range of 8.0 to 2000 pg/ml of cytokine means no concentration of sample is necessary. CytImmune Sciences. Circle 138.

**Cell Culture Microscope**
The Axiovert 25 inverted microscope is designed to give cell culture laboratories the optimum combination of compact size, convenient and ergonomic operation, optical performance, and full fluorescence microscopy and documentation capabilities. With a stage height of only 190 mm and working distances between 53 mm and 190 mm, it is suited for cell culture vessels of all kinds. The sliding condenser offers brightfield scanning illumination with maximum working distance for observing roller bottles and other large flasks. Carl Zeiss. Circle 139.

**Antibodies**
Rabbit polyclonal antibodies are available to metabotropic glutamate receptors mGluRII and mGluR2/3. The neuroscience research antibodies are affinity-purified and can be used for immunohistochemistry (both light and electron microscopy) and protein immunoblotting. Chemicon International. Circle 140.

A monoclonal antibody is available to CD62L, also known as L-selectin. It is a 76-kD molecule that functions in leukocyte binding to activated endothelium and in lymphocyte homing to high endothelial venules. Biodesign International. Circle 141.

**T Cell Columns**
T cell columns are a fast, specific, and cost-effective way to purify T cell populations. Two types of columns are available. T cell enrichment columns enable the researcher to purify T cells from a population of mononuclear cells quickly and easily. The columns work by high-affinity negative selection, which means T cells are purified without being activated. CD4/CD8 subset columns are for purifying CD4+ and CD8+ cells from mononuclear cells. The mononuclear cells are incubated with an antibody cocktail and then loaded onto columns. Unactivated CD4+CD8+ T cells are purified by high-affinity negative selection. R&D Systems. Circle 142.

**Literature**

Model 4110 ZL Atomic Absorption Spectrometer describes a high-performance Zeeman-corrected graphite furnace unit that provides exceptional trace metal analysis. PerkinElmer. Circle 144.

Troubleshooting High-Performance Liquid Chromatography is a comprehensive and graphically rich, computer-based guide. Through interactive examples and animated graphics, the user learns to apply various methods and techniques to solve problems. Phenomenex. Circle 145.

World-Class Quality Laboratory Chemicals and Services Catalog details an extensive line of laboratory, specialty, pharmaceutical, and biotechnology chemicals. Mallinckrodt. Circle 146.

PC Systems Handbook for Scientists and Engineers is a 196-page catalog that focuses on personal computer–based workstations, data acquisition, instrumentation, communication, and motion control products. CyberResearch. Circle 147.

Nucleic Acid Purification, DNA Sequencing, cDNA Synthesis, and In Vitro Transcription are information packets containing technical product information and detailed protocols on these molecular biology applications. Epicentre Technologies. Circle 148.

Innovative Products for Molecular Biology Research is a catalog with information on electronic imaging and analysis systems, transilluminator, photodocumentation systems, electrophoresis equipment, autoradiography equipment, and more. Fotodyne. Circle 149.

Antibodies to Growth Factors, Interleukins and Receptors describes many new antibodies and growth factor–linked immunosorbent assay kits. Sigma Chemical. Circle 150.

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Circle No. 23 on Readers' Service Card
The Department is seeking to fill a TENURED or TENURE-TRACK position in areas related to fundamental aspects of molecular medicine. Applications from established investigators will be considered, academic rank and salary will be commensurate with the experience of the successful applicant. With a distinguished tradition of medical research dating back to Frederick Banting and Charles Best, the Department continues to develop research strengths in gene expression, signal transduction, and diabetes. The Department is an extraordinarily rich environment in which to pursue biomedical research, with enthusiasm and incentives available for extramural commitments.

Successful candidates will be expected to maintain an independent research program that achieves international recognition. The initial appointment will be at the level of Assistant Professor, but may be at the level of Associate or Full Professor, depending on the candidate’s level of experience. Initial appointments will be for a term of 12 months, renewable to a maximum of 5 years. All successful candidates will be expected to achieve a tenure-track position within this period.

Applicants should forward a curriculum vitae and an outline of research interests, and arrange for three letters of reference to be sent directly to: Dr. Jim Friese, President, University of Toronto, 112 College Street, Toronto, Ontario M5G 1L6 Canada by June 15, 1996.

In accordance with its Employment Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples, and persons with disabilities.

The Augustana College seeks to fill a tenure-track position in Microbiology. Applicants must possess a Ph.D. in Biochemistry or a closely related field from an accredited institution and have experience in teaching and research. The successful candidate will be expected to develop and maintain an extramural funding program. Applications from individuals with experience in immunology, physiology, environmental science, or other related disciplines will be considered. The initial appointment will be at the level of Assistant Professor, but may be at the level of Associate or Full Professor, depending on the candidate’s level of experience. Initial appointments will be for a term of 12 months, renewable to a maximum of 5 years. All successful candidates will be expected to achieve a tenure-track position within this period.

The position will be located near cold. Application Deadline: June 20, 1996. All correspondence should be addressed to: Dr. C. B. MacNeil, President, University of Toronto, 112 College Street, Toronto, Ontario M5G 1L6 Canada.
MOLECULAR/GENETIC EPIDEMIOLOGIST
MAYO FOUNDATION

The Section of Clinical Epidemiology at Mayo Clinic, in collaboration with the Mayo Cancer Center, is seeking a molecular/genetic epidemiologist to fill a new position in our large and active group. This position presents an exciting opportunity for the successful candidate to conduct population-based molecular epidemiologic studies of the occurrence, etiology, and outcomes of cancers, as well as evaluations of the impact of diagnostic and therapeutic interventions in these conditions.

Applicants should have a strong methodologic training in epidemiology with evidence of research productivity in molecular epidemiology as reflected by peer-reviewed publications and a demonstrated ability to attract extramural research funding. This individual will be expected to develop an independent program of research in collaboration with clinical and laboratory investigators.

The Mayo Clinic, with a research budget in excess of $130 million per year, provides an outstanding environment for the conduct of molecular epidemiologic research. Resources include: The Rochester Epidemiology Project, with its linkage of medical records for residents of Olmsted County back to the early 1900s, a large referral practice as reflected by over 150,000 cases recorded in the Mayo Tumor Registry, tissue archives from the local and referral practice, and an exceptional collaborative atmosphere among clinicians, basic scientists, epidemiologists and biostatisticians.

Academic rank for the successful applicant will depend on qualifications and experience. There are no clinical practice responsibilities associated with this position. Salary and benefits are most competitive.

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Qualified applicants should submit a current curriculum vitae to:

Steven J. Jacobsen, MD, PhD
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The Department of Dermatology at the College of Physicians and Surgeons of Columbia University is expanding its clinical, educational, and research divisions. New facilities are being organized with primary commitments to clinical and/or basic science research, and education. Positions are at the level of INSTRUCTOR, ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, or PROFESSOR (tenured/non-tenured) depending on qualifications. RESEARCH STAFF positions are available for professional and staff officers, postdoctoral research, clinical scientists and fellows. Candidates should be well-trained physicians (Board-certified) and researchers with significant clinical and/or laboratory research experience. Areas of emphasis include dermatopathology and surgery, and research in molecular biology, immunology, gene therapy, drug developments, and clinical trials. Interested individuals should send their curriculum vitae and bibliography to: David R. Bickers, M.D., Chairman, Department of Dermatology, Columbia University, 630 West 168 Street, New York, NY 10032. The Department is particularly interested in qualified minority and women applicants. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

AUDITORY PHYSIOLOGY

This position is available for a Ph.D. graduate to study neural mechanisms for the processing of complex communication and/or biosonar sounds in the bat's auditory system. A person with background in neurophysiology and/or neuroanatomy is welcome to apply. Please send 1) curriculum vitae, 2) a brief statement of research interest and experience, and 3) names and telephone/FAX numbers of three references to: Professor N. Suga, Department of Biology, Washington University, One Brookings Drive, St. Louis, MO 63130, FAX and Telephone: 314-935-8530; Email: Suga@wustlb.wustl.edu; An Equal Opportunity/Affirmative Action Employer.

ENVIRONMENTAL SCIENCES FACULTY POSITION

The University of Texas-Houston Health Science Center
School of Public Health
MPH Program at San Antonio

The Environmental Sciences Discipline of The University of Texas-Houston School of Public Health is seeking candidates for a tenure-track position at the Assistant or Associate Professor level to join the faculty of the Satellite MPH program in San Antonio. The satellite program, an integral part of the UT-Houston Health Science Center School of Public Health, is located on the campus of The University of Texas Health Science Center at San Antonio. Candidates must have a doctoral degree in the environmental sciences or an M.D., M.P.H. with board certification in preventive medicine; demonstrated competence and experience in teaching environmental and occupational health at the graduate level; and evidence of scholarly achievement as indicated by research projects and publications. Experience in the development and administration of environmental health programs at the community or state level is preferred. Responsibilities will include teaching, research, supervision of graduate students and community service. The incumbent will have research interests pertinent to the particular problems of public health in South Texas and the United States-Mexico border region. An opportunity to assume administrative responsibilities may be available for a candidate hired at the Associate level.

Greater detail about this position, The University of Texas-Houston Health Science Center School of Public Health, and The University of Texas Health Science Center at San Antonio may be obtained through the Internet at the following address:
http://utshph.sph.uth.tmc.edu/
The University of Texas is an Equal Opportunity Employer. Minorities and women are particularly encouraged to apply. The start date is flexible; review of applications will begin immediately and continue until a suitable candidate is selected.

