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**POSITIONS OPEN**

The Division of Cardiology, Medical College of Virginia/Virginia Commonwealth University seeks qualified full-time collaborators. A track physician scientist at ASSOCIATE PROFESSOR/PROFESSOR level with expertise in molecular cardiology. Candidates should be experienced investigators capable of directing a Molecular Cardiology Research Laboratory, and must be board certified in Internal Medicine and BC/BE in cardiology. Applicants should send curriculum vitae and a summary of research interests to Dr. C. Tueven, Chair, Graduate Program in Cardiology, P.O. Box 980056, Medical College of Virginia, Richmond, VA 23298-0036. Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women and minorities and persons with disabilities are encouraged to apply.

The Department of Physiology, Pharmacology and Toxicology is inviting applications for positions at the ASSISTANT/ASSOCIATE PROFESSOR levels. Qualifications include a Ph.D. or M.D. degree and postdoctoral experience in pharmacology or a related biomedical science. The D.V.M. degree is desirable but not required. Candidates will be expected to bring a high level of excellence in the teaching of veterinary medical, allied health, and graduate students and to develop active, independent research supported by extramural funds. Although we are seeking candidates in gastroenterology (ruminant and simple), endocrinology, neuropharmacology, cardiovascular physiology, and clinical pharmacology, all applicants in related areas will be considered. Interested candidates should submit a curriculum vitae, names of three references, and a statement of research interests and goals to: Dr. James E. Webster, Acting Chair, Department of Physiology, Veterinary Medicine, Tuskegee University, Tuskegee, AL 36088. Applications will be accepted until positions are filled. Tuskegee University is an Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITION IN NEUROBIOLOGY OF AGING AND ALZHEIMER'S DISEASE.** The Department of Neurobiology and Anatomy at the University of Rochester Medical School invites applications for a tenure-track associate professor position. Applicants must have Ph.D. and/or M.D. degree, significant extramural funding, and a record of research and teaching accomplishments consonant with an advanced appointment. Research interests should be in neuronal cell biology related to cell death, cytoskeletal function or regulation of expression. The presence of an interdepartmental Alzheimer's Disease to the National Training Grant in the Neurobiology of Aging and Alzheimer's Disease provides opportunities for human research material, postdoctoral and graduate students and research associates, and other activities to continue and strengthen the program. Review of applications will begin September 1, 1994, and will continue until the position is filled. Applicants should provide a curriculum vitae and the names and addresses of three references to: Chair, Neurobiology Search Committee, University of Rochester Medical School, School of Medicine and Dentistry, 601 Elmwood Avenue, Rochester, NY 14642. The University of Rochester is an Affirmative Action/Equal Opportunity Employer committed to a smoke-free environment.

**ANATOMIST/PHYSIOLOGIST** *(Fall 1994)*

The Department of Biology at the College of St. Catherine seeks a broadly trained biologist to fill a full-time temporary position at the level of ASSISTANT PROFESSOR beginning fall 1994. Responsibilities: Courses to be taught include: neurobiology, anatomy, and physiology for non-majors, and comparative physiology and anatomy for majors. Qualifications: Doctoral degree and demonstrated excellence in teaching in both lecture and laboratory format at the undergraduate level is required. Successful candidate must be committed to developing a research program in which undergraduates can participate. To apply send curriculum vitae, three letters of recommendation, and a statement of teaching and research interests to: Dr. Kay Tweeten, Department of Biology, Program Coordinator, College of St. Catherine, 2900 Cleveland Avenue, St. Paul, MN 55105. Equal Employment Opportunity/Affirmative Action.

**RESEARCH ASSISTANT PROFESSOR**

The Division of Molecular Oncology of the Department of Genetics, University of Illinois at Chicago, seeks a Research Assistant Professor to establish and supervise a transgenic mouse facility. Excellent opportunities for collaboration with independent investigators. Experience with mouse genetics involved in various phenotypes of malignant cells. Requires Ph.D. or equivalent degree, a minimum of two to three years of postdoctoral experience in generating and characterizing transgenic mice, and in the publication of publica-

**PROFESSOR OF METABOLIC BIOCHEMISTRY**

University of Nebraska–Lincoln (UNL) seeks applicants from leaders in the field of metabolomics to fill a full Professor position and serve as the Nebraska Center of Metabolomics. Requires an active research program with an outstanding record of funding and publication in the broad area of metabolomics. Research focus is to incorporate modern physical methods, molecular biology, and/or synthesis and study of inorganic model systems. Preference given to candidates whose research interests complement those of current faculty. Successful candidate will be member of the Center for Biological Chemistry with academic appointments in the Departments of Biochemistry (Institute of Agricultural and Natural Resources College of Arts and Sciences). This nine-month, academic-year appointment will play a key role in providing leadership for the Nebraska program in metabolomics taking the initiative to develop new centers, grants, fellowships, and other activities to continue and strengthen the program. Review of applications will begin September 1, 1994, and will continue until the position is filled. Applicants should provide a curriculum vitae and the names and addresses of three references to: Chair, Metabolomics Search Committee, University of Nebraska–Lincoln, Department of Biochemistry, 106 Biochemistry Hall, Lincoln, NE 68583-0718; Telephone: 402-472-2932. UNL is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual career couples. We assure reasonable accommodation under the Americans with Disabilities Act.

