinogenesis, Metabolism, Cell culture, DNA adducts, Postlabeling, HPLC, Xenobiotic metabolism of BP, DMBA, DBP, AFB1, IQ, MelQx, PhIP in trout and mice. Postdoc. 3 1/2 yrs. Teach. exp. 4 yrs. Expertise in bioanalytical method development, NMR, Mass Spec. and GC. Seek acad./indus. research position. Available Aug. '96. No geographic preference. Salary negotiable.

**64C** BSc. 1991. Industrial Chem. PhD. 1996 Molec. Biol. Transcription of P-glycoprotein, inhibition of transcription by steroid hormone receptors, drug resistance. Tissue culture, transfections, North/West/South blots, RNase protections, expression cloning, protein purification. Cytotoxicity assays, drug uptake/binding assays. Seek acad./indus. position. Invertebrate genetics a plus. Prefer North East/West Coast. Salary negotiable.

**65C** Ph.D. 1990 Molecular/Cellular biologist. Independent research in molecular control of breast cancer metastasis. Expertise in translational gene regulation, protein biochemistry and translational development. Seek industrial research position, available immediately.

**66C** Ph.D., 1995, Biochem/Molec. Biol., MS., 1986, Pharmacol.; MD., 1983, Medicine. Protein Purif. membrane & cytoskeleton interact.; signal transduc., kinase isolat. & assay, DNA-protein interact.; molecular cloning & sequence, DNA & RNA isolat., RT-PCR, Northern/Southern/Western blots, gene transfect.; cell grow regul., cell culture, antib. gener. & purif., immunocytochem., cytokine & hormone carcinogen; animal surg. & experimentat. Research exp. 10 yr, Postdoc. 1 yr, Teach. 3 yr. Seek acad./indus./gov. res. position. Start date & salary negotiable.

**68C** Ph.D. expected Mar. 1997; M.S., 1988. Radiobiology/Radiation Oncology; cell culture; animal study; cytotoxicity; chemiluminescence; DNA extraction; western blots and RIA; flowcytometry. Teach. exp. 4 yrs. Seek acad./indus.govern. research position. Avail. April. 1997. Salary negotiable.

**69C** M.D. 1989, PhD, 1996. Molecular & cellular biology, DNA-protein interaction, signal transduction and transcription regulation technique. Growth factors/Oncogenes study, retinoids study, gene expression. Know most of molecular biology techniques. Res. experience 6 yrs. Avail 09/96; Seek postdoc, research assoc pos. in academic or industrial setting. Sal Negot.

**70C** PhD, 1993, Toxicological Sciences; Free radicals in carcinogenesis/aging; signal transduction; cell cycle regulation. Tissue culture, DNA transfections, Northern/Western blot analyses, MAPK immune complex kinase assays, *in vitro* toxicity assays. Postdoc 3 yrs. Seek acad./indus./govt research position. Avail 1996 or 1997.

**71C** Ph.D. (anticipated August, 1996); Extensive experience in mammalian cell culture and related techniques, PCR, RFLP analysis and other molecular techniques, immunohistochemistry, electron microscopy. Five years college teaching experience. Seek postdoctoral research position. Prefer Northeast. Available September, 1996.

**72C** Ph.D. Sept. 1996 (Environmental Oncology), M.S. Biochemistry (1991). Background in Biochemistry, Environmental and Genetic Toxicology and Carcinogenesis; bacterial mutagenesis, cell culture, *in vitro* DNA replication, polymerase kinetics, metals, southern blotting, PCR, DNA sequencing, immunological techniques, biostatistics, searching/mapping Nucleic acid/protein sequences using genbank. Outstanding oral and written English. Seek post-doc in academia/industry or research position in industry.

**73C** Ph.D., 1993, Molec. Biol./Microbiol.; 2 yrs biomedical postdoc. in experimental cancer therapeutics. Expertise in antisense technology, PCR, oligonucleotide design and synthesis, cationic lipids and particle bombardment delivery systems, import of membrane proteins, reporter gene assays, RNase protection, DNA sequencing and computer analysis, and blot hybridization for analyzing DNA, RNA, and proteins in prokaryotes and eukaryotes (both plants and mammals). Seeking acad./indus./govt position in cancer research. Avail. April 1996.

**74C** Ph.D., 1984, Molecular Biochem.; 6 years postdoctoral and 5 years biomedical research performance, direction, and planning on the regulation of prokaryotic, plant, and human gene expression. Expertise includes vector development, protein/nucleic acid interactions, cytokine biology and hematopoiesis; 15 publications, 4 in press, 11 presentations, 1 U.S. patent. Seeking academic position in human developmental gene regulation or biotech/pharmaceutical position in discovery R & D. Interested in project initiation, design, and implementation. Available May, 1996.

**75C** Ph.D., 1990. Biochemistry. Anion efflux mechanisms in mammalian cells and erythrocytes, drug resistance, membrane proteins, purification/characterization, peptide fingerprinting, immunoprecipitation, cell culture, Northern/Southern/Western blots, transfection, DNA sequencing, cDNA library screening. Postdoc. 5 years. Seek academic/industrial research position. Available immediately. No geographic preference. Salary negotiable.

**76C** B.A., A.S. Molec./Cell Biol.: Four years exp. manag. of GMP/GLP, State & FDA approved clinical lab for phase I/II trials. Industry, govt. & academic experience. Tissue culture, *in-vitro* chemosensitivity assays, R&D of mononuclear & genetic. engineered cells for human therapy. Database creation and managt. Expertise in translation of basic research to FDA approv. clinical trials. Seek acad./indus. clinical research position. Prefer Pacific Coast.

**77C** Ph.D. candidate, 1996 anticipated, Molec./Cell Biol. Signal transduction, apoptosis; Tissue culture, DNA/RNA/plasmid isolation, molecular cloning, RT-PCR, Western blotting, immunofluorescence. Seek acad./gov. research position. Avail. Aug. 1996. Salary negotiable.

**78C** Ph.D., 1989, Pharmacol./Toxicol. Tissue culture, drug metabolism, HPLC, rodent skin tumor promotion, lipids metab., signal transduction, PKC, DNA probes. Northern/Western analyses, mammalian cell transfection. Postdoc: Toxicol, 2.5 yrs; Cancer res. 4 yrs. Seek acad./industrial research position. Avail. May 96. Salary negotiable.

**79C** Ph.D., 1966; M.Phil., 1969; Physiology/Biochemistry. Tissue culture experimental carcinogenesis. Hepatic and pancreatic cancer biology. Teaching and research 25 years; Northern/Southern/Western blots, immunology, DNA cloning, sequencing, antibody production. Protein chemistry. Availability open. New Orleans, LA. Academic/Industrial/Government. Salary open.

**80C** Ph.D. 1995. Molec. Biol./Immun. Tissue culture, immunol. analyses, Southern/Northern/Western/Southwestern blots, PCR, cloning, screening, mammalian gene expression. Oncogene, transcription factors, radiation. Seek acad./indus. research position. Avail. May 1996. Salary negotiable.

**81C** Ph.D., 1987, Microbiology; cell growth and senescence, chromosome/gene transfer, tumor suppressor genes, functional complementation, cytogenetics. *In situ* hybridization, screening of large insert libraries, cloning. Post-doc. 6 years; seeks acad./indus./government position. Available June 1996. Prefer eastern states. Salary negotiable.

**82C** Ph.D. UC Berkeley, 1992, Mol./Cell Biol. Expertise in growth factors, receptors, signal transduction. Tissue culture, molecular and immunological techniques including cloning, subtractive hybridization, PCR, Northern/RNA, immunoprecipitation, immunofluorescence, Western blotting. Yeast two-hy-

brid system. Postdoc 3 yrs., teaching award. Avail. Fall '96; West Coast preferred. Salary negotiable.

**83C** Ph.D., 1994, Biochem./Cancer Biology. Skin tumor, culture cell, DNA damage and repair analysis, DNA sequence, ligation-mediated PCR, Northern/Southern/Western blots, DNA probe, protein purification and characterization. Postdoc. 2 yrs.; teach. exp. 4 yrs. Seek acad./indus. position. Immediately avail. No geographic preference. Salary negotiable.

**84C** Ph.D. expected 1997. Biochem. & Molec. Biol. Molecular cloning, purification and characterization of recombinant proteins. Tissue culture and animal studies (cancer model) using recombinant proteins. Skills include: Molecular cloning, DNA sequencing, mutagenesis, microbiology techniques, insect cell culture and baculovirus techniques, biochemical purification, PAGE, Western/Northern blots, peptide synthesis, protein sequencing, amino acid analysis, HPLC, CD, UV/Vis spectroscopy. 3 years previous industrial experience in peptide chemistry. 2 years teaching experience. Seek Acad./Indus. postdoctoral research position. Avail. 1997.

**85C** MSBS, 1996, Biochem./Mol. Biology. Tissue culture, RNase protection assay, Northern/Southern/Western blot, RT-PCR, DNA sequencing, protein labeling, RNA/DNA probes, immunoprecipitations, cell surface labeling. Research Assoc. 2 yrs.; seek industry/gov't/acad. position. Avail. Aug. 1996. Prefer eastern states/New England. Salary negotiable.

**86C** Ph.D., 1988, Pharm/Tox; B.S. Pharmacy, 1984. Antineoplastic pharmacology; drug resistance; tissue culture; cytotoxicity assays; Northern/Southern/Western blotting; cDNA library const/ screening; *in situ* hybridization; PCR; *in vivo* models. Seek government or industry position. Salary negotiable.

**87C** Ph.D. 1995, Cell/Molec. Biology. Mutagenesis, eucary. and procary. gene expression, DNA/RNA analysis, cell culture, immunol. analysis, suppressor genes and oncogenes. Highly experienced. Seek acad./indus. research position. Immed. available. Prefer central N.J. loc.

**88C** Ph.D., 1986, Biochem./Molec./Cell. Biology. Tissue culture, growth factors, phosphorylation, molecular cloning, PCR, Northern/Southern/Western blots, DNA sequencing, two-hybrid system, differential display of mRNA, GST-fusion proteins, PI-3 kinase. Postdoc 3+1 years, senior staff—3 years. Seek acad./indus./gov. res. position. Avail. Aug.–Sept., 1996. Salary negotiable.