To apply: Send your curriculum vitae to:
George L. Delcos, M.D., M.P.H.
Search Committee Chair, School of Public Health
The University of Texas-Houston Health Science Center
P.O. Box 20186, Houston, Texas 77225

POSTDOCTORAL POSITION

Biology of Malaria at the Molecular Level

Our laboratory studies the molecular basis of hemoglobin degradation and heme polymerization, processes occurring in the digestive vacuole of the human malaria parasite, Plasmodium falciparum. Our current work involves a combination of biochemical, cell biological, molecular, and genetic approaches, and is interested in defining and inhibiting this vital metabolic pathway, which is the target of antimalarial agents such as chloroquine. Applicants must have a Ph.D. or M.D. degree and experience in cell biology, molecular biology, and genetics. Send curriculum vitae, a letter of interest, and letters of recommendation to: Daniel E. Goldberg, M.D., Ph.D., Howard Hughes Medical Institute, Washington University School of Medicine, Department of Molecular Microbiology, Box 8230, 660 South Euclid Avenue, St. Louis, MO 63110.

POSTDOCTORAL POSITION

available immediately to study the molecular biology of retinal transactivation of cellular genes. Strong background in retinal molecular biology is required. Must be U.S. citizen/resident. Please submit curriculum vitae, including names and addresses of three references, to: Dr. Douglas V. Faller, Carere Center, Boston University Medical School, 80 East Concord Street E-124, Boston, MA 02118. FAX: 617-638-4176. An Affirmative Action/Equal Opportunity Employer.

HARVARD MEDICAL SCHOOL
Postdoctoral Position/Genet Therapy

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Neuroscientist

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LSU Neuroscience Center of Excellence

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Nicolae G. Buzan, M.D., Ph.D.
Director
LSU Neuroscience Center of Excellence
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Cell Biologist: Ph.D. in Biochem, Immun., Pharmacol. with 2+ yrs exp: Studying the binding, uptake and intracellular trafficking of molecules that are taken up by receptor mediated endocytosis.

Membrane Biochemist: Ph.D. in Biochem. or Microbio. with 1-5 yrs exp.: Membrane biochem., with either membrane lipids and liposomal drug delivery systems or in membrane fusion peptides of either viral or bacterial origin. Exp. with anticancer or anti-infective agents would be an asset.

Please forward your resume to the: H. R., Inex Pharmaceuticals Corporation, 1779 West 75th Avenue, Vancouver, B.C. Canada V6P 6P2, or FAX: (604) 264-9959 or email: yaroshev@inexpharm.com
Aerosol tciris, POSTDOCTORAL biologist mrciit rology MA 02111. Email: piurificationi gecicsis anid carry Imlapping, strOIngbackgrouIInd groulnids phiarimacology. cxpectcd POSITION POSTDOCTORAL [Ilic UNIVERSITY OF ARIZONA, CARACAS, CHILE for a postdoctoral position in the laboratory of Dr. Thomas Slaga, Director, National Cancer Institute/NCI, NIH. This position is available immediately for a 2-year appointment. The laboratory works extensively on the role of retinoids in the regulation of cancer cell growth, using both in vitro and in vivo models. The successful candidate will have a Ph.D. or equivalent degree in molecular biology, cell biology, or pharmacology. The position offers opportunities for independent research in a well-equipped multidisciplinary laboratory and in the anatomic work environment. Applications with a curriculum vitae should be sent to: Dr. Thomas Slaga, Director, National Cancer Institute/NCI, NIH, Building 10, Room 2N-01, Bethesda, MD 20205. FAX: 301-496-0064. Tel.: 301-496-0037. Email: slaga@helios.nci.nih.gov.

POSTDOCTORAL POSITION immediately available to study ion channel regulation during mammalian fertilization. Projects include: stimulus-secretion coupling during fertilization, mechanisms of channel modulation, and isolation and characterization of cDNAs from all relevant disciplines, although candidates with backgrounds in digital image processing, fluorescence microscopy, or patch clamp methods, or in protein purification or cloning techniques are encouraged to apply. Send curriculum vitae and the names of three references to: Harvey M. Florman, Department of Anatomy and Cellular Biology, Tufts University School of Medicine, Boston, MA 02111. Email: hflorman@opal.tufts.edu.

POSTDOCTORAL POSITIONS available immediately to study molecular mechanisms of human tumourigenesis and tumour progression. Candidates must have a Ph.D., M.D., or equivalent degree and a background in genetics, molecular biology, cell biology, or pharmacology. The position offers opportunities for independent research in a well-equipped multidisciplinary laboratory and in an attractive work environment. Applications with a current curriculum vitae should be sent to: Dr. Mark A. Neckers, Arizona Cancer Center, University of Arizona Health Sciences Center, 1651 North Campbell Avenue, Tucson, AZ 85724-5024. Application review begins March 22, 1996 and remains open until filled. The University of Arizona is an Equal Employment Opportunity/Affirmative Action/Americans with Disabilities Act Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION available immediately for an NCI training program in molecular and cellular mechanisms of carcinogenesis at The University of Texas Southwestern Medical Center at Dallas. Research projects focus on the following areas: DNA repair and mutagenesis, carcinogen metabolism and adduct formation, tumor promotion, role of oncogenes and tumor suppressor genes, and multi-stage carcinogenesis. Applicants must have a Ph.D. or M.D. They are expected to complete a Ph.D. thesis for publication and to present at meetings in the area of multi-stage carcinogenesis. For application information, contact: Dr. Thomas Slaga, Director, University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390. Tel.: 214-648-5106. Email: slaga@helios.tamhsc.edu. Applications should include a curriculum vitae and the names of three references to: Dr. Thomas Slaga, Director, National Cancer Institute/NCI, NIH, Building 10, Room 2N-01, Bethesda, MD 20205. FAX: 301-496-0064. Tel.: 301-496-0037. Email: slaga@helios.nci.nih.gov.

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POSTDOCTORAL POSITION to develop novel adenovirus vectors for immunization and gene therapy. Experience in tissue culture, molecular biology, and immunological assays desired. Send curriculum vitae and the names of three references to: Suresh Mittal, Ph.D., Department of Veterinary Pathobiology, 1290 Lynn Hall, Purdue University, West Lafayette, IN 47907. FAX: 317-494-9830. Women and minority candidates are encouraged to apply. Purdue University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study the molecular mechanisms of homologous recombination reactions. Self-motivated, careful individuals with a background in chemistry or biochemistry are encouraged to apply. Send curriculum vitae and names of three references to: Dr. Kenji Adzuma, The Rockefeller University, Box 256, 1230 York Avenue, New York, NY 10021. Email: adzuma@rockvax.rockefeller.edu. No telephone calls. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study molecular mechanisms of hormone secretion and expression cloning, adenoviral vectors and/or SAGE desirable. Send curriculum vitae to: Dr. L. Darryl Quarles, Becton Dickinson, 27710 Badger Rd., MDQuar01@md.bectondek.com. Equal Opportunity Employer.
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**Tenure-Track Position**

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**Postdoctoral Positions**

**Adeno-Associated Virus**

Robert M. Kotin, PhD

The mechanism of adeno-associated virus (AAV) targeted integration is being studied. This process of non-homologous recombination is dependent on the activities of both viral and cellular proteins, the non-structural proteins of AAV and cell polymerase complex. Other areas of research include: effects of Rep on the cell, recombinant AAV and non-viral gene transfer technologies. Applicants should have a strong background in molecular biology and must have less than five years of postdoctoral experience. Molecular Hematology Branch (OE-115), NHLBI, Building 10, Room 7D18, 10 CENTER DR MSC 1654, BETHESDA MD 20892-1654.

**ATM Function in Cell Cycle Checkpoints and Senescence**

Richard Paules, PhD/Cynthia Afsahi, PhD

Signal transduction mechanisms regulating cell cycle checkpoints and cellular senescence are being investigated, focusing particularly on the role of the ataxia telangiectasia mutated (ATM) gene product. Studies focus on the regulation of certain cyclin/cyclin-dependent kinase complexes in response to DNA damage following exposure to selective environmental carcinogens and in response to the normal aging process. Applicants should have experience in molecular biology, cell biology, or biochemistry and must have less than five years of postdoctoral experience. Laboratory of Environmental Carcinogenesis and Mutagenesis (OE-115), NIEHS, P.O. Box 12233, Mail Drop C1-09, Research Triangle Park, NC 27709.

**Molecular and Cellular Toxicology**

Lance R. Pohl, PhD

The molecular and cellular basis of toxicities caused by reactive metabolites of endogenous molecules and drugs are being examined. Current studies involve the elucidation of both immune and non-immune-mediated mechanisms of toxicity caused by chemically altered cellular products. Each problem is approached using modern techniques of chemistry, biochemistry, immunology, cell biology, and molecular biology. Applicants must have less than five years of postdoctoral experience. Laboratory of Molecular Immunology (OE-115), NHLBI, Building 10, Room 8N110, 10 CENTER DR MSC 1760, BETHESDA MD 20892-1760 or e-mail: pohl@wgwate.ncbi.nlm.nih.gov.