**PROFESSOR AND CHAIR OF CANCER RESEARCH**

Oregon Health Sciences University invites applications and nominations for an endowed position as professor and chair of cancer research between the departments of Cell Biology and Anatomy, Molecular and Medical Genetics, Microbiology and Immunology, Molecular Biology and Biochemistry, Pharmacology, Pediatrics, Pathology, Medicine, and Surgery have facilitated the creation of the Oregon Cancer Center, the planning of which is funded by the National Cancer Institute. The only biomedical university in the state, Oregon Health Sciences University has active programs in clinical organ transplantation and is actively developing new programs. The University invites applications from individuals who have a distinguished record of internationally recognized basic or clinical research with a strong commitment to graduate and undergraduate education and translational research. The endowed chair is an exceptional opportunity to enhance significantly the cancer research programs at Oregon Health Sciences University in order to be considered full consideration, applications should be received by August 1, 1994.

Letters of application, curriculum vitae, and names of at least four references should be sent to: Grover C. Bagby, M.D., Professor of Medicine and Molecular & Medical Genetics Oregon Health Sciences University 3838 N. Willamette Blvd. Portland, OR 97207
**POSITIONS OPEN**

**MOLECULAR BIOLIGIST—ASSISTANT PROOFESSOR, tenure-track, fall 1995, to teach Molecular Biology, Microbiology and participate in Introductory Biology, plant biology, and general education. Applicants must demonstrate excellence in undergraduate teaching and research involving undergraduates, including publication. Experience in small college setting desirable.

Urinus is northwest of Philadelphia in suburban setting, beautiful, active, residential, co-ed, liberal arts college of 1,150 students with long tradition of strength in sciences.

Send letter of application and curriculum vitae to: Dr. Ellen M. Dineen, Chair, Search Committee, University College, P.O. Box 1000, Collegeville, PA 19426—1000. Position to be filled when suitable candidate is found. Urinus is Equal Opportunity Employer/Affirmative Action.

**DIRECTOR OF AUTOPTYS SERVICE at UCSD Medical Center with Participation in Neuropathology Service. Effective July 1, 1995, although exact start date is negotiable.

The Department of Pathology of the University of California, San Diego (UCSD), seeks a Director of the Autopsy Service of UCSD Medical Center who will also participate in its Neuropathology Service. The appointment will either be tenured or tenure-track. Applicants must possess the M.D. degree, be certified or eligible for certification in Anatomic Pathology or in Combined Anatomic and Clinical Pathology (American Board of Pathology), and possess or be able to obtain a State of California medical license. Prior experience in academic or research hospital setting with substantial certification eligibility in Neuropathology is desirable. In addition to the service responsibilities associated with the position, the candidate will be expected to teach medical students, residents, and fellows and to establish a program of scholarly investigation appropriate for a tenured or tenure-track appointment. Academic rank and salary will be commensurate with the candidate's experience and potential. The successful candidate and will be consistent with established UCSD pay scales. Closing date for applications is July 2, 1995. Start-up salaries should include a curriculum vitae and list of five references to: University of California, San Diego, Henry C. Powell, M.D., Professor and Head of the Department of Anatomic and Neuropathology, Department of Pathology, UCSD School of Medicine, 9500 Gilman Drive, La Jolla, CA 92030—0612. UCSD is an Equal Opportunity/Affirmative Action Employer.

**EREBLY CHAIR PROFESSOR AND ASSOCIATE CHAIR OF STRUCTURAL BIOLOGY CARNEGIE MELLON UNIVERSITY

The Department of Biological Sciences at Carnegie Mellon University is expanding its activities in Structural Biology. We are looking for (1) a senior internationally recognized structural biologist with a vigorous, outstanding research program who will hold the Robert E. Eberly Chair in Structural Biology; and (2) a tenure-track assistant professor for a promising individual who is ready to begin a vigorous, independent research career.