**89C** Ph.D. 1992, Cell Biol./Biochem. Tissue cult., histo- and immunocytochem., zymography, N/W blotting, PCR, immunoanalyses. Areas of res. incl. pharmacol. reversal multidrug resistance, ectoenzyme induction, cytogenesis, extracell. matrix remodeling. Postdoc. 3 yrs., TA 3 yrs. Seek acad./indus. res. pos. Avail April 1996. Prefer Boston-Worcester area. Sal. negotiable.

**90C** M.D., Ph.D. 1992, Mol. Cell Biol/Pharma. Gene therapy. Exp. in culture, cell transplantation, pharmacology of chemotherapy agents, *in vitro* & *in vivo* tumor models, basic protein/RNA/DNA techniques, expertise in gene delivery, recombinant adenoviral vector. Postdoc. 4 yrs. Seek indus./acad. faculty position. Salary negotiable.

**91C** Ph.D., 1991, Pharmacol./Cell Biology. Intact Animal and Isolated Organs. Immunol. Techniques, Scintigraphy, Flow Cytometry, Confocal/Fluorescence and Phase Contrast, Tissue and Cell Culture, Cell Matrix, MTT Assay. Northern/Southern and Western Assays, Gene Transfection, HPLC, Gel Chromatography and TLC, Immunocyto(histo)chemistry, ELISA, Membrane Preparations, Gel Shift Assay, Apoptosis, Nitrite and Cellular Oxidation Studies. Avail. June 1996. Salary negotiable.

**92C** Ph.D., June 1996 (antic.), Med. Chem./Biochem.; Med. Chem. exp. 5 yrs, Biochem. exp. 5 yrs, drug design & synthesis, computer modeling, NMR, IR, MS, UV, ESR, HPLC, FPLC, TLC, SDS-PAGE, ELISA, protein purification, enzyme & kinetic studies, cell culture, animal experiment, statistics & computer, molecular biology theory. Seek acad./indus. postdoc/res. position.

**94C** MSBS. ALAT, 1996. Pathology/Toxicology Biol.: Coordinating/Training Personnel and Equipment, Study Performance, Protocol and Report Preparation, Table Generation of Data, Pricing of Subchronic Studies, Scheduling Studies, Generation of Studies, Key Event Schedules, Computer Input, Print and Edit Capabilities, Technical and Animal Husbandry Functions, Proficient in Many Technical In-Life Functions. Vast Knowledge of OSHA, GLP, FDA, and EPA Guidelines. Laboratory Experience 10 Years. Seeks Study Director or Challenging Research Position with Opportunity for Professional Growth. Avail. July 1996. No Geographic Preference.

**96C** Highly motivated Ph.D., Summer 1996, Molec./Cell. Biology. Broad knowledge in tumor biology, neurobiology/physiology. Specific emphasis on growth factor mediated signal transduction and the role of receptor tyrosine kinase in cell proliferation/tumor promotion. Working with both *in vivo* and *in vitro* animal models. Excellent skills in protein isolation, electrophoresis, Western blot, immunoprecipitation for *in vivo* tissue samples and cell culture lysates, immunocomplex kinase assay/phosphatase assay, *in vivo* and *in vitro* phosphorylation assay using endogenous and exogenous substrates, primary tissue culture. Seek acad./indus./gov. postdoc. position. Avail. Sept. 1996.

**97C** Ph.D., 1992, Endocrinology, Mol/Cell biology. Independent Res. in molecular control of breast cancer invasion & metastasis. Exp. in *in vivo/in vitro* model for testing antimetastasis compounds, regulation of hormones, growth factors & eicosanoids on tumor growth & metastasis. Transit/stable transfection, DNA/RNA isolation, blotting, RT-PCR. Seek Acad/Indus. Res. position. Avail Fall 1996. Salary negotiable.

**98C** Ph.D., 1992, Cell/Molec. Biol.; TEM, SEM, DNA/RNA isol, cell culture, PCR, cDNA cloning, confocal microscopy, North/West analysis, immunocytochem., immunohistochem., RNase protection assay, ELISA, ECM, cytoskeleton, *in vitro* toxicology. Postdoc. 3.5 yrs. Teach. exp. 7.5 yrs. Seek acad./indus. research position. Avail. June 1996. Salary negotiable.

**99C** Ph.D., 1993, Cell. Biol.; primary cell culture: skin, liver, muscle, heart, pancreas; cell immobilization; three-dimensional culture, North/West. blots, poly/monoclonal antibodies, immunocytochem./electron microscopy, extracell. matrix. proteoglycans, cytoskeleton, integrins; Post. doc. 3 yrs. Seek acad./indus. research position. Avail immed. Salary negotiable.

**100C** Ph.D., 1988, Breast Cancer/Signal Transduction/Molec./Cell Biol.; Receptor ligand interaction, signaling pathways-JAK-STAT & ras-MAPK, RT-PCR, TA-Cloning and Sequencing, *in vitro* gene transfer, Protein purification, Northern/Southern/Western blots, ELISA, oncogenes. Postdoc. 7 yrs.; trained students at various levels, 7 yrs., Seek acad./indus. research/teaching position. Avail. July 1996.

**101C** Ph.D., expected in Aug. 1996. Toxicology/carcinogenesis/biochem., mouse skin tumor model, DNA adducts in epidermis, keratinocyte preparation and culture, enzymatic assay and kinetics, carcinogen metabolism, chemoprevention, HPLC & TLC, UV & fluorospectrophotometric assay, radioisotopes, Western blot, animal handling, natural product purification, pharmaceutical preparation & analysis. Pharmacist/senior research assist. 8 yrs. Seek acad./indus. postdoc. position. Avail. Sept. 1996. Prefer Illinois. Salary negotiable.

**102C** Ph.D. 1992 Toxicol/Cell Biol; Immunohistochemistry, Immunofluorescence, cell culture, stable/transient transfections, antibody purification, Northern/Southern/Western blots, tlc., h.p.l.c., n.m.r., antisense oligos *in vivo/in vitro*. Postdoc. 3 years. Seek acad./indust. research position. Salary negotiable.

**103C** Ph.D., 1996, Molec./Cell. Carcinogenesis; Population studies; tissue culture, micronuclei, DNA damage/repair assays, South. blots, DNA/protein isolation/purification, plasmid reconstitution, bacterial transformation assays, cancer imaging, <sup>32</sup>P-postlabeling. Ph.D. dissertation in inflammation & cancer. 5 yrs. teaching experience; Avail. April 1996. No geographic preference. Salary negotiable.

**104C** Ph.D., 1979, Histology/Embryology; 1991, Oncology. Light and electron microscopy, immunohistochemistry, *in situ* end labeling of DNA strand breaks, cytological diagnosis of human tumors, immunophenotyping of leukemic cells, autoradiographic analysis of proliferation. Postdoc. 6 years. Teach. exp. 2 years. Seek acad./indus./gov. res./fac. position. Available June 1996. Salary negotiable.

**105C** Ph.D. candidate. Molec./Cell. Biol.: Tissue culture, Northern, Southern, Western blots. DNA, RNA probes, Immunoprecipitation, Immunohistochemistry, PCR, transformation and transfection. Seek indus., academic or government postdoc. position. Avail. Feb. 1997. Location and salary flexible.

**107C** Ph.D. w/extensive preclinical pharmaceutical drug development experience. *In vivo, in vitro* studies in experimental cancer chemotherapy, antimicrobial and antiparasitic agents. Animal model specialist. Inst. anim. care and use, biosafety committees. Seeks indus./res. position.

**108C** Ph.D. 1988, Biochem.; Metabolism: organismal to subcellular melanoma, breast can., carcinogen met. & DNA adduct form.; AA; HPLC; EM; RIA; Immunocytochem.; Northern, Western & Southern blot, Enzymes. Heart for research w/application potential. Classroom experience. Desire position in academia, industry, or research.

**110C** Ph.D., 1996/97, Pharmaceuticals; Image analysis (incl. programming), immunohistochemistry, histology, cell culture, statistical analysis using SAS. 1 yr teach. exp. Seek acad./indus. postdoc position; teaching resp. a bonus. Avail. March 1997. Salary negotiable.

**111C** Ph.D., 1994, Molec./Cell. Biology: Steroid hormone receptors, retinoic acid, insulin, Ah Receptor, TCDD, Differential display, *in vitro* transcription, PCR, cell transfection, nuclear run-on analysis, Northern/Southern/Western blotting, cell culture. Seek indus./acad. research position. Avail. July 1996. San Diego, CA area.

**112C** M.D. 1987, China. Specialty in Pediatrics. Ph.D. 1997. Molecular/Cellular Biology; tissue and cell culture, DNA transfection/transformation. Northern/Southern/Western blots. PCR, DNA and RNA isolation. Sequencing SSCP. Southern-Western gel motility, shift assay, oncogenes activation & tumor suppressor genes inactivation. Seek academic/industrial research position. Avail. Aug. 1997. Salary negotiable.

**113C** Ph.D., 1991, Molec./Cell Biol.; tissue culture (establishing prostate mammary lines), transgenic mice (especially as cancer models), basic immunotherapy and vaccinations, ES cells, molecular biology, transcription factors/oncogenes. Postdoc. 4 yrs. Teach exp. 2 yrs. Seek indus. research position or teaching college with some research. Avail. Feb. 1997. Prefer coastal states (East or West). Salary negotiable.

**114C** Ph.D., Fall 1996, Pharmacology; Drug Development, Tissue Culture, Confocal/Fluorescence Microscopy, Western Blots, Immunocytochemistry, Cell Proliferation Assays, Radioimmunoassay. Teaching exp. 1+ yrs., Seek acad./postdoc. research position; avail. Fall 1996. No geographic preference.

**115C** Ph.D. 1993, Molec./Cell. Biol./Biochem: Cell culture, Western and Northern blots, ELISA, transfection, gene expression (bacteria and baculovirus), protein purification, TA cloning and DNA sequencing, growth factor receptors, signal transduction—ras-MAPK pathway. Postdoc. 3 yrs. Seek Postdoc./Research position in Canada. Avail. Oct. 1996.