**Molecular Biology and Fatty Acid Biochemistry**

Darryl C. Zeldin, MD

Novel human cytochrome P450 enzymes that metabolize fatty acids are cloned and expressed, and the catalytic properties of the recombinant, purified proteins are evaluated by HPLC. Regulation of gene expression is studied using Northern analysis, RT-PCR, protein immunoblotting, immunohistochemistry and in situ hybridization. Applicants should have a strong background in cell and molecular biology and must have less than five years of postdoctoral experience. Laboratory of Pulmonary Pathobiology (OE-115), NIEHS, P.O. Box 12233, Mail Drop D2-01, Research Triangle Park, NC 27790.

**Molecular Carcinogenesis and Papillomaviruses**

Joseph A. DiPaolo, PhD

In vivo and in vitro models are available to study multistage cervical carcinogenesis and human papillomaviruses. Areas of interest are the molecular control of differentiation and cytokerin gene expression, molecular cytogenetics, therapy using targeted ribozymes, and immunological intervention. Applicants must have less than five years of postdoctoral experience. Laboratory of Biology (OE-115), NCI, Building 37, Room 2A19, 37 CONVENT DR MSC 4255, BETHESDA MD 20892-4255 or see www.nci.nih.gov/intra/biology/bgpage.htm.

**Molecular Genetics of Gene Targeting**

Brian Sauer, PhD

Transgenic animal models using both standard and ES cell gene targeting are being used to study chromosomal position effects on developmental gene expression and DNA recombination. Genetic switches for lineage marking and selective gene ablation using site-specific DNA recombination are also being developed. Applicants must have a strong background in molecular biology, genetics and mammalian cell biology, and less than five years of postdoctoral experience. Laboratory of Biochemistry and Metabolism (OE-115), NIDDK, Building 10, Room 9B15, 10 CENTER DR MSC 1800, BETHESDA MD 20892-1800.

**Ion Channel Physiology and Modulation**

Jerrel L. Yakei, PhD

Ligand-gated (serotonin 5-HT, and glutamate) and voltage-gated calcium channels are studied in neurons and cell lines, as well as channels expressed in mammalian cells or Xenopus oocytes. Structure-function aspects of these channels are investigated, as well as how intracellular signal transduction pathways modulate the physiological properties of these channels. Applicants must have electrophysiological (preferably patch-clamp) experience and less than five years of postdoctoral experience. Laboratory of Cellular and Molecular Pharmacology (OE-115), NIEHS, P.O. Box 12233, Mail Drop 19-04, Research Triangle Park, NC 27709.

**Regulation of Nitric Oxide Synthase by Insulin**

Michael J. Quon, MD, PhD

Molecular mechanisms of insulin-stimulated production of nitric oxide in vascular endothelial cells are being elucidated. A position is available to study the regulation of nitric oxide synthase by insulin. Insights from these studies will be used to investigate the relationship between insulin resistance and hypertension at a molecular level. Strong background in molecular biology and/or cell biology preferred. Applicants must have less than five years of postdoctoral experience. Hypertension Endocrine Branch (OE-115), NHLBI, Building 10, Room 8C-103, 10 CENTER DR MSC 1754, BETHESDA MD 20892-1754.

**Additional Information**

An electronic version of the Postdoctoral Research Fellowship Opportunities catalog is accessed via the Internet using either the Gopher Information System (goopher.nih.gov) or the World Wide Web (URL: http://www.nih.gov). When connected with Gopher, select Grants and Research Information and then NIH Office of Education. When connected with WWW, select Grants and Contracts and then NIH Office of Education. If you have further questions, please contact the NIH Office of Science Education, Building 10, Room 1C129, 10 CENTER DR MSC 1156, BETHESDA MD 20892-1158, Phone 301-496-2427, Fax 301-402-4843.

**To Apply**

If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (MD, DO, DDS, DMD or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
POSTDOCTORAL POSITIONS
Structural Basis of Neurobiology

POSTDOCTORAL POSITIONS are available on a training grant in Neurobiology based in the Department of Anatomy and Neurobiology at Boston University School of Medicine. Training, in a highly interactive research environment, is designed to strengthen the trainee's knowledge of the structural and functional organization of the nervous system. Training is carried out under the direction of one of the eighteen participating faculty members, who have a wide range of interests. Fellowships are only available to United States citizens and permanent residents. For further information please contact: Dr. Alan Peters, Department of Anatomy and Neurobiology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118. Telephone: 617-638-4200. FAX: 617-638-4216. Boston University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study the role of synaptic activity and trophic factors in regulating the molecular phenotype of neurons during development. Transgenic animals and tissue culture models will be employed. Applicants should have extensive experience with molecular biology techniques such as in situ hybridization, PCR, and quantitative analysis of mRNA levels using in situ hybridization and RT-PCR (Robert Kalb, Department of Neurology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520. Yale University is an Equal Opportunity Employer).

POSTDOCTORAL POSITION available for development of recombinant baculovirus insecticides. Research will include genetic engineering and whole organism biology. Molecular experience preferred. Background in entomology/ectology desirable. Send letter of application, curriculum vitae, and names, telephone numbers, mailing and email addresses for three letters of reference to: Dr. David M. Heath, Department of Entomology, Iowa State University, 411 Science II, Ames, IA 50011-3222. Application deadline is 30 April 1996. Iowa State University is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply.

POSTDOCTORAL RESEARCH TRAINEEHIPS IN THE CARDIOVASCULAR SCIENCES

The Cardiovascular-Renal Center of the University of Tennessee, Memphis, announces the availability of RESEARCH TRAINEEHIPS in the cardiovascular sciences. Basic science training in the areas of molecular, cellular, and integrative aspects of the cardiovascular system. Applicants must have a doctoral degree and must be citizens or permanent residents of the United States. For information contact: Edward Share, Director, Cardiovascular-Renal Center, 904 Union Avenue, University of Tennessee, Memphis, TN 38163. The University of Tennessee is an Equal Opportunity/Affirmative Action/Title VII and IX/Sex/Section 504/ADA Employer. Minorities and women are encouraged to apply.

POSTDOCTORAL FELLOWSHIP position at Harvard Medical School. Applications are invited for the position of research associate to conduct work on NIH funded studies of the role of microglial receptors in atherosclerosis and immune function. Qualified applicants will possess a Ph.D. degree and relevant experience in molecular and/or cellular biology. Prior work with transgenic and knock out mice is highly desirable. The term of the fellowship is two years, with the possibility of extension. Applicants should have a strong research background. Project supervisors are the name of their current preceptor, as that of at least one other person familiar with their research, to: Mason Freeman, Department of Medicine, Massachusetts General Hospital, Boston, MA 02114.

POSTDOCTORAL FELLOWSHIP Washington University School of Medicine

Position available immediately as part of an NIH Train Grant to study human molecular genetics. Emphasis will be on complex genetic traits and technology development. Ph.D. or M.D. of clinical research training. Analysis of molecular, biochemical, and computational techniques desirable. Applications to: Pui-Yan Kwok, M.D., Ph.D., 660 South Euclid Avenue, Box 8123, St. Louis, MO 63110. NIH Training Grant requires U.S. citizenship or permanent residence.

ORGANOGENESIS INC.

POSTDOCTORALS

POSTDOCTORAL POSITION is available to study the behavior of epidermal stem cells in organotypic culture and in mouse skin grafts. Applicant must have expertise in mammalian cell culture and gene transfer techniques. Job Code PD1.

A second postdoctoral position is available to work on a project aimed at determining the role of inflammation and remodeling of tissue engineered skin grafts. Applicant should have experience in cellular immunology and/or wound healing expertise in molecular biology, immunohistochemistry, and transgenic mice. Job Code PD2. Interested candidates may forward resumes to: Human Resources, Organogenesis Inc., 150 Dan Road, Canton, MA 02021.

DUKE UNIVERSITY WETLAND CENTER

Three postdoctoral positions available immediately to study (1) P cycling in the Everglades (radioisotope experience preferred); (2) effects of P and hydrology on macrophyte distribution. The candidate will work closely with the Everglades Ecological Study Team. A Ph.D. in environmental science, microbiology, or related field is required. Experience with site-scale and/or laboratory experiments, stressors of ecosystems, and statistical software is desirable. Send curriculum vitae and three references to: Jack West, Duke University Wetland Center, 403C03, Duke University, Durham, NC 27708. Equal Opportunity Employer.

NEUROBIOLOGY OF MUSCARINIC RECEPTOR SUBTYPES

A POSTDOCTORAL FELLOWSHIP is available to study the biological consequences of ligand selectivity and receptor activity from the molecular level to the whole animal. The position is funded from an NIH grant aimed at the development of novel and selective muscarinic agonists/antagonists for pharmacological or therapeutic diseases. A Ph.D. in neuroscience, pharmacology, biochemistry, or related field is required. Experience with signal transduction mechanisms, neurotransmitter pharmacology, and molecular biology is desirable. The position is available on April 1, 1996 with a starting salary of $25,725. Letters of interest and references should be sent to: William Mescher, PhD., Department of Pharmacology and Environmental Health, University of Kentucky, College of Medicine, 800 Rose St., Lexington, KY 40536-0033. The position will be available as early as July 1, 1996, and a competitive salary and benefits package is offered. The University of Kentucky is an Equal Employment Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Immediate position available to fill a POSTDOCTORAL POSITION at Vanderbilt University Medical Center. Areas of investigation will include the molecular biology of cell death in focal glutamate lesions in human T-cell growth, development, and HIV gene expression (PNAS, 92:11259–11263, 1995). Minimum requirements include M.D. and/or Ph.D. degree(s) and significant experience in mammalian tissue culture, gene transfection, DNA sequencing, protein purification, and recombinant DNA techniques. Please send your resume with the names and addresses of three references to: Dean W. Ballard, Ph.D., C/o Julie Morris, Vanderbilt University Medical Center, 802 Light Hall, Nashville, TN 37232-0295. Equal Opportunity Employer.