In both cases, investigators using multidimensional NMR, X-ray crystallography, and/or computational tools to solve significant problems in structural biology are encouraged to apply. Carnegie Mellon University has existing strengths in NMR and high-speed computational approaches to structural biology. Currently, in addition to the planned growth in structural biology, there is growth in the Departments of Biological Sciences and Chemistry in the areas of cell biology, bio-inorganic, and bio-organic chemistry.

Carnegie Mellon University invites nominations and applications for these two faculty openings. Candidates should have a Ph.D. in a biological science and a brief description of their research interests. Candidates for the junior position should include names of three references. Reviews of applications will begin on February 15, 1995, and will continue until suitable candidates are recruited. All correspondence should be sent to: Chair of the Structural Biology Search Committee, Department of Biological Sciences, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213—2563.

Carnegie Mellon University is an Equal Opportunity/Affirmative Action Employer.

**DIRECTOR, UCR/UCLA PROGRAM IN BIOMEDICAL SCIENCES DIVISION OF BIOMEDICAL SCIENCES UNIVERSITY OF CALIFORNIA, RIVERSIDE (UCR)

Responsible for leadership of the research and educational activities of the Division of Biomedical Sciences at UCR. Duties include directing the overall, and active participation in the research activities of the Divisional faculty at UCR and the Ph.D. program in Biomedical Sciences; supervision of an accelerated 7-year educational program leading to the Ph.D. from UC, and initially (M.D.) degree from the UCLA School of Medicine; serving as Chairperson of the Division of Biomedical Sciences (15 ladder-rank faculty, 80 faculty positions). The director will be responsible for all disciplines at UCR and seven adjunct positions at the associated Harbor/UCLA Medical Center teaching facility; and, maintaining liaison among UCR, UCLA, Harbor/UCLA Medical Center, the UC Office of the President, and other applicable state and national agencies. Requires: (a) Ph.D. or M.D. degree; (b) a strong and active research program in biomedical sciences; (c) familiarity with medical school basic sciences instruction; (d) evidence of success in managing strong academic programs; (e) qualification for appointment as a Full Professor in the University of California system. Starting date: July 1, 1995.

Please send nominations or letter of application, resume and names of three references by August 15, 1994, to: BMSP Program Director Search Committee, Division of Biomedical Sciences, University of California, Riverside, CA 92521—0512.

The University of California is an Equal Opportunity/Affirmative Action Employer.

**HEAD, DIVISION OF INFECTIOUS DISEASES DEPARTMENT OF MEDICINE UNIVERSITY OF BRITISH COLUMBIA

The University of British Columbia invites applications for an academic position as Head of the Division of Infectious Diseases in the Department of Medicine. The successful candidate will have an FRCPC or equivalent Infectious Disease, a strong academic background, solid administrative experience, and a distinguished record in research and teaching. Credentials should be in keeping with an appointment at the Professor or Associate Professor level.

This is a tenure-track position beginning July 1, 1995. Please submit a letter of application and curriculum vitae no later than September 1, 1994, to: Dr. G. P. J. Mancini, Eric W. Hamber Professor and Head, Department of Medicine, University of British Columbia, Vancouver 7, British Columbia, Canada. Application envelope should include: 910 West 10th Avenue, Vancouver, BC V8Z 4E8. Salary will be commensurate with experience.

In accordance with immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. UBC welcomes all qualified applicants, especially women, aboriginal people, visible minorities and persons with disabilities.

**ACADEMIC COORDINATOR/HERBARIUM CURATOR

The University of California at Davis invites applications for an Academic Coordinator I and curator for the U.C. Davis Herbaria. This is a full-time academic position in the Division of Biological Sciences. A Ph.D. is required. Candidate must have a strong background in plant systematics and experience with herbarium curation, including management of collections and exchange with other herbaria. An ability to identify plants in the seedling or vegetative stage and from fragmented material will be required. Duties will include teaching one course per year in plant identification and systematics of the California flora.

Candidates should submit curriculum vitae, a statement of interests in and experience with curatorial responsibilities, and names and addresses of three referees by June 15, 1994, to: Dr. Marcel Rejmanek, Chair, Search Committee, Division of Biological Sciences, University of California, Davis, CA 95616.

The University of California, Davis, is interested in candidates who will enhance diversity and professional activities, and to the development of a campus climate that supports equality and respect for differences based on gender, race, age, color, national origin, sexual orientation or disability. The University of California is an Affirmative Action/Equal Opportunity Employer.