**116C** M.D., 1990, Molecular biology, Tissue culture, Immunol. Pharmacology, Anticancer drug, tumor suppressor gene, signal transduction, gene expression, protein purification, ELISA, HPLC. Postdoc. 3 yrs., Supervisory exp. Seek acad./indus. research position. Avail. now. Prefer East coast. Salary negotiable.

**117C** M.D. 1979/Ph.D. 1990; Cell Biol; Cell/Tissue culture; Gene Transfer/Gene therapy; Angiogenesis; Northern/Southern/Western blots, Immunol. Analyses. Postdoc. 5 yrs., Teach. exp. 17 yrs. Seek acad/indus. research position/faculty. Avail. July 1996. No geographic preference. Salary negotiable.

**118C** M.D., 1983, Cell. Biol.; Tissue/Cell culture, Blotting, Oncogenes, Immunol. analyses, Exper. Thera.; MTT, Drug resistance, *in vivo*, Clin. Invest.; Ovarian/Corpus cancer, Clinical trials, Teach. exp. 5 yrs. Seek acad./govern. research position. Avail. April 1997. Prefer Pacific/Southeastern states. Salary negotiable.

**119C** Ph.D., 1989, Genetic toxicologist/Biochemist/Molecular Epidemiologist; <sup>32</sup>P-Postlabeling of DNA-adducts, Comet assay, Hepatocyte perfusion,

PCR of genetic polymorphisms. Ph.D. supervisor/teaching experience. Postdoc. 6 years. Seek acad./indust. research position, tenure or tenure-track.

**120C** Ph.D., 1990, Molec./Cancer Biol.; SSCP, dideoxyfingerprinting, sequencing, genotype analysis, site specific mutagenesis, gene cloning, library screening, Northern/Southern/Western blots, transferase/decarboxylase enzyme activity assays, tissue culture, anchorage independence assays, drug resistant selection, drug efflux study. Postdoc. 5 yrs. Seek acad./gov. res. position. Avail. July 1997; Visa Type: PR. Salary negotiable.

**121C** Ph.D., expected 6/96, Exptl. Pathol.; Tissue cult. invasion/metastasis assays, Southern/Northern/Western blots, zymography, PCR, metabolic labeling, GAG analysis, matrix extraction, animal surgery. M.S. & B.S. in Engineering & 6 yrs. exp. in Med. Device Industry. Seek acad./indus. post-doc. position. Avail. 6/96. Prefer western states.

**122C** Ph.D. Dec. 1996 (expected). Molec. Biol./Genet.; Paraffin section microdissect., microsatellite analysis of genomic DNA, tumor suppressor genes, PCR, DNA sequencing, protein purification, Southern/Western blots, recombinant DNA technology, immunological assays, animal exp., tissue culture, bacteria/fungi growth, tumor histopathology, electron microscopy.

**123C** Ph.D., 1989, Molec./Cell Biol./Biochem.; Conduct independent research on transcript. and posttranscript. regulation of gene expression by polyamines and related anticancer drugs; Mutations affecting RNA-processing, stability and translation; Effects of anticancer drugs on polyamine homeostasis and cell growth; Antisense research. Methods: DNA and RNA transfection in mammalian cells, In vitro transcript., transl., site-directed mutagenesis, differential displ., CAT and LUC assays. Nucl. run-on, Primer extens., PCR, RT-PCR, Northern/Western/Southern, enzyme assays. Postdoc. (3 yrs), Cancer Research Scien. I. (3 yrs), teach. exp. (2 yrs). Seek Asst. Prof. (acad.) or Senior Res. (indus.) position. Avail. August 1996. Salary negotiable.

**124C** Ph.D., 1985, Protein Biochem./Cell Biol./Mol. Pharm.; purify nature products, proteins & peptides, drug development and mechanism study, cell culture, cell cycle analysis, cytotoxicity, kinetic study, immunol. analysis. HPLC, TLC, FACs, ELISA, Western blots, bio assay, indirect immunofluorescence. 10 yrs exp. Seek acad./indus. research position. Salary negotiable.

**125C** Ph.D., Nov. 1996, Molec. Genet./Carcinog.; Library screening (mouse lung cDNA), direct-sequencing of phage/plasmid DNA and PCR-products, Northern/Southern/Western blots, SSCP/ddF, DNA probes. DNA isolation from frozen/paraffin embedded tissue and phage/plasmid, RNA isolation, RT-PCR, genomically typing/mapping/linkage analysis (mouse). Seek acad./indus. research position. Avail. Nov. 1996. Salary negotiable.

**126C** M.D., 1985, Pathology. Postdoctoral fellow, 1993, Cellular Biology/Genetics. Senior Postdoctoral manager, present. Gene therapy, Animal model, Histology, Immunostaining, Tissue culture, *in situ* PCR, FISH, Vector construction, Large scale viral production, cGMP.

**127C** Ph.D. (July 1996), Biochemistry; DNA Repair and Apoptosis, Immunoassays, Southern/Western blots, PCR, tissue culture. Seek acad. post-doc in the area of cell cycle, apoptosis or carcinogenesis research. Prefer west/east coast and southwest. Avail. Aug. '96. Salary negotiable.

**128C** M.D. Molec./Biol; DNA Cloning, Sequencing, Northern/Southern/Western Blots, DNA Probes, Isolation/Purification RNA, cDNA Synthesis, PCR, Protein Gradient Purification, Protein SDS-PAGE, Cell Culture, Transferring Gene to Cells, Tissue Section/Staining, Some Animal Model/Surgery. Lab Exp. 8 yrs. Seek Postdoctoral/Research Associate Position.

**129C** Ph.D., 1993, Biochem./Molec. Biol.; Seeks industry research position in target identification/validation within multidisciplinary team; Skills: protein purification, high-throughput screening, site-directed mutagenesis, RT-PCR, cDNA libraries, protein-protein and protein-RNA interactions, tissue culture, multidrug resistance; Post-doc 3 yrs, strong chemistry background.

**130C** Ph.D., 1997, Molecular Biology and Pharmacology. Thesis research involves regulation of expression of the *mc1-1* gene (a *bcl-2* family member); gene regulation, recombinant DNA, transient transfection, site-directed mutagenesis, cell culture, cell differentiation, Western/Southern blots, PCR. Seek post-doc position in field of molecular events involved in hematopoiesis and/or cell differentiation.

**131C** Ph.D. 1996, Molecular Biology & Genetics. Thesis research involves the cloning of a gene involved in apoptosis and studying its regulation. Experienced in cell culture, transfection, Northern/Southern/Western analysis, library screening, PCR, recombinant DNA techniques, protein purification, flow cytometry, and cytogenetic techniques and analysis. Seeks postdoctoral training using transgenic/knockout strategies to study oncogenes and/or tumor suppressor genes.

**132C** Ph.D. expected Spring 1997, Mol./Cell. Biol.; Tissue culture, flow cytometry, RT-PCR, solution hybridization, mobility shift assay, Northern/Western blots, DNA sequencing, plasmid cloning, small animal surgery, several cell death (apoptosis) assays. Seek acad./gov./indus. postdoc. position. Avail. Spring 1997. Salary negotiable.

**133C** Ph.D. 1972. Publications, Invit. Reviews and NIH/foundation support history for genet. investig. Hum. Tumor Ass. Ags., Tum. Immunother., CAMs/Lympho. Activ., Melano. Diff., NeuroImmuno. 3 yr. Grad Dept Chair-equivit+grad sch exec. 10\* yr lecture exp/Grad.+Prof. stud. in molec. genet., neurophys., immunol. Res. mentor+exam./Ph.D., Prof., Undergrad., HS students. Indust. consult. and Sci. Journalism exp. Seek acad./indus/govt. res/res+teach. posit. Location/Salary Negotiable.

**134C** Ph.D., 1994, Mol. Biol.; genetic disease, somatic mutation; cDNA cloning; gene transfection/expression-drug effect; transcription regulation-PKC/TPA/JUN; cell culture; PCR; DNA/RNA/protein isol. anal.; DNA sequencing; GDB/Internet; genomic typing; fluorescent label/Gene Scanner anal.; FISH. Avail. July 1996; postdoct./research.

**135C** Ph.D., 1986, Animal Sci./Cell Biology. Cell cycle, growth factor and hormone signal transduction, drug discovery, tissue culture, flow cytometry, enzyme assays, PCR, Northern/Western blots, antibody production, immunocytochemistry, animal surgery. Postdoc. 5 yrs., Teach. exp. 7 yrs. Seek faculty/indus. research position. Avail. immediately. Salary negotiable.

**136C** Ph.D., 1992, Pharmacology; Enzyme purification/characterization, drug-receptor interactions, structure-activity relationships, high throughput screening, assay development. Postdoc. 4 yrs., Molec. Cell Biol.; Oncogenes/signal trans., prok./euk. protein expression, protein-protein interactions (2-hybrid, *in vitro*), domain mapping. Seek acad./indus. research position. Available July 1996.

**137C** Ph.D., 1987, Molec./Cell. Biol., Protein Biochem. Primary cell/tissue culture, recomb. protein expression, molecular cloning, DNA/RNA/Protein analysis, protein purification & characterization, *in situ* hybrid., immunohistochem. tech., TUNEL, protein phosphorylation, apoptosis, cell cycling, signal transduction, cancer & aging. Seek indus./academic research position. Avail mid-May/June 1996. Salary negotiable.

**138C** Ph.D., 1986, Biochem.; Seek a tenure-track position at the Assistant Professor level. Capacity for independent, fundable, basic and translational research. Investigated signaling pathways involved in the regulation of cell growth, differentiation, and cell death. Main interest in reproductive biology and breast cancer, specifically in the following areas: a) to develop new therapeutic approaches for the treatment of breast cancer, b) *in vitro* and *in vivo* (including transgenic/knockout) models, c) adhesion mediated gene regulation.