PLANT MOLECULAR BIOLOGY

POSTDOCTORAL POSITION available immediately to study photoregulatory signal transduction in Arabidopsis. Experience in molecular genetics and/or cell biology is required. Please send curriculum vitae and three letters of reference to: Robert C. Galvao, Ph.D., Director, Plant Science Institute, Department of Biology, University of Pennsylvania, Philadelphia, PA 19104-6018. Send Email responses to: alvarinos@sas.upenn.edu.


ELECTRON MICROSCOPE SERVICE ENGINEER

The University of Kentucky anticipates hiring a SER- VICE ENGINEER to perform routine and emergency repairs on the University’s electron microscopes. The successful candidate should have a minimum of three years of experience in field service of electron-optics instrumentation and expertise in troubleshooting solid state electronic, electromechanical, and mechanical systems. The position involves working independently to solve all instrument failures, and performing field upgrades and troubleshooting other electronic instruments. The position requires a state-of-the-art condition. The successful applicant will work with a consultant with faculty and staff who utilize electron microscopes in six sites including biologically, biological, and medical fields. Send curriculum vitae and three letters of recommendation to: David Watt, VP for Research, University of Kentucky, 201 Gillis Building, Lexington, KY 40536-0033. The position will be available as early as July 1, 1996, and a competitive salary and benefits package is offered. The University of Kentucky is an Equal Employment Opportunity/Affirmative Action Employer.

SCIENCE • VOL. 271 • 15 MARCH 1996
POSTDOCTORAL POSTION IN MOLECULAR NEUROBIOLOGY

This laboratory is interested in identifying molecular events that play a defining role in the processes of neural trauma and neuronal degeneration in the central nervous system. Molecules important for the development and maintenance of the nervous system are being analyzed in the mouse, using modern molecular biology techniques including gene targeting, and yeast two-hybrid analysis. Presently the focus of this work concerns extracellular matrix molecules associated with astrocytes and the response to neural trauma, and also the molecular events that underlie the neuronal degeneration that occurs in the hereditary human syndrome of ataxia telangiectasia.

This postdoctoral position would be ideally suited to someone with a neurobiology background who has recently obtained a Ph.D. and/or MD and would like to pursue training in molecular neurobiology.

Support facilities at this institution are exceptional, and the research environment is highly interactive, both within the Research Hospital and at the nearby UT Medical School. This position should provide an outstanding opportunity for training in the molecular neurosciences.

This position is available immediately, and interested candidates should send a curriculum vitae and three letters of recommendation to Peter McKinnon, Ph.D., Department of Genetics, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITY

North Lauderdale, Memphis, TN 38101

This laboratory is interested in identifying molecular events that play a defining role in the processes of neural trauma and neuronal degeneration in the central nervous system. Molecules important for the development and maintenance of the nervous system are being analyzed in the mouse, using modern molecular biology techniques including gene targeting, and yeast two-hybrid analysis. Presently the focus of this work concerns extracellular matrix molecules associated with astrocytes and the response to neural trauma, and also the molecular events that underlie the neuronal degeneration that occurs in the hereditary human syndrome of ataxia telangiectasia.

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National Cancer Institute
Division of Cancer Epidemiology and Genetics
Bethesda, Maryland
Opening Date: March 25, 1996
Closing Date: April 29, 1996
Announcement Number: CA-96-0004

CHIEF, VIRAL EPIDEMIOLOGY BRANCH

The Division of Cancer Epidemiology and Genetics (DCEG), National Cancer Institute (NCI), National Institutes of Health (NIH), is seeking candidates to fill the position of Chief of the Viral Epidemiology Branch (VEB). Candidates should be internationally recognized for their expertise, leadership, and collaborative capabilities in the area of viral epidemiology.

VEB is one of six intramural research branches within the Epidemiology and Biostatistics Program, DCEG. The Branch conducts studies aimed at identifying the role of RNA and DNA viruses and other infectious agents in the etiology of human cancer and related outcomes (e.g., AIDS). Emphasis is placed on interdisciplinary studies that integrate epidemiological, clinical, and laboratory approaches.

The Chief plans, manages and directs the activities of VEB, utilizing intramural resources, contracts, interagency agreements, and extramural collaborations. He/she designs, implements and analyzes epidemiologic and interdisciplinary studies, employing morbidity, mortality and registry data from national and international sources to generate hypotheses about cancer etiology, with particular emphasis on patterns suggesting an infectious process. Descriptive and analytical studies are undertaken to elucidate: (1) population prevalence and incidence of infectious agents; (2) serologic and immunologic patterns of infection; (3) modes of transmission; (4) host and environmental co-factors affecting transmission, infectivity, and risk of viral-related cancer; and (5) natural history of viral-related cancer.

Candidates must hold a medical or other doctoral-level degree in a relevant scientific field. In addition, candidates must have extensive interdisciplinary research experience using epidemiologic, clinical and laboratory approaches to study the role of viruses and other infectious agents in the etiology of human cancer and related outcomes. In particular, research experience essential to this position includes: (1) conduct of epidemiologic studies to estimate the prevalence and incidence of infectious agents in a population; (2) identification and characterization of cancer risk among infected individuals; (3) clarification of the modifying effects of co-factors affecting transmission, infectivity, and risk of viral-related cancer; and (4) studies of the natural history of viral-related cancer. Candidates must also have satisfactory experience in the administration and management of a research program in viral epidemiology, which includes clinical and laboratory components. Candidates must be a United States citizen.

The salary range is $69,300 to $90,000, plus locality pay, commensurate with education and experience. Qualified physicians who are employed as Medical Officers may be paid a salary range of $78,540 to $99,330 and an additional Physician's Comparability Allowance of up to $20,000 per year.

To obtain information on the application procedures and documents required for consideration for this position, candidates may contact the National Cancer Institute Office of Human Resources and Consulting Branch (301) 402-2789.

To obtain a fax of this information, call 1-800-728-5627 or (301) 594-2953 and enter fax ID# 1819.

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability.

The NIH/NCI is an Equal Opportunity Employer.
The University of Texas M. D. Anderson Cancer Center is launching a major new integrated multidisciplinary program in Prostate Cancer Research in conjunction with the Departments of Urology, Cell Biology, and Genitourinary Medical Oncology. Ample resources of dedicated laboratory space and research personnel and a substantial financial base are being secured for this program. We are seeking scientists for faculty positions to add to our critical contingent of researchers interested in the biology and therapy of human prostate cancer.

- A position at the Professor level for a senior scientist with a record of outstanding achievement in research, extramural funding, administration, and graduate training;
- Two positions at the Assistant or Associate Professor level for scientists with exceptional accomplishments in cancer biology (systemic, cellular, molecular, and biochemical).

Candidates should have a Ph.D. or an M.D. degree with a track record of research in molecular biology and interest in the study of prostate cancer. Applicants should send curriculum vitae, a 1-2 page summary of research activities, and the names of three references to:

Andrew C. von Eschenbach, M.D.
Director of the Prostate Cancer Research Program
Chairman, Department of Urology, Box 110
The University of Texas M.D. Anderson Cancer Center
1515 Holcombe Blvd.
Houston, TX 77030

The University of Texas is an Affirmative Action/Equal Opportunity Employer and encourages minorities and women to apply. Smoke-free environment.

The Center for Drug Evaluation and Research (CDER) announces an opening for the position of Senior Scientist, Office of Review Management. Applications must be received by April 30, 1996. The Senior Scientist (Pharmacology/Toxicology), a staff official unimpeded by responsibility for day-to-day line authority, advises center management, participates in policy formulation, program planning and evaluation; insures that pharmacological/toxicological considerations, as appropriate, are incorporated in all center regulatory and research decisions, policies and activities; chairs the Pharmacology/Toxicology Coordinating Committee; represents the Agency on International Conference on Harmonization committees; conducts research and resolves problems concerned with pharmacology/toxicology issues; provides expert advice and assistance on risk assessment throughout the center; serves on various task forces, committees and seminar groups concerned with his/her areas of expertise and develops and conducts seminars and training programs for center scientists and review staff. This opening is a civil service position in the Senior Biomedical Research Service (SBRS). The SBRS salary range is $67,941 to $148,400. Applicants employed by institutions of higher learning who are appointed to the SBRS have the option of participating in the Federal Employee Retirement System or, subject to certain limitations, continuing to participate in the retirement program of their institution. Applicants must have a doctorate in medicine, veterinary medicine, biomedicine, pharmacology, toxicology or a related field; mastery of scientific principles and methodology applicable to the design and interpretation of pharmacologic, toxicologic and pharmacokinetic studies; and mastery of the drug development/drug review processes, regulatory procedures/requirements and public health concerns. Submit application material to John Anderson, Office of Human Resources and Management Services, Food and Drug Administration, Room 7B-32, HFA-408, Parklawn Building, 5600 Fishers Lane, Rockville, Maryland 20857. For further information contact Mr. Anderson by phone on (301) 443-1755 or by fax on (301) 443-6703.

USDA/ARS IS AN EQUAL OPPORTUNITY EMPLOYER
Clinical Science Manager

Philips Medical Systems is a world leader in the manufacture of medical equipment. We have an immediate opening in our Shelton location for a manager to direct a team of scientists in Magnetic Resonance Imaging (MRI).