**DIRECTOR OF BASIC OPHTHALMIC RESEARCH with faculty appointment at level of Associate Professor, with extensive experience in molecular biology and immunology of ocular diseases, to be a basic, multidisciplinary research and postgraduate research fellowship program in the Center for Ophthalmic Research and Women's Hospital. Requirements include Ph.D., several years of experience in molecular biology and immunology applied to the diseases of ocular diseases, demonstrated ability as a mentor, leader, and a contributor to success in competing for federal, private, and industrial research funding. The successful candidate will be expected to carry on research independent of a specific research group. Excellent opportunities for basic and clinical research facilities are available. Harvard University and Brigham and Women's Hospital are committed to increased representation of women and members of minority groups on faculty and particularly encourage applications from such candidates. Please send curriculum vitae and three letters of recommendation to: President, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115.

**GROUP LEADER POSITION**

The Max-Deblik-Laboratorium in the Max-Planck-Gesellschaft as part of the Zentrum für molekulare Gen- und Zellbiologie Köln invites applications for a five-year GROUP LEADER POSITION.

The successful candidate will have the opportunity to establish an independent research group. Emphasis will be placed on molecular investigations in the following fields: Arabidopsis Genome, Signal Transduction, Yeast as a Model for Eukaryotes, Mycorrhiza, Plant Taxonomy and Ecology, Parasitology in Animals and Genetics of Complex Systems.

The holder of the position is expected to participate in the university's teaching program. The Max-Deblik-Laboratorium benefits from the excellent central facilities of the Max-Planck-Institut für Züchtungsforschung. Further details may be obtained from Dr. C. Meyer, Telephone: D-(0221) 50 62-502, Telefax: D-(0221) 50 62-513 or from Prof. Dr. Walter Doerfer, Telephone: D-(0221) 470-2386, Telefax: D-(0221) 470-5170. Applications should be sent by September 20, 1994, to the same address.


**PHARMACOLOGIST**

Applications are invited for a full-time FACULTY POSITION comprising both teaching and research opportunities. Candidates should have a Ph.D. in pharmacology and expertise in human physiology. Candidates should possess a strong commitment to teaching and research. Send curriculum vitae to: Dr. C. M. Meyer, Ph.D. Vice President of Academic Affairs Southern College of Optometry Memphis, TN 38104 Equal Opportunity Employer.

**POSTDOCTORAL POSITION available immediately to perform structure-function studies on proteins involved in the acto-cytoskeleton. Send application with experience in X-ray crystallography. Send curriculum vitae and two letters to: Steven M. Investigators of Structural Biology, University of Texas Medical Branch, Galveston, TX 77555. Affirmative Action/Equal Opportunity Employer.
Listed below are a few of the outstanding opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

**Cell Biology and Signal Transduction**

**James T. Russell, PhD**

Fluorescence microscopy and video image processing are used to measure cytoplasmic calcium signals in neurons and glial cells. Problems under analysis concern glial cell signaling and neuronal-glial interactions with particular reference to long distance glial signaling. Applicants should have a background in cell biology of intracellular calcium signaling mechanisms and have less than five years postdoctoral experience. Knowledge of electrophysiological methods preferred. Laboratory of Cellular and Molecular Neurophysiology (OE-46), NICHD, Building 49, Room 5A30.

**Cell Cycle and Chromatin Assembly**

**Michael Bustin, PhD**

The relationship between the cell cycle and the assembly of the chromatin structure of transcriptionally active genes is being investigated. Cell-free assembly systems, cells in tissue culture, and transgenic mice are used to study the generation of active chromatin and to investigate the cellular role and mechanism of action of defined chromosomal proteins. Recombinant DNA and immunochemical methods are then used to define functional domains in HMG proteins. Applicants should have less than five years postdoctoral experience. Laboratory of Molecular Carcinogenesis (OE-46), NCI, Building 37, Room 3D12.

**Cell Cycle Studies in E. Coli**

**Nancy J. Trun, PhD**

The timing and spatial regulation of the E. coli cell cycle is being studied using novel diploid camphor resistant mutants. The mutants have defects in several parts of the cell cycle including initiation of DNA replication and chromosomal partitioning. Future studies will focus on the molecular, genetic and biochemical characterization of the mutants and suppressors of the mutants. Applicants should have less than five years postdoctoral experience. Laboratory of Molecular Biology, (OE-46), Building 37, Room 2D21.

**Gene Expression and Cell Biology**

**Richard J. Maraia, MD**

The regulation of Alu retrotransposed elements is being studied to better understand the impact of their expression on cell growth. Cloned factors which affect Alu RNA metabolism and regulation of re-iteration by RNA polymerase III are being characterized. Experience in biochemistry and molecular biology, and less than five years postdoctoral experience, are required. Laboratory of Molecular Growth Regulation (OE-46), NICHD, Building 6, Room 416.