**139C** D.V.M., 1981; M.S. (Vet. Path.), 1986; M.S. (Vet. Phys.), Ph.D., 1994. Molec./Cell Biol.; Toxicol./Pharmacology; Carcinogenesis/Chemotherapeutic Effectiveness Assessment; Anatomical & Surgical Pathology; Animal Surgery; 2 yrs. PostD. Analytical Chemistry, HPLC, GC, AA, RIA, FACS, EM; 2 years Corporate Exp. Avail. Summer 1996. Salary negotiable, N/P city.

**140C** Ph.D., 1987, Synthetic Org. Chem.; Organometallic skills: Schlenkware, vacuum line techniques, spectroscopic (NMR, IR, UV); also, experience in immunoconjugate chemistry, radiolabeling of MAbs, HPLC, electrophoresis, kinetic studies of enzyme electron transfer via Nd: YAG laser flash spectrophotometry, cell culture, R & D in gene transfection; Papers, patent, Post Doc. 1.5 yrs., basic res. Rad. Oncology, ca. 5 yrs., basic res. Biochemistry ca. 2.5 yrs. Seek industrial R & D or acad./gov. basic res. pos.

**141C** Ph.D., 1994, Johns Hopkins. Current post-doc with Rudy Juliano, UNC-Chapel Hill. Experience, Biochemistry/Cell Biology/Pharmacology, *Oligonucleotides and Analogues*, Triplex/Antisense, tumor biology. Fluorescence Microscopy (*Confocal*), Pharmacokinetics/Metabolism, *HPLC*. Seek indus./acad. position. Avail 8-9/96. Prefer Bay Area/Michigan/Upstate NY.

**144C** Ph.D. (1984), Sci.D. (1992), Biophysics; experience in molecular and cellular tumor immunology, mathematical biology, med./bio. statistics, neuron computing for clinical immunology and oncology, immunological cell assays, tissue culture, animal models, cytotoxic cell assay, natural killer cells, CTL, cytokine (IL-2, IL-4, IL-13) receptors on the tumor and immune cells, ligand-receptor interactions, radiobinding and internalization assays, crosslinking assay, immunofluorescence, analysis of flow cytometry data, immune status assay, pattern recognition for individual diagnostics and prognosis of the patients with cancer; expert in the mathematical and theoretical immunology of cancer; two books; PI of several national and international research grants; 5 years teaching experience. Seek acad./indus. research position. Available September 1996.

**145C** Ph.D. 1990, Molecular Biology/Immunology. Five years postdoctoral experience in cancer vaccines and antibody engineering. Seek industry/government research position. Available 6/1/96. Salary negotiable.

**146C** Ph.D., 1985, Mol./Cell Biol. Gene transfer and expression, cDNA libraries, genomic cloning, differential display for site directed mutagenesis, antisense, diverse techniques. Currently funded; hold patents. Seeking research position in Industry/Faculty position. Immediately available.

**147C** M.D., 1977. Transformation by transcription factors. Chromosomal translocations. Genomic/cDNA cloning, RT-PCR, sequencing, Northern/Southern/Western blots, gel retardation assay, recombinant retrovirus construction, cell culture, transfection. Clinical oncology 10 yrs., teaching 5 yrs. Available July 1996. Prefer Pacific Coast. Salary negotiable.

**148C** Ph.D. 1995. Pharmaceuticals. Tissue culture, flow cytometry, fluorescence spectroscopy, HPLC, Northern/Southern/Western, PCR/RT-PCR, protein purification, liposome technique, computer. Industry exp. 2 yrs. Teach. exp. 1 year. Seek acad./indus. research position. Prefer MD or Washington, DC area. Salary negotiable.

**149C** Physician medical Heme-Onc seeking Molecular Biology position for translational research. Interested in lymphoma/retroviral studies and studies in hereditary melanoma research with ongoing projects with some funding and other grants pending. Available Sept. 1996. Prefer mid-Atlantic states.

**151C** Ph.D. expected Dec. 1996, Cell Biol.; protein purification; RNA isolation, Western/Northern blotting; frozen tissue sectioning; immunohistochem./immunocytochem.; tissue/cell culture; video microscopy. Seek post-doc. position. Prefer Northeastern, mid-Atlantic states. Salary negotiable.

**152C** Ph.D., 1984, MBA, Molec. Biol./Virol./Immunol. Seek position in industry. Experienced in biotech startups or large comp. environment. Skills: research, business, or regulatory affairs management. Many publ., patents, awards, and products to commercializations.

**154C** Ph.D., 1989, Biochemistry/Molecular Biology, protein expression using baculovirus, vaccinia, and bacterial systems. Membrane and soluble protein purification, protein phosphorylation, Protein-protein and protein-DNA interactions. Multidrug resistance, cell-cycle control, tumor suppressor proteins, gene therapy. Postdoc. 7 yrs. Seeks ind./govt. position. Avail. August 1996.

**155C** Ph.D. expected Sept. 1996, Molec./Cell Biol. Tissue culture, tumor invasion and metastasis, gelatinase activation, zymography, Northern/Southern/Western blots, PCR/*in situ* RT-PCR, recombinant constructs, fusion protein, gel retardation, DNA se-

quencing, immunofluorescent assay. M.S. in toxicology, 1994. Seek acad./indus./gov't. research position. Avail. Sept. 1996. Salary negotiable.

**156C** Ph.D., 1986, Biochem./Mol. Biol./Cell Biol.; Protein purification, characterization and expression; cloning, sequencing, mutagenesis, immunol. analyses, transfections, cell culture, animal studies. Knowledge of redox chem., cancer biol., iron metab. and cell signaling. Postdoc 4+ years. Seek acad./indus. research position. Avail. immed. Prefer SE, NE, or CA. Salary negotiable.

**157C** M.D.; Ph.D. expected, 1996; Tumor Immunology/Molec. Cell Biol. Tissue culture, Northern/Southern/Western blots, *in vivo* studies, subcloning, eukaryotic and prokaryotic protein expression. Seek acad./indus. research position. Avail. July 1996; prefer East Coast. Salary negotiable.

**158C** Ph.D., 1994, Mol./Cell Biol. Tissue culture, metastasis assays (*in vivo*, *in vitro*), signal transduction, heat shock proteins, estrogen receptor, Western blot, PCR, DDPCR, Breast cancer.

**159C** Ph.D., 1988, Exp. Path./Rad. Biology. Tissue culture, tumor animal models, drug resistance, tumor microenvironment, hypoxia, stress proteins, blood-brain barrier, chemosensitivity assays, drug uptake. Molecular: Southern/Westerns, Immunol. assay, enzyme assay. Seek acad./indus. research position. Avail. Aug. 1996. Prefer NC or Northeast.

**160C** Ph.D., 1990, Molecular Pharmacology, Molecular Modulation of Gene Expression/Transcript. Post-transcript. mechanisms, RNA-binding proteins, Ribozymes, Northern/Southern/Western blots, SI, tumors, RNA-metabolism. Postdoc. 5 yrs, Teach exp. Seek acad./indus. research position. Avail. May 1996. Prefer Northern IL region. Salary negotiable.

**161C** Ph.D. expected, Summer 1996, Biochemistry. Tissue culture, animal study, enzymology, protein purification. Oxidative stress. GC, HPLC, Lipid study. Toxicology study. Seek acad./indus. research position. Avail. Sept. 1996; salary negotiable.

**163C** Ph.D., 1996, Nutrition/Carcinogenesis; Small animal research, tissue culture (primary/cell lines); lipid metabolism (TLC/HPLC); biochemical assays; RIA/EIA; Northern/Western blots. Seek post-doc/lab manager position. Available June 1996.

**164C** Ph.D. 1996, Env. Tox and Molec./Cell Biol.; Animal Tumor Model; tissue culture; cloning; Southern/Northern/Western blots; oncogenes; retrovirus vector; genetics. Seek acad./indus. research position. Avail. Aug. 1996. Prefer Boston area, nearby MA.

**165C** Ph.D. expected August 1997, Molec./Cell Biol. Tissue culture, DNA/RNA/protein blotting techniques. DNA protein interactions (EMSA, Southern/Western blots), library screening, anoxia-related research, teaching exp. Seek post-doc position. Avail. Sept. 97.

**166C** Ph.D. 1994, Pharmacology: Mechanisms & modulation of alkylating agent resistance; DNA adduct formation & repair, host cell reactivation; retroviral gene transfer; xenograft animal model; Northern, Southern, Western blot, immunoprecipitation, DNase protection analysis; tissue culture, 1° bone marrow & cell lines. Post-doc. 2 yrs., NRSA. Seek acad./gov't. or indus. position. Avail. Jan 1997. Prefer Texas.

**167C** Ph.D., 1991, Molec./Cell Biol.; Tissue culture, recombinant DNA techniques, biochemical & immunol. analyses, *in situ* hybridization, gene regulation, protein purification, study of protein-DNA interaction, gene regulation, cell cycle, etc. Postdoc. 3 yrs., teach. exp. 3 yrs. Seek acad./indus./gov't. position. Salary negotiable.

**168C** Ph.D., 1982, Medicinal chem./Molecular pharmacol./Cancer research. Multidrug resistance, apoptosis, drug-DNA interactions, chemical carcinogenesis, cell culture, mol. biological methods such as Northern/Southern/Western blots, cloning, RT-PCR, immunoprecipitation, gene expression, DNA sequencing, HPLC, synthesis, isolation and structure of organic compounds. Many yrs. of res. exp. Seek ind./acad. res. pos. Avail. now.

**169C** Ph.D. 1996, Molecular Biology. Experience in the study of nuclear signaling pathways (AP1 & Retinoic Acid Receptors). Well trained in molecular biology tech. Wish to translate the experience and expertise in an equally productive environment in industry or academia. Willing to relocate anywhere in the US for a challenging position.

**170C** Ph.D., 1996, Pharmacokinetics; Pre-clinical and clinical studies, small animal surgery techniques, HPLC, data analysis and statistical analysis. Extensive computer experience. Teaching experience 3 yrs. Research asst. 3 yrs. Seek industry/government position. Available July 1996. No geographical preference. Salary negotiable.