If selected, you will be responsible for facilitating the work flow of scientists at major teaching and research hospitals throughout North America. This will involve establishing clear communication channels between North America and the Netherlands; planning and coordinating project review meetings; and coordinating collaborative research between customers and our product development group. You will also develop your subordinates and facilitate their work.

To qualify, you will need an M.S. or Ph.D. in a technical field, 3 to 4 years research experience, and the ability to travel up to 30% of the time. At least 3 to 4 years managerial experience is required.

We offer the opportunity for career development, together with an attractive salary and benefits package. For consideration, please send your resume/letter outlining qualifications and salary history to: Human Resources Manager, Philips Medical Systems N.A., 710 Bridgeport Avenue, Shelton, CT 06484. Principals only. No phone calls please. An Equal Opportunity/Affirmative Action Employer M/F/D/V.

Let's make things better
PHILIPS

Assistant Professor of Biology

York College of the City University of New York seeks an Assistant Professor of Biology to join our Natural Sciences Department.

Primary responsibilities include teaching courses in Molecular Developmental Biology, upgrading lab offerings, and developing research with undergraduates. Other faculty duties to be determined by Program Coordinator. Qualified candidates hold Ph.D. in biology, and preferably have postdoctoral experience. Strong commitment to undergraduate teaching and research required. Opportunity to apply to participate in our NIH funded minority research and training programs.

Salary range is $29,931-$52,213, commensurate with qualifications and experience. If qualified and interested please send letter, resume and three references (Names, addresses, phone numbers) to:

Dr. Cheryl Adams
Chair, Search Committee
York College/CUNY
Department of Natural Sciences (Biology)
Jamaica, New York 11451

EOE M/F/D/V

Postdoctoral Research At The Wistar Institute

The Wistar Institute, an independent research organization located on the University of Pennsylvania campus, currently seeks postdoctoral applicants.

Postdoctoral Researcher 1 – Structural studies on viruses, antibodies and enzymes defective in human genetic diseases. Experience in crystallography or EM image reconstruction Reply to Dr. Roger M. Burnett.

Postdoctoral Researcher 2 – Study the effects of simulated microgravity on growth and differentiation of cultured human vascular cells as well as on cardiovascular development in a murine model system. These projects are part of a NASA-funded Multidisciplinary Program encompassing seven major labs at Wistar and the University of PA. Reply to Dr. Elliot Levine.

Postdoctoral Researcher 3 – Function of TFIIA and TFIIID recruitment by activators that disrupt viral latency. Reply to Dr. Paul Lieberman.


Postdoctoral Researcher 5 – Research focuses on identifying physiological roles of Src tyrosine kinases using gene knockouts in mice. Current interests include T cells, brain, and skin. Reply to Dr. Paul Stein.

Interested applicants are requested to send a C.V. and three references to the appropriate faculty member’s attention: The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104. Equal Opportunity Employer. Minority candidates are strongly encouraged to apply.

The National Institutes of Health
National Center for Human Genome Research

The Intramural program of the National Center for Human Genome Research (NCHGR), the National Institutes of Health (NIH), Bethesda, Maryland, is now in operation. Scientists with a unique range of expertise and interests have been recruited to focus on the identification, localization, diagnosis, and treatment of human genetic disease.

We are actively recruiting a tenure-track scientist in the field of

Human and Murine Molecular Cytogenetics

for a position within the Diagnostic Development Branch. The successful applicant will be provided with the space and resources needed to pursue an independent research program in identifying chromosomal aberrations in human and murine solid tumors.

Candidates must have a Ph.D. and/or M.D. as well as advanced training in genome science, including demonstrable expertise in multicolor Fluorescence In Situ Hybridization (FISH) and comparative genomic hybridization, as well as digital imaging and confocal laser scanning microscopy.

Salary range $54,000 - $80,000 and benefit packages are available. Please forward curriculum vitae to:

Molecular Cytogenetics Search Committee
NIH/NCHGR
Building 9 Rm. 1N105
9 Memorial Drive, MSC-0940
Bethesda, MD 20892-0940

Closing Date: April 15, 1996

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

NATIONAL INSTITUTES OF HEALTH

OPPORTUNITYEMPLOYER

THE WISTAR INSTITUTE

19104
Ribozyme Pharmaceuticals Inc., a leader in the development of ribozyme-based products for pharmaceutical and agricultural applications, is currently seeking an experienced scientist to join our Drug Delivery Group at our state-of-the-art facility in Boulder, Colorado:

**SCIENTIST**

A Ph.D.-level Scientist is desired with 2-5 years of postgraduate experience in the area of nucleic acid delivery. Hands-on experience in formulations development is required, with an emphasis on biophysical analysis. Preference will be given to candidates with experience in lipid- and/or polymer-based carriers, receptor-mediated targeting strategies, and sustained-release delivery systems. A solid understanding of the principles involved in cellular uptake and biodistribution is essential. This position requires an ability to draw correlations between biophysical, biodistribution, and bioactivity studies using cell culture and animal models.

We offer a competitive salary and benefits package, including a stock option plan. For consideration, please refer to Job# 098-SM, send a Curriculum Vitae, and the names of three references to: Ribozyme Pharmaceuticals, Inc., 2930 Wilderness Place, Boulder, CO 80301. FAX (303) 449-6995. No phone calls accepted. We are an equal opportunity employer.

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**SENIOR PROGRAM ASSOCIATE**

The American Association for the Advancement of Science is seeking a Senior Program Associate for a new program, "Dialogue Between Science and Religion." Responsibilities: plan and organize program activities in collaboration with Program Directors, including helping to develop agendas, identifying speakers and preparing materials for workshops, training seminars, and other meeting activities; initiate and conduct research and study projects; prepare proposals and formulate budgets for external funding; research, write, edit, and engage in production of Program publications and other dissemination tools; prepare project reports for publications or presentations; stay informed about issues related to the work of the Program and participate in liaison activities with key groups and organizations; assign and monitor work of junior staff as necessary. This Is A Full-Time Regular Position For An Initial Period Of One Year (Renewable After One Year). Position requires extensive university or college level training leading to a Bachelor's degree; graduate training in the field of science or religion preferred, with knowledge of the other field of study as well; five to seven years related work experience in progressively responsible positions and experience in conducting research in program development and management; excellent written and verbal communication skills; good analytical skills and ability to work effectively in multi-disciplinary collaborations; demonstrated knowledge of Program issues; ability to handle multiple priorities and projects; ability to monitor activities of support staff and volunteers. Interested applicants may send résumé and cover letter with salary requirements to the American Association for the Advancement of Science (AAAS), Human Resources Department, 1333 H Street, NW #125-SPA 014, Washington, DC 20005. EOE. Non-smoking work environment.

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**MOLECULAR BIOLOGIST**

The Laboratory of Biochemistry, National Cancer Institute, National Institutes of Health, seeks an outstanding molecular biologist to carry out studies on energy-dependent processes of nucleosome disruption. The position requires a Ph.D. or equivalent in the area of transcriptional regulation, and a minimum of 3 years of post-doctoral training in the area of chromatin structure and gene regulation. Candidates must have expertise in molecular cloning and protein biochemistry, and research experience in biochemical methods for chromatin assembly and nucleosome disruption in vitro. Experience in purifying ATP-dependent biochemical activities from Drosophila that affect nucleosome integrity is also essential. Research experience should be demonstrated by a track record of quality publications. Salary ranges between $31,000 and $41,000 depending on experience. United States citizenship or permanent residency is required for this position.

To apply, please send curriculum vitae, reprints, description of research experience, and a list of references within 30 days of publication to:

Beverly Miller, Laboratory of Biochemistry, National Cancer Institute
National Institutes of Health
Bldg. 37, Room 4E-28
37 Convent Drive, MSC 4255
Bethesda, MD 20892-4255

NIH/NCI is an Equal Opportunity Employer. Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, national origin, politics, marital status, physical or mental disability, age, sexual orientation or membership or non-membership in an employee organization.
**TIGR Science Education Foundation**

**GENOMIC SCIENCE SERIES**

**CONFERENCE ON GENE THERAPY**

Hyatt Regency Hilton Head • Hilton Head SC • May 9-12, 1996

Conference Co-chairs: James M. Wilson, M.D., Ph.D., University of Pennsylvania
Indre Verma, Ph.D., Salk Institute