*See Mol Cell Biol 14:3949 and Mol Cell Biol 14:2147*

**Immunology and Molecular Biology**

**Anna George, PhD**

The regulation of immunoglobulin isotype switching to IgA by B cells, and patterns of cytokine secretion by T cells and accessory cells in mucosal and non-mucosal lymphoid organs are being investigated. Applications are invited from candidates interested in submitting a proposal for a National Research Council Research Associateship, preferably by August 15. Candidates with experience in cell and molecular biology preferred. Laboratory of Immunology (OE-46), NIDR, Building 30, Room 322.

**Molecular Biology of Drug Metabolizing Enzymes**

**Richard M. Philpot, PhD**

The regulation, structure, function and role in human disease of drug-metabolizing enzymes, particularly the flavin-containing monooxygenases, are being investigated. Specific residues associated with flavin binding and stabilization, temperature sensitivity, ion effects, and catalysis are also being identified. Applicants should have experience in biochemistry and molecular biology and less than five years postdoctoral experience. Laboratory of Cellular and Molecular Pharmacology (OE-46), NIEHS, P. O. Box 12233, Mail Stop 19-08, Research Triangle Park, NC 27709.

**Molecular Neurobiology and Virology**

**P. J. Brooks, PhD**

Viral vector methodologies for gene transfer in the adult brain are being developed and utilized to study brain function, behavior, and psychiatric diseases, including alcoholism. Experience in virology and molecular biology, and less than five years postdoctoral experience, are required. Laboratory of Neurogenetics (OE-46), NIAAA, 12501 Washington Avenue, Rockville, MD 20852.

**Additional Postdoctoral Fellowship Opportunities**

For an on-line listing of additional postdoctoral openings you may access the NIH EDNET Bulletin Board’s POSTDOC conference by Internet (wlberer.cu.nih.gov) or via modem (1,3014022221 or 1,8005352221) with modem parameters set at "7,Even,1". When connected to NIH, type in "vt100" for terminal emulation, "PS5" for initial, and "AJL" for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes additional opportunities at the NIH, may be requested from the address below. An electronic version of the catalog may be accessed via the network-based (Internet) Gopher Information System. To access the NIH Gopher server, Gopher client software (available via anonymous ftp "boombox.micro.umn.edu") must be running on your computer and configured to point to "gopher.nih.gov" and port "70". Select Grants and Research Information to reveal the NIH Office of Education directory. Those interested in receiving information on other postdoctoral opportunities, clinical training opportunities, or accessing Gopher may contact the Office of Education, Building 10, Room 1C129. Phone: 301-496-2427.

**To Apply**

If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, 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.

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**National Institutes Of Health**

9000 Rockville Pike, Bethesda, MD 20892

Equal Opportunity Employer
POSTDOCTORAL POSITION available for Ph.D. or M.D./Ph.D. with interest in the application of molecular approaches to addressing questions in human aging, protein and energy metabolism, and immune environment to conduct parallel studies in animals and humans. Proficiency in protein chemistry, RNA/DNA techniques, PCR and electrophoresis required. Experience with animals encouraged. Please send curriculum vitae, and names and complete addresses of three references to: Naomi F. Fuku- gawa, M.D., Ph.D., Temple University, 1230 York Avenue, New York, NY 10021-6399; Telephone: (212) 327-7451, FAX: (212) 827-7463. R.U. is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS IN DEVELOPMENTAL BIOLOGY

Positions available for research with Dr. Hans Bode (molecular basis of stem-cell differentiation and pattern formation in hydra), Dr. Ralph Bradshaw (polypeptide growth factors and intracellular protein translocation), Dr. Mallarme (combination of tissue culture, genomics, and immunology), and Dr. Michael Lerner (molecular mechanisms of cell-cell adhesion). Experience in cell biology, tissue culture, genomics, and immunology desirable. Send curriculum vitae, names and addresses of three referees to: Department of Neurogenetics, University of Texas Health Science Center, The General Hospital of the United States Army, 7701 Main St., Dallas, TX 75235.

POSTDOCTORAL POSITION—The Mount Sinai Medical Center of New York. Join on-going NIH-funded studies on active cation transport across membranes and the regulatory phosphorylation reactions and protein-protein interactions. A background in membrane biophysics/biochemistry is desirable. The successful candidate will have relevant experience and publications related to the ion transport systems. Applicants must have a Ph.D. and at least one year of post-doctoral experience. Send curriculum vitae, along with names and addresses of three references to: Dr. Michael L. Finean, Department of Pharmacology, Mount Sinai School of Medicine, 400 East 69th Street, New York, NY 10021-6574. An Equal Opportunity Employer.
GENEMEDICINE, INC., an emerging leader in non-viral gene therapy, is developing novel gene medicines, comprised of DNA vectors and vector delivery systems, to treat a broad range of genetic and acquired diseases. The Company is backed by several of the most successful venture capital investors in biotechnology, has strong ties to the laboratories of its scientific founders at Baylor College of Medicine and at UCSF and is located close to the Texas Medical Center - the world’s largest medical research facility.