**171C** Ph.D. candidate, 1996. Pharmaceutics/Pharmaceutical chemistry, pharmacokinetics/pharmacodynamics, drug delivery, anticancer drug, HPLC, tissue/cell culture, immunoassay, computer modeling. Teach. exp. 1 yr. Seek acad./indus. position. Avail. June 1996. Salary negotiable.

**172C** Ph.D. expected 1996. Pharmaceutics. PK/PD. Tissue culture, cancer chemotherapy, anticancer and antiAIDS drug delivery. Cell cycle kinetics, DNA apoptosis detection assay (TdT), Brdu pulse labeling technique. Flow cytometry, PK/PD modeling, HPLC analyses, SRB assay. Drug penetration in bladder wall. M.S. in Chemical Eng. M.S. in Analytic. Chem.; teach. exp. 3 yrs. Seek acad./indus. research position. Avail. Dec. 1996. Salary negotiable.

**173C** Ph.D., 1996, Molec./Cell Biol. & Biochem. Tissue culture, gene expression, Northern/Western blots, RNase protection assay. Immunoprecipitation. DNA cloning, PCR and sequencing; promoter activity assays, receptor crosslinking, mitogenesis assay, cell adhesion and anchorage-independent growth assay. Cell matrix and surface receptors. Seek acad./indus. research position. Prefer Chicago, IL.

**174C** Ph.D. 1996, Molec./Cell Biol.; Growth factors & receptor (IGF-1 etc). Tissue culture, Northern/Southern/Western blots. Schachard plot. Gene therapy. Immunol. analyses. Surgeon 8 yrs. Seek indus./acad. research position. Avail. Sept. 1996. Prefer New York City area.

**175C** Ph.D., expected Aug. 1996, Biochem./Mol. Biology. Tissue culture, Northern/Southern/Western blots/RT-PCR, cloning of vectors, gel-shift analysis, use of computers in data preparation & presentation. Graduate Assistant. Seek acad./indus./gov't. research position. Avail. Sept. 1996. Anywhere in U.S. Salary negotiable.

**176C** Ph.D., 1990, Biochemistry; Background in drug resistance & drug discovery. Experienced in many analytical techniques (MSpec, CE, HPLC, etc.), general mol. biol. (PCR, cloning, sequencing, N/S/W blots, gel retard., cell cult., transfection) and most exp. in prot. chem. (enzymol., kinetics, recomb. exp., site mutagenesis, purification, post-trans. modif.). Supervisory & teaching exp. at several institutes. Good communication skills and publication record. Seek acad./indus. pos. Avail. late 1996. Salary negotiable.

**177C** Ph.D., 1989, Biochemistry/cell Biology. Tissue culture, animal work, Facs analysis, invasion and colony forming assays, purification of proteins, immunocytochemistry, enzyme assays, RT-PCR, DNA isolations and transfections. Post-Doc 6 yrs. Seek acad./industry position. Available July 1996. Salary negotiable.

**178C** Ph.D., 1984, Mol. Pharm./Tox.-Tissue culture, receptor biology, protein hem.-immunopptn., Western blots, purification, permeabilization tech's. Mol. Biology-Northern/Southern blots, plasmid biology, genomic construction and cloning. Postdoc 2 yrs.; teaching exp. 1 yr. Seek indus./gov't. position 1996-97.

**179C** Ph.D., 1993, Pharmacology/Experimental Therapeutics; 3 yrs. Post-doc. experience in novel tumor agents and induction of programmed cell death in solid tumors of the breast, prostate, and lung. Tissue culture, drug sensitivity assays, Northern/Western blots, DNA & RNA isolation, quantitative and qualitative assays of DNA fragmentation, apoptosis assays, enzyme activity assays. Seek academic/govt. research position. Available September 1996. Prefer Baltimore, Washington, DC, or surrounding areas.

**180C** Ph.D., 1990, Biochem.; enzyme kinetics; protein-ligand association; ELISA; mol. biol. incl. cloning and expression, PCR and RT-PCR, sequencing; high-throughput assays and screens; immunochemistry. 3½ yrs. postdoc, 2½ yrs. scientist in biotech ind. Seek ind. res. position. Avail. now. Prefer NW/Bay Area.

**182C** Ph.D., 1992; Biochemistry, Endocrinology, endocrine cancers, molecular biology techniques (cloning, Northern, Southern, Western blots, heat shock proteins *in vivo*). All molecular biology techniques, cell culture, CAT & luciferase assay, drug binding studies. Experience: 3½ years. Seek research position. Available July 1996.

**183C** Ph.D. 1991, MR spectroscopy, biochemistry. Post-doc 3 yrs. Experience with *in vivo* NMR & apoptosis assays. Seek acad./indus. research position. Willing to relocate. Salary negotiable.

**185C** Ph.D. December 1989. Three years industrial experience, more than three years postdoc. experience in angiogenesis, pharmacokinetics, mechanisms of drug action using immunohistochemistry, tumor biology experience. More than ten years experience in drug evaluation, cell and tissue culture. Developed test assays, clinical trial experience. Will relocate; salary negotiable; available now.

**186C** M.D. 1988, M.S. 1982. Cellular, Molecular Pharmacology and Toxicology. Tissue & cell culture; animal experiments; DNA adduct; estrogen metabolism; hormonal, chemical carcinogenesis. Human breast cancer study: etiological factors, p53 mutation; immunochemistry assay; FISH and chemoprevention; mutagen sensitivity assay and biochemistry; mechanism study of aromatic compound; estrogens; retinoic acid.

**187C** Ph.D. 1981, Oncology. Cell Biol., Tissue culture, Growth factor receptors. Northern/Southern/Western blots, PAAG, 2-D gels, immunol. analyses, phosphorylation proteins. Seek acad./indus. research position. Avail. immediately. Prefer Westchester Cnty. NY.

**189C** Ph.D. 1983, seeks academic position in Central New Jersey, New York, Phila. Exper. in Molec. Biol., mouse genetics, cell biol. Independent position preferred.

**190C** Ph.D. 1993. Biochemistry, cancer research, molecular biol., cell culture. Mammalian gene expression & analyses, transcription factors, growth control mechanisms, tumor suppressors. 2½ yr. post-doc. Also interested in mechanism-based drug design, gene and protein therapy, signal transduction-based drug targeting.

**191C** Ph.D. Tumor Cell Biology, Northwestern Univ. 1993. 5 years postdoc experience in breast cancer, receptors & transcription factors. Trained in molecular biology (cloning/PCR), cell culture techniques, & immunohistochemistry. Interested in scientist/research assoc. position in Maryland (1996) or midwest (1997). Salary negotiable.

**192C** Ph.D., expected May 1996, Carcinogenesis, Molec./Cell Biol. Carcinogenesis bioassay, PCR, Tissue culture, Northern/Southern/Western blots, immunohistochemistry. DNA and RNA isolation, short-term mutagenesis bioassay (Micronucleus assay). Seek acad./indus. research position. Avail. June 1996.

**193C** Ph.D. 1973. Biochemistry, Biochemical Pharmacology, Energy metabolism, Drug metabolism, Tissue culture, Northern/Southern/Western blots, HPLC, mitochondrial function: tissue and cell culture. Seek acad./indus./gov't. position. Avail. ASAP-pref. July 1, 1996. No geographic limitations. Salary \$35,000.

**194C** Ph.D. 1989 in Molecular Virology. Main focus: retroviral pathogenesis. Extensive training in oncogenes, retroviruses, tissue/virus culture, molecular biology: cloning, No./So./Western blotting, RT-PCR, hematopoietic assays, SDS-PAGE, signal transduction, DNA/protein interaction by ELISA and transient transcription assays. Available May 1996; salary negotiable. Seek research position in ind./acad.

**196C** Ph.D., 1994, Mol./Cell Biol., Biochem. Tissue culture, adenoviral infection, gene transfer, cell cycle studies, DNA/RNA studies, Southern/Northern/Western blots, antisense techniques, expression vectors, PCR, RT-PCR sequencing, SSCP, in-gel kinase assays, metabolic labeling, etc. Seek industry position; avail. immediately.

**198C** Ph.D. 1993, Immunology; Tumor cell biology animal models of tumor progression and immunotherapy, hematopoiesis, inflammation, angiogenesis, cell culture, bioreactor, monoclonal antibodies/conjugates, cell adhesion and migration. Seek industrial position. Available June 1996. Salary negotiable.

**200C** Ph.D. expected from the Pharmacology and Experimental Therapeutics Program at the Univer-

sity of Maryland School of Medicine. Projects pursued include: (1) effects of the antineoplastic drug ARA-C upon incorporation into DNA during replication; (2) isolation and further characterization of a multiprotein complex (and its components) from human cells which is required for DNA replication *in vitro*; (3) studies aimed at determining the function of several human cell DNA helicases within the structure of the human cell multiprotein replication complex; (4) identification of DNA replication, repair, and cell cycle regulatory proteins and their phosphorylation states via 2D gel analysis. Interests are primarily in protein chemistry and molecular carcinogenesis.

**201C** Ph.D., 1993, Biochem.; Carcinogen metabolism, Biomarkers, Genetic susceptibility, Northern/Southern/Western blots, PCR-RFLP, Biochemical assays; DNA Adducts, tissue culture, genomic DNA, RNA isolat. Postdoc 3 yrs., seek acad./indus./gov. research/administrative position. Available Aug. 1996. Salary negotiable.

**202C** Ph.D., 1993, Molec./Cell. Biol., Tissue culture, hormone receptors, CP9 island methylation, Northern/Southern/Western blots, immunofluorescence, transfections, PCR, RT-PCR, liposomes: spectrophotometric & fluorometric techniques. Seek acad./indus./gov't. research position. Avail. Fall 1996/Winter 1997. Prefer East Coast.

**203C** Ph.D. 1991, Molec. Biology, Radiol., Immunol. DNA repair, V(D)J recombination, signal transduction. Postdoc. 3 yrs. Seek acad. faculty position. Avail. immediately. Salary negotiable.

**205C** Ph.D. candidate, 1996. Molec. Biol./Pharmacology; Tissue culture, Northern/Southern/Western blots, DNA probes, immunol. analyses, PCR, sequencing. Seek acad./indus. postdoc. position. Avail. Dec. 1996. No geographic preference. Salary negotiable.