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<tr>
<th>Date</th>
<th>Time</th>
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<tr>
<td><strong>Thursday, May 9, 1996</strong></td>
<td>2:00 pm</td>
<td>Registration opens</td>
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<td></td>
<td>5:30 pm</td>
<td>Cash bar reception</td>
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<td>6:00 pm</td>
<td>Dinner</td>
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<td>7:00 pm</td>
<td>Keynote Address: Harold Varmus, Director, National Institutes of Health</td>
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<td>8:00 pm</td>
<td>Keynote Address: David G. Nathan, President, Dana-Farber Cancer Institute</td>
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<td><strong>12:30 pm</strong> Lunch</td>
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<td><strong>1:30 pm</strong> Posters</td>
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<td><strong>4:00 pm</strong> Exhibits</td>
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<td><strong>Friday, May 10, 1996</strong></td>
<td>8:30 am -</td>
<td><strong>Plenary Session: Adenoviruses</strong> Chair: Marshall S. Horwitz, Albert Einstein College of Medicine</td>
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<td>Noon</td>
<td>2:30 pm</td>
<td>Plenary Session: Integrating Viruses Chair: Stephen P. Goff, Columbia University</td>
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<td>Noon</td>
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<td>Dinner</td>
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<td>7:00 pm</td>
<td>Plenary Session: Central Nervous System / Muscle</td>
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<td>10:00 pm</td>
<td>Chair: Robert Martuza, Georgetown University Medical Center</td>
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<td>- Joseph C. Glorioso, University of Pittsburgh</td>
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<td>- Helen M. Blau, Stanford University School of Medicine</td>
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<td>- Axel Kahn, INSERM</td>
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<td>- Leslie Leinwand, University of Colorado, Boulder</td>
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<tr>
<td><strong>Saturday, May 11, 1996</strong></td>
<td>8:30 am -</td>
<td><strong>Plenary Session: Nonviral Vectors</strong> Chair: Max L. Birmstiel, Research Institute of Molecular Pathology</td>
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<td>Noon</td>
<td>10:00 am</td>
<td>Plenary Session: Cancer</td>
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<td>10:30 am</td>
<td>Chair: Richard Mulligan, Massachusetts Institute of Technology</td>
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<td>12:30 pm</td>
<td>- Malcolm K. Brenner, St. Jude Children’s Research Hospital</td>
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<td>- Savio L. C. Woo, Baylor College of Medicine</td>
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<td>- Elizabeth M. Jaffe, Johns Hopkins University School of Medicine</td>
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<td><strong>4:00 pm</strong> - Plenary Session: Hematopoiesis and Stem Cells Chair: David G. Nathan, Dana-Farber Cancer Institute</td>
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<td><strong>6:00 pm</strong> - Plenary Session: Vascular Chair: Russell Ross, University of Washington School of Medicine</td>
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<td>- Elizabeth G. Nabel, University of Michigan School of Medicine</td>
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<td>- Jeffrey M. Leiden, University of Chicago</td>
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<td>- Victor J. Dzau, Stanford University School of Medicine</td>
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<td>- David A. Dichek, Gladstone Institute for Cardiovascular Diseases</td>
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<td>- Flossie Wong-Staal, University of California, San Diego</td>
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To register or to receive additional information contact:
Conference Office, 9712 Medical Center Drive
Rockville, MD 20850-3319
301-838-3515 or -3509 ● 301-838-0299 FAX ● therapy@tigr.org
and look for updated information on the world wide web http://www.tigr.org
We seek a dedicated biochemist with a strong background in the purification and characterisation of proteins to join a team that employs biophysical, biochemical and molecular biology techniques (e.g. enzyme kinetics, X-ray crystallography, single-molecule fluorescence light microscopy techniques, site-directed mutagenesis, gene targeting) to study the functional behaviour and the regulation of molecular motors in vitro and in vivo.

Please indicate our reference number 5/1996.

Applications, including a full CV and the names of three referees, should be submitted to Dr. D.J. Manstein, Dept. of Biophysics, Max-Planck-Institute for Medical Research, Postfach 10 38 20, 69028 Heidelberg, Germany (email: manstein@mpifr-heidelberg.mpg.de) not later than Friday 12th April.

Handicapped applicants will be given priority, equal qualifications provided.

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**THE UNIVERSITY OF THE WEST INDIES**

**Senior Lecturer/Lecturer in Electronics**

Department of Physics

Applications are invited from suitably qualified persons for the post of Senior Lecturer/Lecturer in Electronics, Department of Physics. The successful applicant will be expected to participate fully in the Department’s teaching and research activities.

Duties to be assumed as soon as possible.

**Competitive Compensation Package**

Detailed applications (two copies) giving full particulars of qualifications and experience, date of birth, marital status, and the names and addresses of three referees should be sent to the Campus Registrar (Attention: Senior Assistant Registrar, Appointments), The University of the West Indies, Mona, Kingston 7, Jamaica. Further particulars are available from the same source or from Appointments (44804), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0FF (tel 0171 387 8572 Ext. 206; fax 0171 813 3055; email appts@acu.ac.uk), to whom candidates in the UK should also send one copy of their application.

In order to expedite the appointment procedure, applicants are advised to ask their referees to send confidential reports direct to the University without waiting to be contacted.

The final date for receipt of applications is 30 April 1996.

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**European Synchrotron Radiation Facility**

**Beamline Scientist (m/f) for the Spanish CRG**

**The function**
Designing, planning, preparing the detailed care for and eventually building and exploiting a general purpose beamline to be installed on a bending magnet. The beamline will consist of a double crystal monochromator, focusing mirror optics and several end stations. It is planned to build one end station for general purpose diffraction experiments and another for absorption experiments and/or biology. Once the beamline is operational there will be three main activities: assistance to external users in helping set up the experiments, maintenance and further development of the beamline, scientific research in the fields of interest of the beamline scientist.

**Qualifications and experience**
A PhD in Physics, Engineering or a related field. Substantial experience in x-ray instrumentation and experimentation is mandatory. The successful candidate will have already carried out and published a significant amount of research work. Further, knowledge of C, UNIX, etc., will be an advantage. A good knowledge of English is essential and knowledge of the French and Spanish languages is desirable.

**Our offer**
The working place will be at the ESRF in Grenoble, France. This is a 3-year contract, which, if the CRG beamline is approved and built, will normally be extended to five years. The candidate will be legally employed by the ESRF, on the behalf of the CRG. Staff coming from outside the Grenoble area benefit from installation and adaptation allowances, and non-French staff also benefit from an adaptation allowance in accordance with specific ESRF regulations. The planned starting date of the contract is Spring 1996. If you are interested, please send a copy of your CV and two letters of recommendation to: Belén López, Head of Multilayer Service, ESRF, 38043 Grenoble, France. Tel.: 07-34-336 05 75, e-mail: belen@esrf.fr.

The ESRF is presently recruiting several Beamline Scientists and Post-doctoral Fellows, please find our vacancies on the WWW (http://www.esrf.fr) or call +33 76 76 20 19 for further information. Deadline for this offer 31.03.1996.
In May 1995, we filed for U.S. regulatory approval of a new treatment for multiple sclerosis. We are now in the process of building the infrastructure and capabilities we will need to commercialize this drug, which is our first proprietary product. Our record of success to date is based on the hard work and dedication of our employees. We are now seeking a select number of committed professionals with strong values to join the Biogen team.

**Group Leader - QC Technical Services**

As a key member of our QC Technical Services department, you will lead and manage a group of scientists engaged in analytical technology R&D which supports the development of biopharmaceuticals. In this leadership role, your specific responsibilities will entail participation in product development activities; management of analytical method development and validation; interfacing with our research, process development, quality control and regulatory department staff, as well as project teams; preparation of chemistry and control sections for INDs and PIs. To succeed in this highly visible position, candidates must have a PhD in Analytical Chemistry or Biochemistry and a minimum of 7 years' biopharmaceuticals development experience, including 2 years in a supervisory capacity. Strong interpersonal, communication and project management skills are essential, as is expertise with technology transfer and quality control environments. A hands-on working knowledge of FDA regulations for biologics, GMPs, GLPs, and writing chemistry and control for regulatory submissions also required.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to the address below.

For immediate consideration, we encourage all interested and qualified candidates to forward/fax CVs at your earliest convenience.

Biogen, Inc., Dept. JT, 14 Cambridge Center, Cambridge, MA 02142, FAX: (617) 679-2546

Biogen is an Equal Opportunity Employer
http://www.careermosaic.com/cm/biogen

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**TECHNICAL DIRECTOR**

**SKIN CARE RESEARCH**

HILL TOP RESEARCH, INC., worldwide leader in consumer product clinical and laboratory testing has a leadership opportunity as Technical Director of Skin Care Research. This position will be responsible for the direction of safety and efficacy testing technology and will serve as liaison to both clients and trade/regulatory agencies.

Qualified candidates will possess an advanced degree in a biological area preferably in skin science and possess demonstrated experience in the following areas:

- Strong communication and implementation skills in developing and maintaining client relations
- Technical and managerial skills in areas of claim substantiation including bioinstrumentation
- Minimum 7 years of clinical research experience in a contract lab, university or related industry
- Publication and presntational ability

This position offers leadership and growth potential coupled with a competitive compensation package. For consideration please send resume/CV and salary history in confidence to Dr. Darlene Valley, Hill Top Companies, Inc., P.O. Box 429561, Cincinnati, OH 45242 or fax (513) 831-1217. No phone calls please.

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**CHALLENGING THE BIG PROBLEMS WITH GREAT SCIENCE**

Agouron Pharmaceuticals, Inc. is a recognized pioneer and leader in the field of protein structure-based drug design and development. We are headquartered in La Jolla, a flourishing center for scientific research located on the southern coast of California. The following opportunities are currently available:

**PhD Biochemist**

**COMBINATORIAL CHEMISTRY ASSAY DEVELOPMENT AND SCREENING**

Selected candidate will support our combinatorial chemistry program in the area of new assay development and library screening; and work with chemists and biochemists to facilitate efforts in lead identification from chemical libraries. The position requires demonstrated experience in the analysis of activity from mixtures of organic compounds and in state-of-the-art enzyme assay methods. Experience with high throughput screening and/or the assay of combinatorial library pools is desirable. Qualified candidates will have a PhD and at least two years' postdoctoral experience developing and validating a broad range of biochemical assays for screening, along with a record of research accomplishment. Code: BC

**Clinical Pharmacokineticians**

Selected candidates will support our clinical research group; provide pharmacokinetic and pharmacodynamic support in all phases of clinical drug development for our antiviral and anticancer compounds; and perform study design and protocol writing, data analysis, report writing and assembly of pharmacokinetic sections for New Drug Applications. Qualified candidates will have a PharmD or PhD in pharmacological sciences with an emphasis on training in pharmacokinetics. Prior experience will ideally include two or more years' experience in a clinical research or similar environment. Code: CP

We offer competitive salaries and benefits. Please send a resume to: Human Resources, Agouron Pharmaceuticals, Inc., Code: (see above), 10350 N. Torrey Pines Road, Suite 100, La Jolla, CA 92037; fax: (619) 622-3297; e-mail: jobs@agouron.com. EOE.
INJURY → INFLAMMATION → FIBROSIS

FIBROGEN, INC. is dedicated to the creation and development of novel therapeutics and biomaterials based on connective tissue biology, we have two major development platforms: anti-fibrotics and production of recombinant human collagen.