GENEMEDICINE is expanding its research and development programs which, in collaboration with a major pharmaceutical company, include gene therapies for treating inflammatory diseases. We now seek to appoint successful and highly motivated scientists to the following positions:

**Director: Exploratory Vector Delivery**
We seek to appoint an accomplished scientist to lead a small group of biochemists and peptide chemists responsible for designing, synthesizing and testing novel systems for targeting genes in vivo. The successful candidate will have a Ph.D., at least four years of experience within a pharmaceutical/biotechnology company and have managed a research group.

**Scientists: Drug-Controlled Gene Therapy**
We seek two Ph.D.-level scientists having at least two years of molecular biology experience to be responsible for a collaborative program with Baylor College of Medicine to develop a gene switch for gene therapy that utilizes steroid-responsive elements and transactivating proteins to control the in vivo expression of administered genes.

**Scientists: Site-Specific Delivery of Macromolecules**
We seek five Ph.D.-level scientists who will be responsible for applying peptide and carbohydrate chemistry to develop technologies for enhancing the cell recognition, entry and processing of DNA expression vectors. Post-doctoral training and evidence of productivity in this area are required.

**Scientists: Pharmacology and Animal Models**
We seek four Ph.D.-level scientists and one B.S./M.S.-level scientist, each with at least three years of experience, to be responsible for establishing animal models of inflammation, peripheral neuropathy and hemophilia. This group will also be responsible for the evaluation of the pharmacology of novel gene therapy systems.

**Scientists: Intracellular Trafficking**
We seek both a Ph.D.-level scientist and a fixed-term post-doctoral fellow with at least two years of experience, to work on vesicular trafficking and/or antigen processing. These scientists will determine the cell entry and trafficking of genes. One of the successful candidates will have experience in immunology and the other in the use of electron and confocal microscopy for studying cell trafficking.

**Histologist**
We seek a B.S.-level certified Histologist, Histologist Technician (HT) or a Histotechnologist (HTL), with at least two years of post-training molecular biology experience, to be responsible for preparing conventional fixed and frozen sections, performing histological tests (including in situ hybridization and histochemistry) and to further develop the Company's histology program.

**Scientists: Intracellular Trafficking**
We seek both a Ph.D.-level scientist and a fixed-term post-doctoral fellow with at least two years of experience, to work on vesicular trafficking and/or antigen processing. These scientists will determine the cell entry and trafficking of genes. One of the successful candidates will have experience in immunology and the other in the use of electron and confocal microscopy for studying cell trafficking.

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**Scientists: Mammalian DNA Expression Vectors and Immune-Cell-Specific Gene Regulation**
We seek two Ph.D.-level scientists with at least two years of molecular biology experience who will be responsible for identifying and defining promoters and enhancers that function in human lymphocytes and mononuclear cells.

**Scientists: DNA Purification**
We seek a Ph.D.-level scientist with experience in biochemistry, molecular biology (specifically nucleic acid, oligonucleotide, protein or plasmid purification) or a related field, to develop novel methods for preparing and purifying plasmid DNA.

We offer highly competitive compensation packages. For confidential consideration, please send your CV to: GENEMEDICINE, INC., Human Resources, Ref. 694, 8080 North Stadium Drive, Suite 2100, Houston, TX 77054.
POSTDOCTORAL POSITION

MOLECULAR GENETICS

A postdoctoral position is available to study the molecular genetics of inherited breast cancer. This project focuses on the role of various tumor suppressor genes and the subsequent mutational and functional analyses of these genes. Experience in molecular biology required. Please send curriculum vitae and a list of references to: Dr. A. Liebman, Department of Neurology, University of Washington, 1958 Eastlake Ave E, Box 357140, Seattle, WA 98195-7140.

POSTDOCTORAL POSITION

NEUROSCIENCE

NIH-funded position immediately available to study the electrophysiological properties of vestibular sensory neurons in chick brain slices and immunocytochemical studies on vestibular structures using intracellular recording, dye injection, pharmacology, and immunocytochemistry. Experience in electrophysiology preferred. Ph.D. or M.D. required. Please send curriculum vitae, statement of research interests and goals, and references to: Dr. R. Weber, Department of Neurobiology, University of Pennsylvania, 7 Silverstein, 3400 Spruce Street, Philadelphia, PA 19104. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL (RESEARCH SCIENTIST) POSITION IN NEUROSCIENCE

NIH-funded position is immediately available to study the identification and functional characterization of novel antimalarial drug targets. Experience in cell biology, pharmacology, and genetics required. Salary dependent on qualifications. Send curriculum vitae and names and addresses of three references to: The Population Council, Center for Biomedical Research, 1230 York Avenue, New York, NY 10021.