**206C** Ph.D. 1994, Mol. Biol. cDNA cloning; PCR; DNA sequencing; DNA subcloning; DNA transformation; cell cloning; flow cytometry; column chromatog.; HPLC, prep Ab; elect microsc. Research, teaching 14 yrs. Avail immediately. Seek Scientist, Assistant Professor pos.; salary negotiable.

**207C** Dr.PH (Candidate). Carcinogenesis: Exp.: Tissue culture, Southern/Western Blots, Immuno. assay, some Mol. Biology, expression studies. Research Asst. 10 yrs. Teaching Asst. Seek govern./acad./indus. research or consulting position. Avail Aug. 1996. Prefer RTP area in NC. Salary negotiable.

**209C** Ph.D. 1990, Cell/Molec. Biol. Gene expression, genomic cloning, RNA analysis, inflammation, signal transduction, bacterial toxins. Cell culture, all DNA/RNA manipulations, gel shifts, differential display, others. Postdoc 5 yrs. Prefer industry. Available immediately. Prefer New England states. Excellent English and French. Salary negotiable. Prefer responsible, indep. position.

**210C** Ph.D. in Cancer Biology (anticipated Dec. 1996); steroid hormone action, signal transduction. Extensive experience in mammalian cell culture techniques, basic molecular techniques (i.e., PCR, Northern blotting, molecular cloning), Western blotting, protein purification, and animal model experiment. Seek post-doc. position in cancer research. Avail. Dec. 1996.

**211C** M.D. 1984. Master of Biology, 1988. Tissue culture; transfection; Southern/Northern/Western blots; cDNA library screening; DNA sequence and analysis; PCR; RT-PCR; transgenic mice; *in situ*; Primer-extension; differential display; hybrid-select; *in vitro* transcription and translation. Postdoc. 4½ yrs. Seek acad. research position. Avail. immediately. U.S.A.

**212C** Ph.D., 1976, Biochemistry/Cell. Molec. Biology/Prevention/Carcinogenesis. Growth factors, retinoids/steroids/Vit. D., cancer prevention, biomarkers, animal studies, tissue culture, protein purification and cancer chemoprevention. Experience: 11 years at National Cancer Institute, NIH and 4 years in industry. Seek academic, government, or industry research position.

**214C** Ph.D., 1989, Molec. Biol. and Biochemistry. cDNA and genomic DNA library construction, cDNA cloning, library screening, DNA cloning, DNA seq., PCR, molecular hybridization, RNA purification, site-specific mutagenesis, protein and peptide purification, HPLC, FPLC, protein electrophoresis, protein amino acid sequence, tissue/cell. culture, bacteria genetic tech. Postdoc. 4 yrs. Teach exp. 2 yrs. Seek acad./indus./gov't. research position. Avail. July 1996. Prefer Maryland and Washington, D.C. Salary negotiable.

**215C** Ph.D. 1990. Biochem/Pharmacology. Tissue culture, protein purification, molecular cloning. Postdoc. 5 years, teach exp. 2 yrs. Seek acad./indus. position. Available July 1996.

**216C** Ph.D., 1988, Molec./Cell Biology. Tissue culture, RNase protection, Northern/Southern/Western blots, RNA/DNA probes, multidrug resistance, animal nutrition, endocrinol. Postdoc. 3 yrs., Fellow 5 yrs. Seek acad./gov. research/indus./management/regulatory position. Prefer mid-Atlantic or midwestern states. Salary negotiable.

**218C** Ph.D. 1985, Biophysics/Biochem. Organic chemistry, fluorescence, mass spec, NMR, IR, UV, chromatography, UDS, FCC detection, HPLC, cell elutriation, Northern/Southern analysis, DNA probes; enzyme assays, kinetics; DNA isolation; tissue culture, BrdUrd CsCl density centrifugation; photoaffinity labeling, Western blot. Postdoc: 3 years. Teach exp. 10 yrs; Senior Scientist 4 years. Avail. immed. Prefer Northeast coast. Salary negotiable.

**219C** Ph.D., 1993, Biophysic. Struc. Bio. DNA adduct, multidimensional NMR, HPLC, CD, Fluorescence, UV/VIS, computation. Postdoc. 2½ yrs. Seek indus./govern. research position. Avail. immediately. Salary negotiable.

**220C** Ph.D., 1996, Rad. Bio./Program Cell/Mol. Bio., MS 1995. Health Physics-Colorado State University. Mutagenesis studies, cell culture, Southern blotting, PCR, FISH. Seek postdoctoral position. Available October 1996. Prefer midwest/west.

**221C** Ph.D., M.D., 1989. Molecular Biology/Pharmacology. 2 years postdoc., 2 years industry, and 5 years academic experience. Chemo-Immuno-Hormonal and gene therapies (*in vitro* & *in vivo*). Receptor studies & growth factors, molecular biology techniques, flowcytometric and computerized analysis. Seek acad./indus./gov't. research/administrative position.

**222C** M.D. 1984. Ph.D. expected in July 1997. Molec./Cell Biol.: Experience in tissue culture, immunohistochemistry, Southern/Western blot, PCR-SSCP, invasion and metastasis study, zymography. Interested in tumor suppressor gene; molecular mechanism of metastasis and gene therapy. Ind./gov't. position OK; acad. position preferred.

**223C** M.D., 1984, Ph.D., 1989. Cancer Biology; Cellular and Molecular Immunology. About 30 publications in these two fields.

**225C** Ph.D., 1992, Molec./Cell. Biol./Biochem./Exp. Therapeutics/Immuno.: Oncogene, cytokine surface receptors, signal transduction, cell cycle, tissue culture, drug metabolism, pharmacokinetics, organic synthesis. Tumor animal model, immunol. analyses, immunochemical staining, receptor binding, crosslink, DNA probes. Northern/Southern/Western blots. FACS, etc. Postdoc. 4 yrs. Teach. exp. 14 yrs. Seek acad./indus./government position. Avail. immediately. Salary negotiable.

**226C** Ph.D. 1991, Pharmacology and Exp. Ther. Expertise in transcription factors, drug resistance, protein interactions. Experience in most molecular, biochem. assays. 4.5 years postdoc. exp. Seek industrial Senior Scientist position.

**228C** Ph.D. 1983, Microbiology. Tissue cultures, protein-protein interaction, Western blot, Southern/Northern analysis, virus production; cell cycle, immunofluorescence/immunohistochemistry/oncogenes. Available July 1996. Seek industrial/academic staff position.

**230C** Ph.D., 1989, Molec./Cell Biol. Funded investigator seeks acad./industrial position. Tumor suppressor genes, viral contributions to cancer, mismatch repair disorders. Avail. July 1996.

**231C** Ph.D., 1988, Biochemistry/Radiopharmaceutical Chemistry: currently working on anticancer agents, gene transfer, immunotherapy. Tissue culture, organic synthesis, labeling, HPLC, gel, TLC cytotoxicity study, DNA incorporation study, DNA purification, transfecting cell by DNA (plasmid) and expression of gene, subcellular fractionation of cell. Postdoc. 4 yrs. Seek research position. Avail. Sept. 1996; prefer Maryland, Washington, DC.

**232C** Ph.D. in 1989, Biochem. Cell biol., tissue culture, surface receptors, nucl. acid-binding proteins, affinity modification synthesis reactive DNA probes, pharmacokinetics, nucleic acid trafficking, antisense oligonucleotides. Teach. exp. 5 yrs. Seek acad./indus. research position. Avail. May 1996. No geographic preference. Salary negotiable.

**233C** M.S./M.D., 1994. Biochem/Medicine. Tissue and cell culture, oncogenes (*Ras*-MAPK signaling transduction) and FCase/GGTase-specific inhibitor drug development; molecular cloning and DNA probes techniques. Immunol. analyses. Animal studies (nude mouse/transgenic mouse). Postdoc. 2 yrs. Seek indus. scientist position. Avail. soon. Salary negotiable. Any state.

**234C** Ph.D., M.D. All basic molecular biology techniques. Animal model & clinical experience; teaching exp. Seek clinically-related studies.

**235C** Ph.D., 1983, Biological Science; Tumor Cell Biology-Experimental Tumor Metastasis, Tumor Models *In Vivo*; Thrombotic Animal Models-Tissue Culture-Blood Cell Experimental Approaches-Integrins-Extracellular Matrix-Growth Factors-Immunostaining-Histochemistry-Adhesion-Migration-Protein Biochemistry-Molecular Biology; Northern/Southern/Western Blots. Postdoc. 5 yrs. Seek Acad/Indus. Research Position. Available 1997-No Geographic Preference; Salary Negotiable.

**236C** Ph.D., 1996, M.D., 1987. Molec./Cell. Biol. Cocultures. cytofluorimetric assays, Western blots, immunol. analyses. Seek academic/research postdoctoral position. Avail. Oct. 1996. Prefer East Coast states. Salary negotiable.

**237C** M.D., 1989, Ph.D. expected March 1997, Molec./Cell Biology. PCR, Northern/Southern/Western blots, Immunohistochemistry, Microscopy (light, electron), Immunopathology, animal study. Available April 1997. Salary negotiable.

**239C** Ph.D. expected Dec. 1996. Molec. Genetics. Northern/Southern/Western blots, Protein Purification, Transgenic Animals, PCR, Library Screening. ELISA, Immunohistochemistry. M.S. Microbiology, 1992. Seek acad/indus. postdoc. Avail. Feb. 1997. Prefer Northeast states.

**241C** Ph.D. 1994, Tumor Molecular and Cellular Biology. *In vivo* assays for tumor progression (invasion & metastasis). Northern, Western, Southwestern, Southern blots, gel shift analysis, PCR, inactivation of tumor suppressor genes, oncogenes. In 2nd Post-doctoral year. Seek Acad./Indus. research position. Avail. Summer 1996. Prefer mid-Atlantic or Southeastern U.S.