We need to add the following capabilities to our rapidly growing worldwide team of scientists.

GROUP LEADER (Ph.D./M.D. MOLECULAR BIOLOGY). Experienced molecular biologist, for the cloning and expression of major connective tissue components, cytokines; experience with different expression systems.

SCIENTIST (Ph.D. + in MOLECULAR BIO/BIOMED). Experience in recombinant DNA sequencing and isolation; expression of recombinant proteins.

BIOLOGIST (Ph.D.). Experience with the molecular and cellular aspects of fibrosis, animal models, cell matrix interactions, extracellular matrix and/or protein expression.

SCIENTIST (Ph.D. TISSUE CULTURE/RECOMBINANT PROTEIN PRODUCTION). Experience with biomarkers; multiple expression systems, and GMP production.

RESEARCH ASSOCIATE (MS+ in BIOCHEM) COLLAGEN BIOMATERIALS. Characterization of proteins (collagen); experience in protein biochem.

DIRECTOR RESEARCH OPERATIONS (Ph.D. in BIOLOGY, BIOCHEMISTRY & MOLECULAR BIOLOGY RELEVANT to CONNECTIVE TISSUE). Supervise the activities of the scientific teams. Ability to directly carry out a relevant development project.

VICE PRESIDENT, BUSINESS DEVELOPMENT (Ph.D./MBA). In addition to the above positions, we also seek a high level professional to conduct business transactions and external research collaborations. Prior experience in corporate pre-clinical and clinical development as well as licensing of products.

If you enjoy the challenge of a start-up and thrive in a world of fast class science and scientists, send your CV to: FibroGen, Inc., 772 Lucerne Drive, Sunnyvale, CA 94086 or fax to: (408) 720-7212. EOE.

FIBROGEN
**RENAL PHARMACOLOGY**

**Investigator - Temporary**

SmithKline Beecham, a worldwide leader in pharmaceutical research, has an excellent long-term temporary opportunity in our Renal Pharmacology department for an Investigator with a good understanding of molecular biology techniques and a special emphasis on transcription regulation/factors.

While working in a very interactive and collaborative environment, the successful candidate will work with basic research scientists in areas such as renal failure, tissue remodeling and matrix production.

Qualified individuals will have a PhD in Biological Sciences, at least one full term of post doctoral fellowship and 3-5 years' experience in an academic or pharmaceutical research organization. Strong experience in gene cloning, cell biology, in situ hybridization and immunocytochemistry are important. A strong track record of publication in high-quality peer-reviewed professional journals is mandatory.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package. For confidential consideration, please forward your resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code H6-0098, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

**SmithKline Beecham Pharmaceuticals**

Challenging the natural limits.

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**BIOINFORMATICS AT GENENTECH**

Genentech is looking for highly motivated, experienced individuals to work closely with scientists in our research labs to design, implement and support sequence applications and databases. We currently maintain an in-house database and suite of analysis tools and future plans include the application of Internet-based technologies, parallel programming and object-relational databases. To support our current activity as well as this growth, we are seeking candidates for the following positions.

**Senior Level Biologist**

You will manage a growing group of Bioinformatics staff and should be familiar with the latest technologies and techniques for sequencing, sequence databases, and sequence analysis. An advanced degree and management or supervisory experience are also required. Job Code: VSDS1

**Programmers**

We seek three Programmers to develop and maintain applications and databases used to analyze and manage molecular sequences. These positions require demonstrated ability to develop and support applications in C, experience with relational database systems, and a strong understanding of the underlying biological sciences (molecular biology, protein chemistry). BS or MS in Computer Science, Computational Biology, Bioinformatics or equivalent professional experience is also required. Job Code: VSDS2

**Technician**

You will develop and maintain lab automation systems for our sequencing labs. This position requires experience with lab robots and sequencers and a BS or MS in Computer Science, Computational Biology, Bioinformatics, or equivalent professional experience. Job Code: VSDS3

Genentech is a leading biotechnology company located in the attractive San Francisco Bay Area. Join us and enjoy our state-of-the-art computational facilities, progressive culture, exciting success and excellent benefit package that includes fully-paid medical/dental/vision coverage, free health club membership, 401(k), Company stock purchase opportunities. For immediate consideration, send your resume to Genentech, Inc., Human Resources Dept., indicating appropriate job code (VSDSx), 460 Pt. San Bruno Blvd., South San Francisco, CA 94080 or e-mail it including Dept. code to jobs@gene.com.

Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.

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**WE RELY ON THE Commitment Of Our Colleagues.**

We've become an internationally respected company by being there first — developing the products that make a significant impact on health care services worldwide. And as a member of the Abbott team, you'll be backed by the resources of a global leader. If you share our commitment to quality in all that you do, explore this professional opportunity with Abbott Laboratories.

**Postdoctoral Fellow**

This is a unique opportunity to use your computer programming skills to support in-depth structural biology research. Utilizing an UNIX workstation environment, you will apply client server techniques to the support of commercial and other third party application systems. This includes developing new algorithms and systems, as well as applying software to modeling studies in the investigation of protein-ligand complexes.

The ideal candidate will have a Ph.D. in Chemistry, Computational Chemistry or equivalent with 4+ years experience in application programming for the sciences, as well as supporting scientific computations. A minimum of 3 years experience in computational chemistry or physics, along with excellent communication skills essential.

With 50,000 employees worldwide and more than $10 billion in annual sales, we've established ourselves as a respected global business and innovative leader in the changing health care industry. For consideration, please forward your resume and salary history to: Abbott Laboratories, Job # 96-LHD-0563, D563, A66B.

100 Abbott Park Rd.
Abbott Park, IL 60064.
Abbott is an Affirmative Action Employer/Smoke-Free Environment.
**Scientist - Human Molecular Genetics**

Work with a team of scientists developing FISH (Fluorescence In Situ Hybridization) probe products for cancer and other genetic diseases. A Ph.D. with 2-5 years experience in human molecular genetics/biology is required. Candidates should have a good knowledge of human genetics and cancer and be skilled in the use of molecular techniques and genetic databases. The successful candidate must enjoy working at the bench as a team member to develop diagnostic products.

**Assay Research Scientists**

We are looking for two creative and highly motivated Ph.D. bench scientists, with 2-5 years post graduate experience in Biochemistry, Biophysics, or Molecular Biology, to devise and develop rapid, highly sensitive molecular diagnostic assays for genetic disease. One scientist will concentrate on the prenatal testing of fetal cells, and will require expertise in immunohistochemistry and in situ hybridization. The other scientist will concentrate on multi-analyte analysis of single cells and will require expertise in fluorescence spectroscopy, nucleic acid labeling, development, and DNA/RNA hybridization. Experience with amplification technologies, high sensitivity detection methodologies, enzymology, immunoassays, and DNA assays is desirable.

**Molecular Biologist**

A position is available for a scientist with a high level of expertise in basic molecular biological techniques, including cloning and DNA sequencing. Experience with a nucleic acid amplification technology would be advantageous. The work involves intense and diverse activities directed at the generation of novel assay methods based on RNA amplification by Q-beta replicase. The ability to reliably carry out experimental manipulations and work with a high level of attention to detail is essential. A bachelor's or master's degree in molecular biology, microbiology, or biochemistry is required.

**Technical Services Representative**

We have an excellent opportunity available for an individual with a bachelor's degree in Biological Sciences with 2 years of lab experience in cytogenetics and/or molecular biology. Experience in in situ hybridization methods required; experience in lab supervision or technical support services highly desirable. Strong verbal and written communication skills, and computer skills, are essential as you provide technical support and assistance to customers regarding the use of our instrument and reagent products. You'll interface with field sales personnel and customers, provide phone support, and spend approximately 30% of your time in the field troubleshooting technical inquiries and problems.

**Research Associates**

Candidates should have a B.S. or M.S. in Biology, Molecular Biology, Microbiology, Biochemistry or related science. Two years of lab experience in the areas of Cytotechnology, Pathology, maintaining bacterial cell cultures, DNA extraction, labeling, hybridization, blotting, PCR, in situ hybridization assays, immuno and enzyme assays and fluorescent microscopy preferred.

Respond by submitting a cover letter, curriculum vitae and salary history to the following address:

Vysis, Inc.
Human Resources Director
3100 Woodcreek Drive
Downers Grove, Illinois 60515
or fax to:
(708) 271-7008
Equal Opportunity Employer M/F/D/V
THE SALK INSTITUTE
LABORATORY OF GENETICS

We invite applications for two Assistant Professor positions in the areas of gene transfer and stem cell biology. The application should include curriculum vitae, four references, a brief statement of current scientific research and an outline of future scientific directions. The Salk Institute offers a very interactive environment between research groups working in the areas of signal transduction, neurobiology, gene expression, cancer, endocrinology and higher brain functions.