POSTDOCTORAL FELLOWS

TWO POSITIONS AVAILABLE

RESEARCH

DEPARTMENT OF NEUROLOGY

UNIVERSITY OF MIAMI SCHOOL OF MEDICINE

Individuals needed to study: the cyochemoical organization and histopathology of the cerebral cortex in young adult neurologically normal but cognitively impaired individuals. This project would involve the use of brain tissue collected from age- and gender-matched normal controls and patients with Alzheimer's disease and related conditions. Send curriculum vitae and 3 references to: Dr. R. Desai, Section of Geriatric Neurology, University of Miami School of Medicine, 1150 North W. 14 Street, Suite 701, Miami, FL 33136. Equal Opportunity Employer/Affirmative Action.

TWO POSTDOCTORAL POSITIONS

Molecular Pharmacology of Malaria

NIH-funded positions are available to study the mechanisms of action of novel antimalarials directed at pyrimidine metabolism in Plasmodium falciparum. Expertise in endonuclease purification, kinetics, mechanisms of inhibition, in immunocytochemistry (conjugation chemistry, fusion proteins, monoclonal antibodies), or in recombinant protein expression of toxic proteins is highly desirable. Send an application including three references to: Dr. Pradip Rathod, Institute for Biomedical Sciences, Department of Biology, The Catholic University of America, Washington, DC 20064. Equal Opportunity Employer.

POSTDOCTORAL POSITION beginning September 1994 to develop new fluorescent dyes for labeling nucleic acids and to participate in the development of novel DNA separation and detection techniques for the Human Genome Project. Successful applicants will participate in a collaborative research effort with Drs. A.N. Glazer and R.A. Mathies in the Departments of Chemistry and Molecular Biology. Experience in synthetic organic chemistry is required; physical organic chemistry and spectroscopy desirable. Send resume and three references to: Dr. R.A. Mathies, Department of Chemistry, University of California, Berkeley, CA 94720. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION AVAILABLE

Isolation of Genes Responsible for Human Developmental Malformations

The focus of my laboratory is to study human development at the molecular level. Positional cloning techniques are being used to isolate genes responsible for human birth defects. The mechanism of action of these genes will subsequently be studied. Send curriculum vitae and 3 letters of recommendation to: James P. Evans, Ph.D., M.D., Program in Molecular Biology and Biotechnology, Box 7100, University of North Carolina, Chapel Hill, NC 27599. Telephone: (919) 962-8920. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS immediately available, using yeast to study (1) in vivo effects of mutations in ribosomal RNA (see EMBO J. 13:906, or 2) the role of retrotransposons in different species of the retrotransposon, Ty1 (see Genetics 133:499). Send curriculum vitae with names of 3 references to: Dr. M. Meyer, Department of Biological Sciences, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607-7060; FAX: (312) 553-4662; E-mail: U34826@UIUCVM.UIUC.EDU. An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION

Available September 1994 to participate in studies of the role of long-term potentiation in the hippocampus and the role of long-term depression in the prefrontal cortex. Send curriculum vitae and the names of three references to: Dr. Brian W. Cogan, Department of Pharmacology, Northwestern University Medical School, 303 East Chicago Ave, Chicago, IL 60611. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS Available

in the areas of molecular and cellular biology of lipoprotein metabolism and atherosclerosis. The laboratory of Dr. R.G. De Lorimier, Department of Molecular and Cell Biology, University of California, Berkeley, CA 94720, is interested in the molecular basis of diet-related and genetic susceptibility to atherosclerosis. The laboratory is equipped to perform experiments in vivo and in vitro. Send curriculum vitae and names of three references to: Dr. R.G. De Lorimier, Department of Molecular and Cell Biology, University of California, Berkeley, CA 94720. FAX: (510) 642-3014. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP

POSITION AVAILABLE

IN CHEMISTRY OR BIOLOGY OF POLYPEPTIDE HORMONES (2 or 3 years), STARTING SUMMER 1994

Opportunities for Ph.D.s in interdisciplinary group studying peptides and glycopeptides of pituitary or other tissues, using HPLC, gas phase microsequencing, solid- or recombinant peptide synthesis, carbohydrate chemistry, chemoinformatics, RIA/EIA, to isolate, identify, synthesize, measure and characterize the biologic function of known/unknown pituitary (or other) peptides. Stipend: $50,000 to $85,000 plus relocation expenses. Send curriculum vitae and 3 references to: Dr. A.F. Parlow, Harbor-UCLA Medical Center, 1000 West Carson Street, Torrance, CA 90509.