**242C** PCR, RT-PCR, DDRT-PCR, etc., Molec./Cell Biol., RNA/DNA hybridization, oncogenes, molec. sequencing, DNA cloning, RNA/DNA purifications, subtractive hybridization, lib. constm. and screen., probe and primers designing, protein purification and characterization. Postdoc. 3 yrs. Avail. immediately; salary negotiable; Permanent res.

**243C** M.B.Ch.B. (United Kingdom), 1988, Ph.D. (H.K.), anticipated 1996. Molecular biology of EBV in lymphomas; basic molecular biology techniques; clinical background in medicine/pediatrics. Seek postdoctoral or physician training fellowship; available early 1997.

**244C** Ph.D. 1988, Chemical Toxicology Carcinogenicity. Animal, cellular and molec. assays; DNA damage analysis; physicochemical methods. FTIR, HPLC, NMR, GC, mass, etc. spectros. Seek indus. research position. Avail. before Jan. 1, 1997.

**245C** M.D., 1992, Immunology & Tissue culture. Immunol. analysis, RT-PCR, Molec biology. Postdoc in Vienna 3 years, Teach. exp. 1 year. Seek Ph.D. position. Avail. Sept. 1997. Salary negotiable.

**246C** Ph.D., 1989, Cell Biology; Ph.D., 1993 Human Genetics. Cell culture, flow cytometry, all blotting techniques, PCR, apoptosis; cell proliferation; genetic instability; multidrug resistance. Extensive teaching experience. Seek acad. pos. Avail. mid 1996; Pacific Northwest/Europe. Salary negotiable.

**248C** Ph.D., 1993, Pharmacology; oxidative stress and chemotherapy background; anti-cancer/anti-HSV drug screening, enzyme assays, cDNA screening, tissue culture, mol. biological techniques; postdoc 3 yrs; seek acad/ind. research position; would like to focus on infectious dis. research-host foreign agent interactions & chemotherapy.

**249C** Ph.D., 1990, Mol/Cell Biol. Cell cycle/DNA-damage responses/growth control: tissue culture, transfection, cloning, gene expression, recombin. protein express, kinase assays, flow cytometry 2D,

mol. prot. techniques (ip, Western) (*in vitro*/blot enzyme assays), Northern, Southern, genomic mapping. Postdoc 4 yrs.

**250C** Ph.D., 1992, Chemical Carcinogenesis/Toxicology. Areas of interest include molecular dosimetry of chemical carcinogens and the role of DNA adducts in carcinogenesis and mutagenesis. Seek academic or government research position.

**252C** M.D., 1983, Cell Biol/Immunology. Flow cytometry, tissue culture, cell DNA antigen assay, cell cycle assay, apoptosis assay, surface receptors, data analysis, personal computer, lab. management. Research area: Radi. Oncology. Hemato. Onc. Seek acad./indus. research position. Avail. Sept. 1996. Salary negotiable.

**253C** Innovative scientist with twelve years of accomplishments in the development of recombinant and gene-based human therapeutics. A consistent record of advancement based on project leadership, teamwork and technical achievements. Expertise in cellular and molecular biology and tumor immunology. Additional experience in presentation of technical and scientific material at international meetings.

**254C** Ph.D., 1994, Molecular Genetics. PCR, Southern/Northern/Western blots, protein purification, antibody preparation and purification, DNA sequencing and sequence analysis, etc. Present Postdoc. Fellow (NIH Training Grant): Retrovirus-mediated gene transfer to hematopoietic stem cells. Transgenic mice generation, ES cell techniques.

**256C** M.D./M.S. Molecular/Cell Biology. Ophthalmic Genetics. 6 yrs. exp. at NIH. PCR. Gene Library Screening, Gene Cloning/Expression/Sequencing. Southern/Northern/Western Blots. Mutation Detection. Tissue Culture. Immunocytochemistry. Chromosomal Karyotypic Analysis, Ophthalmology, Ophthalmosurgery. Seek Academic/Industry/Hospital Lab research position.

**257C** Ph.D. 1993, Molecular Genetics. Cloning,

molecular biology techniques including site directed mutagenesis, PCR technologies, CAT assays, library construction & screening, kinase assays for SNK & ERV, immunoprecipitations, sequencing, footprinting, tissue culture and transfection technologies. Postdoctoral fellow for 2½ yrs. Some teaching & supervisory exp. as well as technical lab exp. in a gov't. lab. Seek industrial research position. Salary negotiable.

**258C** Ph.D., expected Fall 1996, Molec./Cell. Biology. RNA/DNA isolation, RT-PCR, quant. RNA-PCR, Northern/Southern/Western blots, tissue culture, mRNA differential display, transient transfection, cloning, RNase mismatch cleavage, hybridoma production, ELISA, flow cytometry, teaching experience, speaks Eng./Germ. Seeks acad./gov't./indus. research position. USA/Europe; salary negotiable.

**259C** M.D., 1989; FRCRC; Certified in Internal Medicine, Hematology and Medical Oncology; Special Interest in Hematological Malignancies and Breast Cancer; Academic Head of a Canadian Cancer Center; Available June 1996; Prefer mid-Atlantic States.

**261C** B.S., M.S., Cell Biol. 9 years exp. Extensive exp. in cell culture, immunochemistry, ELISA, Western blotting, flow cytometry, paraffin-embedded section, SDS-PAGE, agarose gel electrophoresis, Southern blotting. 9 years teaching exp. Seek postdoctoral/Research Associate position.

**262C** Ph.D., 1996, Molec Biol., Radiation Biol. Tissue culture, Southern analysis, RT-PCR, PCR amplification, microsatellite analysis, Western analysis, immunoppt. and protein activity blots. FISH analysis of interphase and metaphase cells. PRINS, PCR labeling of fluorescent probes. Seek acad./indus. research position. Available August 1996. Need Southern California. Salary negotiable.

**264C** Ph.D. 1990. Toxicology/Chemical Carcinogenesis/Environmental Sciences. Molecular mechanisms of metal-induced toxicity and carcinogenesis. Food chain transfer of heavy metals. Bioavailability

and chemical specification of heavy metals. Postdoc: 5 yrs. Seek gov't./indus./acad. position. Avail. Sept. 1996. Prefer Washington area/Baltimore. Salary negotiable.

**266C** Ph.D. 1995, Biochem. and Biotech. Cell culture, blots (Northern/Southern/Western), confocal microscopy, microinjection, immunol. analysis, *in situ* hybridization, HPLC, affinity chromatography. Seek acad./indus. research position. Avail now. Salary negotiable.

**268C** Ph.D. 1988. Molec./Cell Biol.; Extensive experience in growth factor research. Expertise in structure/function study of growth factors and their receptors. Publications in top-rated journals. Excellent communication and supervisory skills. Seek indus./acad. research-oriented position. Avail. August 1996. Salary open.

**269C** Ph.D., 1992, Biochem./Pharmacol./Mol. Biol. P-glycoprotein, cytochromes P-450, steroid receptors, transcriptional regulation, p53/transient and stable transfections, gel-shifts, PCR-cloning and mutagenesis. Postdoc 4 yrs. Avail. Oct. 1996. Salary negotiable.

**271C** Ph.D. 1993, Biochemistry. Cell culture, site-directed mutagenesis. PCR, molecular cloning, DNA sequencing, gene expression in eukaryotes & prokaryotes, Northern, Western immunoblotting, slot blot immunoblotting, ELISA, soft agar (anchorage-indep't.) growth assay. Postdoc. 3 yrs. Seek industry/government research position. Avail. Sept. 1996; salary negotiable; no geographic preference.

**273C** M. D., 1964; Ph.D., 1971. Experimental Pathology/Pathophysiology/Tumor Biology/Cytogenetics. BE in clinical cytogenetics, 1996. Research exp. 25 yrs. Teach. exp. 20+ yrs. Seek acad./indus. research position primarily in tumor cytogenetics or clinical cytogenetics. No geographic preference. Salary 45+ K.

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# 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 11,000 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* that contains over 4,000 abstracts of proffered papers presented at the annual meeting;
3. reduced registration rates at annual meetings;
4. priority notice of small, focussed meetings in the AACR's exciting series of Special Conferences in Cancer Research;
5. substantially 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 over 11,000 member researchers in the cancer field;
10. the professional benefits of the AACR's public education activities concerning funding for cancer research and press coverage of the latest research findings;
11. the opportunity to participate in three Summer Workshops that foster knowledge in the cancer field for young investigators;
12. the facilitation of informal scientific exchange with leading researchers in the cancer field; and
13. 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 formally elects all members. The same procedure is followed by the Special Memberships

Committee which receives applications for corresponding membership. Candidates will be notified according to the following schedule:

<u>Receipt of Application in AACR Office</u>	<u>Notification of Candidate</u>
January 1	March
May 1	July
September 1	November

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, 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 this 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  
E-mail: aacr@aol.com

### RESPONSIBILITIES OF MEMBERSHIP

Candidates should be aware of the following responsibilities of membership in the AACR. Active members must pay annual dues. In 1996 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 1996) and may, 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, Ph.D.  
Executive Director





# AMERICAN ASSOCIATION FOR CANCER RESEARCH

## GUIDELINES FOR APPLICATION FOR ASSOCIATE MEMBERSHIP

### 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 proffered paper (abstract) for consideration 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* that contains over 4,000 abstracts of proffered papers presented at the annual meeting;
3. the privilege of registering for the annual meeting at the low associate member rate;
4. preferred access to the AACR Employment Register;
5. optional subscriptions to the Association's high-quality journals *Cancer Research*, *Clinical Cancer Research*, *Cell Growth & Differentiation*, and *Cancer Epidemiology, Biomarkers & Prevention* at reduced member rates;
6. priority notification of events in the AACR's series of special conferences on timely subjects in the field;
7. substantially reduced registration rates at special conferences;
8. the receipt of AACR newsletters, meeting announcements, and an up-to-date Membership Directory;
9. the opportunity to participate in three Summer Workshops that foster knowledge in the cancer field for young investigators; and
10. 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 are currently \$35 for associate members residing in the Americas and \$45 for residents of other countries. 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 \$35 or \$45 dues payment to:

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  
E-mail: aacr@aol.com

### RESPONSIBILITIES OF MEMBERSHIP

Associate members must pay annual dues in an amount to be determined by the AACR Board of Directors. Dues for 1995 and 1996 have been set at \$35 per year for residents of the Americas and \$45 for residents of other countries. 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 November 1995 for the forthcoming annual meeting must have paid dues for 1995. Any newly elected associate 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 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 1995 may retain associate membership until December 31, 1999. The Board of Directors may terminate the membership of an associate member whose dues are in arrears for two years.