Applications should be sent by June 1, 1996 directly to:

F.H. Gage or Inder M. Verma (Co-Chairs),
Search Committee,
Laboratory of Genetics,
The Salk Institute,
P.O. Box 85800,
San Diego, CA 92186-5800

THE SALK INSTITUTE IS AN
AFFIRMATIVE ACTION EMPLOYER.

Pharmacologist/Toxicologist
Cortex Pharmaceuticals, Inc., an Orange County-based neuroscience company, is seeking an experienced Pharmacologist/Toxicologist to assist in the ongoing development of its AMPAKINET™ family of compounds for the treatment of neurological and psychiatric disorders. Successful candidate will have an MS/PhD degree from a recognized institution and will have 5 to 8 years of industrial experience.

Medicinal Chemist
The successful candidate will be responsible for the optimization and scale-up of synthetic routes for compounds in preclinical/clinical studies. Applicant will have a BS/MS in chemistry or chemical engineering, 2+ years of experience in an industrial setting, and the ability to execute multistep synthetic sequences with minimal supervision. Candidates must have experience in purification techniques such as column chromatography, HPLC, and recrystallization, as well as working knowledge of NMR and IR.

Interested applicants should send a resume (no phone calls please) to Dr. Gary Rogers, Vice President of Pharmaceutical Discovery, Cortex Pharmaceuticals, Inc., 15241 Barranca Parkway, Irvine, California, 92718.

The Erwin Plein Nemmers Prize in Economics
The Fredric Esser Nemmers Prize in Mathematics
$100,000 Awards Presented by Northwestern University

Northwestern University is pleased to announce the recipients of the second Nemmers Prizes for outstanding achievement in economics and mathematics:

Thomas J. Sargent
The University of Chicago
and the Hoover Institution
of Stanford University
Erwin Plein Nemmers Prize in Economics

Joseph B. Keller
Stanford University
Fredric Esser Nemmers Prize in Mathematics

The 1994 prizes were awarded to Peter A. Diamond (economics) and Yuri I. Manin (mathematics).

Northwestern University will award the third Nemmers Prizes in Economics and Mathematics in 1998, with nominations due on December 1, 1997. For further information, please write:

Secretary
Selection Committee for the Nemmers Prizes
Office of the Provost
Northwestern University
633 Clark Street
Evanston, Illinois
60208-1119

THE SALK INSTITUTE
LABORATORY OF GENETICS

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Search Committee,
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The Salk Institute,
P.O. Box 85800,
San Diego, CA 92186-5800

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Interested applicants should send a resume (no phone calls please) to Dr. Gary Rogers, Vice President of Pharmaceutical Discovery, Cortex Pharmaceuticals, Inc., 15241 Barranca Parkway, Irvine, California, 92718.
SECOND ANNOUNCEMENT

Symposium

Stem Cells, Lineage, and Plasticity of the Differentiated State

Sponsored by
Cutaneous Biology Research Center
Massachusetts General Hospital/Harvard

Friday May 17, 1996
9am - 5pm

Armed Services YMCA (adjacent to Building 149)
Charlestown Navy Yard
Charlestown MA

Scheduled Speakers:
Nicole M. Le Douarin Embryogenesis: Stem Cells, Lineage and Plasticity
Elizabeth J. Robertson Zygotes, Embryos and Embryonal Carcinomas.
Irving L. Weissman Development of the Hematolymphoid System from Stem Cells
Katia Georgopoulou Development of the Immune System: Stem Cells and Lineages
Jeremy Brockes Amphibian Limb Regeneration: Plasticity or Stem Cells?
Frank E. Stockdale Muscle Development: Plasticity or Stem Cells?
Elaine V. Fuchs Development of the Epidermis: Stem Cells or Fixed Lineages?
Andrew P. McMahon Development of the Nervous System: Stem Cells, Lineage or Plasticity?

The Symposium is open to the public, but seating is limited. For further information, call 617-726-3145.

HEAD
DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

The University of Illinois at Chicago College of Medicine invites applications and nominations for the position of Head of its Department of Microbiology and Immunology. The College of Medicine is the largest medical school in the United States and is part of Chicago's Westside Medical Center, a major national medical complex well-known for its large concentration of public and private healthcare and research facilities. UIC is located just west of the Chicago Loop area and is the largest public comprehensive university in Chicago. The Department, one of six basic science departments within the College, has seventeen full-time faculty members, an active graduate program, and participates in the education of medical students and other health professionals. The Department currently has well-established research programs focusing on integral issues in both prokaryotic and eukaryotic biology. Some major research areas include environmental bioremediation, heavy metal resistance, molecular, cellular and tumor immunology, protein structure and function, and gene regulation. The future directions of the Department will involve expansion of its current research programs to emphasize basic aspects of microbiology and immunology, including infectious diseases, molecular virology, and interactions within interdepartmental initiatives relating to xenotransplantation, cancer, and neurobiology.

Candidates for this position should have a PhD and/or MD degree, a distinguished record of scholarly activity, a nationally recognized research program within the broadly defined area of microbiology and immunology, and the ability to administer a comprehensive academic program. Interested individuals should submit a letter of application, curriculum vitae, which includes a summary of their research activities, and three references to:

Donald A. Chambers, PhD
Chair, Microbiology and Immunology Search Committee
Professor and Head
Department of Biochemistry
University of Illinois College of Medicine
1819 West Polk Street (M/C 536)
Chicago, Illinois 60612

University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Request for Applications
US Agency for International Development

The USAID Malaria Vaccine Development Program (MVDP) is soliciting applications for participation in our vaccine development effort. Two separate Requests for Applications (RFAs) are being issued:

RFA OP/A/HRN-96-001:
Preclinical Malaria Vaccine Development

RFA OP/A/HRN-96-002:
Malaria Antigen Identification & Vaccine Development

The RFAs with all forms & instructions are available through the Internet at http://www.info.usaid.gov

The point of contact is
Marcus Johnson.
Marcus@USAID.GOV
Tel: (703) 875-1265
Fax: (703) 875-1107

Closing date for applications is 15 May 1996

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In Japan,
phone +81 3 3235-5961,
or fax +81 3 3235-5852

In Australia,
phone +61 02 922 2977,
or fax +61 02 922 1100
ANNOUNCEMENT

ENVIRONMENTAL SCIENCE MINIGRANTS

The Environmental Defense Fund (EDF), a national non-profit environmental organization, requests proposals up to $15,000 for research projects related to topics of substantive interest to EDF. This minigrant program is part of EDF's Environmental Science Program to enhance scientific input to public interest environmental organizations. Research topics may be related to climate change, toxic chemicals, wetlands, water quality, environmental economics, etc. We are particularly interested in topics that bear on issues of concern to local communities. Details of the RFP can be obtained via internet (gpe@edf.org) or by Telephone: 212-505-0606 x326. Eligibility is limited to scientists at public or private colleges and universities. EDF is an Equal Opportunity Employer.

SYMPOSIUM

FRONTIERS IN BIOACTIVE LIPIDS '96

XVIIth Washington International Spring Symposium
Washington, DC May 6 to 9, 1996

Topics: fatty acids and esters, eicosanoids, phospholipids, lipid binding proteins, lipid receptors/antagonists. For forms and information: Dr. Jack Y. Vanderhoek, Symposium Chair, Department of Biochemistry and Molecular Biology, The George Washington University, 2300 1 Street NW, Washington, DC 20037-2357; Telephone: 202-994-2929 or 3709; FAX: 202-994-4974; Email: jyvih@gw21.circ.gwu.edu.
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1-800-227-0627 FAX: (415) 494-1587

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PeptideGenic

The Peptide Engineering Specialist
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Fax: 510-371-1156
Voice: 510-371-1070

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ransom hill bioscience, inc.
nost, no minimum, no baloney!
internet: vials@ix.netcom.com fax: (800) 697-8509

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UV Transparent, NMR Detectable
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CSC Certificates™ $3056

Circle No. 24 on Readers' Service Card

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Need!
Quality peptides at competitive prices.
Want to deal with an experienced company offering:
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• Synthetic difficult sequences
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• Fluorescent labeling
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GENEPAIRSTM Update

Working with various genome centers and overseas investigators, Research Genetics has produced over 6,000 gene-based STSs or ESTs which we market under the tradename GENEPAIRSTM. GENEPAIRSTM are a subset of the more than 18,000 human STSs which we currently offer. While many are derived from known genes, most are derived from the I.M.A.G.E Consortium cDNA clones. The expansion and sequencing of this massive resource was recently made possible by a substantial grant from Merck & Co. GENEPAIRSTM consist of two PCR primers which amplify a portion of a specific gene, usually from the 3' untranslated region. Most of these GENEPAIRSTM have been placed on various maps including the MIT Physical Map of the Human Genome, the GENEBRIDGE 4 RH map and/or chromosome assignment using a human-rodent somatic cell hybrid panel. These markers all use the same PCR conditions and are available from stock. See our web page, at http://www.resgen.com, to search our most current list of GENEPAIRSTM.

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<th>Description</th>
<th>Quantity</th>
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<th>&gt;25pairs</th>
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<td>200 µl</td>
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<td>$20.00/pair</td>
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