Margaret Foti, Ph.D.  
Executive Director

# AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.

Public Ledger Building · Suite 816 · 150 S. Independence Mall West · Philadelphia, PA 19106-3483

## 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 only one): E-MAIL NUMBER (CARRIER): \_\_\_\_\_

\_\_\_\_ 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                  \_\_\_\_ Virology                                  \_\_\_\_ Other: \_\_\_\_\_  
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 print)

### 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 one year's dues. Dues are currently \$35 for associate members residing in the Americas and \$45 for residents of other countries.

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  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 March on 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.

## Guidelines for Submitting Disks to American Association for Cancer Research Publications

The word processing packages that we prefer are as follows:

MacWrite Microsoft Word (DOS, Windows, and Macintosh)	WordPerfect (DOS, Windows, and Macintosh) XyWrite (DOS and Windows)
---	---

Also acceptable:

Ability AmiPro A <sub>M</sub> S-TeX AppLeworks ArborTeX ArborText ClarisWorks WP CPT 8000 CTOS Diablo DisplayWrite Duet Einstein Enable EXP Final Word FullWrite GemWord Plus IBM Writing Assistant Interleaf L <sub>A</sub> TeX Latex Leading Edge Lotus Manuscript Lotus Write	Mass 11 MS Windows Write MS Works MS Works WP Mac Multimate Multimate Advantage Nibia Nisus (to ASCII file) Notewriter Obun OfficeWriter PC Write PFS First Choice Professional Write Q&A Write Quark XPress RagTime MS Works (to ASCII file) Rich Text Format RSG (to ASCII file) Signature SLITeX SmartWhere SmartWrite II	SoloWriter Sprint Stx SunWrite Symphony TEX TeX78 Text EXecutive Textures Total Word Troff μTeX Volkswriter VuWriter Wang OIS Wang WPS Wang Writer Window Works Windows Write WiziWord Wordstar Wordstar 2000 WriteNow Xerox
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Software packages that we are unable to translate:

FrameMaker PageMaker	Ready, Set, Go Scientific Writer
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Disks produced on IBM or IBM-compatible computers are preferred, but those produced on some Apple or Wang computers can also be converted. 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):** \_\_\_\_\_

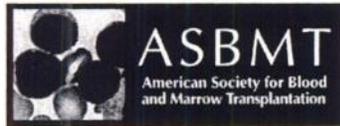
**Telephone/FAX numbers:** \_\_\_\_\_

This form (both sides) may be reproduced.

2ND ANNUAL SCIENTIFIC MEETING OF THE  
AMERICAN SOCIETY FOR BLOOD AND MARROW TRANSPLANTATION

JOINT SPECIAL CONFERENCE WITH THE  
AMERICAN ASSOCIATION FOR CANCER RESEARCH

# Novel Approaches in Blood and Marrow Transplantation



October 2-6, 1996  
Hotel del Coronado  
San Diego, CA



**Co-Sponsored by the College of Physicians & Surgeons of Columbia University**  
**ASBMT and AACR gratefully acknowledge Sandoz Oncology and SyStemix, Inc.,**  
**who have provided generous unrestricted educational grants for this meeting.**

## CONFERENCE CO-CHAIRPERSONS

**Bruce R. Blazar** / Minneapolis, MN   **O. Michael Colvin** / Durham, NC

## PROGRAM COMMITTEE

**Karen S. H. Antman** / New York, NY  
**Joseph R. Bertino** / New York, NY  
**Barbara E. Bierer** / Boston, MA  
**Richard E. Champlin** / Houston, TX  
**Nelson J. Chao** / Stanford, CA  
**Connie J. Eaves** / Vancouver, BC, Canada

**Olivera J. Finn** / Pittsburgh, PA  
**Ronald E. Gress** / Bethesda, MD  
**Helen E. Heslop** / Memphis, TN  
**John H. Kersey** / Minneapolis, MN  
**Keith M. Sullivan** / Seattle, WA

## PLENARY SESSIONS

### Pharmacologic Approaches to Reducing Malignancy

**Joseph R. Bertino** / New York, NY  
**Robert B. Diasio** / Birmingham, AL  
**William Hryniuk** / San Diego, CA  
**O. Michael Colvin** / Durham, NC

### Biologic Approaches to Reducing Malignancy

**Martin Kast** / Chicago, IL  
**Fatih M. Uckun** / Minneapolis, MN  
**John R. Murphy** / Boston, MA  
**Glenn Dranoff** / Boston, MA

### Options for Hematopoietic Progenitor Cell Sources

**Christopher Juttner** / Palo Alto, CA  
**Peter M. Lansdorp** / Vancouver, BC, Canada  
**Jan Nolte** / Los Angeles, CA  
**Paul Martin** / Seattle, WA

### Allogeneic Approaches to Reducing Malignancy Post-BMT

**Bruce R. Blazar** / Minneapolis, MN  
**Ronald E. Gress** / Bethesda, MD  
**Robert Korngold** / Philadelphia, PA  
**Lee M. Nadler** / Boston, MA

### Biology of Breast Cancer

**Mien Chie Hung** / Houston, TX  
**Karen S. H. Antman** / New York, NY  
**Jeffrey T. Holt** / Nashville, TN  
**Daniel D. Von Hoff** / San Antonio, TX

## Policy Issues

**Joseph W. Fay** / Dallas, TX  
**Scott D. Rowley** / Seattle, WA  
**Elizabeth J. Shpall** / Denver, CO  
**Richard E. Champlin** / Houston, TX

## SCIENTIFIC SUBCOMMITTEES AND CHAIRPERSONS

### Solid Tumors

**Emil Frei III** / Boston, MA  
**William P. Peters** / Detroit, MI

### Lymphoid Malignancies

**Jerome Ritz** / Boston, MA  
**Gordon L. Phillips** / Lexington, KY

### Experimental Therapeutics

**O. Michael Colvin** / Durham, NC  
**Stanley Riddell** / Seattle, WA

### Gene Therapy

**Donald B. Kohn** / Los Angeles, CA  
**Malcolm K. Brenner** / Memphis, TN

## WORKSHOP TITLES AND CHAIRPERSONS

### Tumor Biology and Residual Disease Detection

**Paul M. Sondel** / Madison, WI  
**John Gribben** / Boston, MA

### Growth Factors and Sources of Stem Cells

**Joanne Kurtzberg** / Durham, NC  
**Malcolm A. S. Moore** / New York, NY

### Graft Rejection/GVHD/GVL

**Robert B. Levy** / Miami, FL  
**Martin A. Cheever** / Seattle, WA

### Supportive Care

**John R. Wingard** / Atlanta, GA  
**Raleigh Bowden** / Seattle, WA

### Leukemias

**Edward D. Ball** / Pittsburgh, PA  
**Michael L. Cleary** / Stanford, CA

### Non-malignant Disorders: Congenital and Acquired

**Robertson M. Parkman** / Los Angeles, CA  
**Rainer F. Storb** / Seattle, WA

## Information and Registration Forms: 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)  
e-mail: aacr@aol.com

**AMERICAN ASSOCIATION FOR CANCER RESEARCH  
88th Annual Meeting**

**Frederick P. Li, Program Committee Chairperson  
Clara Derber Bloomfield, Program Committee Co-Chairperson  
Stephen H. Friend, Program Committee Co-Chairperson**

**San Diego Convention Center, San Diego, California  
April 12-16, 1997**

**Titles of Major Sessions**

(Names of confirmed chairpersons are in parentheses)

**PLENARY SESSION**

*Genetic Predisposition to Cancer* (Louise C. Strong)

*Colon Cancer* (Margaret A. Tempero)

**SYMPOSIA**

*Genes, Cell Proliferation, and Antineoplastic Drugs*  
(George F. Vande Woude)

*Signaling Pathways for Novel Therapeutics* (Anthony J. Pawson)

*Diagnostic, Prognostic, and Therapeutic Aspects of  
Tumor Suppressor Genes* (David Sidransky)

*Animal Models for Functional Analysis of Tumor  
Suppressor Genes*

*Cell Cycle Regulation*

*New Techniques for Molecular Diagnostics*

*Breast Cancer Genes*

*Mechanisms of Cellular Senescence* (J. Carl Barrett)

*Metastasis, Adhesion, and Angiogenesis: Mechanisms  
and Therapeutic Strategies* (Marilyn M. Cornwell)

*Damage Response Pathways* (Philip C. Hanawalt)

*Novel Clinical Trials Based on Genetics and Molecular  
Therapeutics* (Stephen H. Friend)

*Gene Interactions with the Environment/  
Carcinogenesis* (Allan Balmain)

*Apoptosis and Cancer Chemotherapy* (Michael B.  
Kastan)

*Epidemiology and Pathogenesis of Secondary Cancers*  
(Frederick P. Li)

*Identification and Management of Genetic-High-Risk  
Individuals* (Albert de la Chapelle)

**METHODS WORKSHOPS,  
EDUCATIONAL, CONTROVERSY, AND  
MEET-THE-EXPERT SUNRISE SESSIONS**  
To be announced

*Demystifying the Role of Cytokines in Tumor  
Immunobiology: Status and Future Utility* (Michael A.  
Caligiuri)

*Abstract Deadline: November 12, 1996*

*Telomerase and Clinical Applications* (Titia de Lange)

**Further Information:** AACR Office • Public Ledger  
Building • Suite 816 • 150 S. Independence Mall West  
Philadelphia, PA 19106-3483 • **TELEPHONE:** (215)  
440-9300 • **FAX:** (215) 440-9313 • **Email:** aacr@aol.com

*Acute Myelocytic Leukemia* (Clara Derber Bloomfield)

*Prostate Cancer*

*For up-to-date information visit the AACR web site at  
<http://www.aacr.org>*