POSTDOCTORAL FELLOW—The Mount Sinai Medical Center of New York. A postdoctoral fellowship position is immediately available with a doctoral degree in physical sciences or engineering. Experience in Magnetic Resonance Imaging and/or Magnetic Resonance Spectroscopy is preferred. The candidate will provide technical and research support and participate in various research projects being developed in the department. Opportunity to be trained and practiced in the clinical investigation of magnetic resonance imaging. The candidate should be familiar with computer programs and programming. Salary is $29,000 for one year with the possibility of being renewed for a second year. Application must be submitted for United States citizenship. Applications should be received by 30 June 1994. Send curriculum vitae, reprints, the names and addresses of three references, and a one-page statement of research experience to: Dr. Justin Congdon, Savannah River Ecology Laboratory, 1411 Mall Drive, Aiken, SC 29802 USA. The Savannah River Ecology Laboratory is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION

DEPARTMENT OF ONCOLOGY, MCGILL UNIVERSITY

Position involves development and bioassay of polymeric pro-drugs that can selectively target drugs to cancer cells. This is a multidisciplinary project that will be of interest to a flexible individual with a background in polymer chemistry and drug metabolism. Send letter describing background and interests, curriculum vitae, and names of three references to: Dr. Shirley Lehnert, Radiation Oncology, McGill University, Montreal General Hospital, 1650 Cedar Avenue, Montreal, Quebec, CANADA, H3G 1AA or FAX: (514) 934-8220.
TOXICOLOGY

Bioanalytical Chemist/Biochemical Toxicologist

In this key assignment, you'll use HPLC, GC-MS, capillary electrophoresis and other analytical methods to investigate mechanisms of chemical-induced toxicity. To succeed, you'll need a BS/MS in a biological science, enhanced by training in Analytical Chemistry and at least 4-5 years' experience in analytical methods development. Hands-on experience in the above-referenced analytical methods is also desired.

Acute Toxicologist

Take on the challenges of development, validation and implementation of emerging in vitro and/or in vivo methods for the assessment of acute toxicity via various routes of exposure. To qualify, you'll need a degree in toxicology, pharmacology, a biological science, or the equivalent, supported by at least 3-5 years of laboratory experience with methods development in a research setting. Position also involves participation in ongoing laboratory operations.

In addition to a stimulating research environment, we offer fully competitive compensation and superior benefits, including generous relocation assistance to our desirable southeastern Connecticut shoreline community. For immediate consideration, please forward your resume to: Dr. Ken E. Harewood, Manager, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. We are an equal opportunity employer.

BIOMEDICAL DEVICES

GOAL: COMMERCIALIZATION

Organogenesis is dedicated to applying the science of tissue engineering to the challenge of repairing the human body. Our first product, for the treatment of corneal ulcers, is progressing successfully through human clinical trials. Focused on product development in wound care, vascular biology, orthopedics and urology, we're tapping into a growing multi-billion dollar marketplace. As we continue to capitalize on the extensive opportunities, we're adding new talent to our team:

STAFF SCIENTIST - VASCULAR BIOLOGY

The Vascular Biology program, a development stage effort, is seeking candidates who have experience with application of biological insights to biomaterials/tissue interaction issues. The ideal candidate will have a working knowledge of biological processes, cell biology, biomaterial pathology as well as an understanding of engineering principles. Experience in vascular or materials research projects would be considered very desirable.

With a strong presence in the biotechnology industry and a state-of-the-art environment, you should be prepared to meet all the challenges we offer. A competitive compensation and benefits plan, including stock options will be extended. Reach your professional goals by sending your resume to: Human Resources Manager, ORGANGENESIS, 150 Dan Road, Canton, MA 02021. We are an Equal Opportunity Employer.

ORGANGENESIS INC.

SCIENTIST

Molecular Virology and Host Defense

SmithKline Beecham Pharmaceuticals, a worldwide leader in the healthcare industry, has an excellent opportunity for a Scientist to join its Department of Molecular Virology and Host Defense.

The selected individual will carry out drug discovery research on antivirals for human pathogens, particularly those caused by HIV. The ideal candidate will have the ability to isolate and characterize new virus strains and assay viral infectivity and gene expression in cell cultures.

Qualifications include a B.S. in Microbiology with 3-6 years of experience in virology or an M.S. with at least one year of experience in virology. Knowledge of nucleic acid and/or protein analysis methods and experience with cell culture and viral culture required. Must have experience with cell culture, virology, molecular biology, and virology. This position requires relocation to Philadelphia.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package. Interested applicants should send resume with salary history to: SmithKline Beecham Pharmaceuticals, P.O. Box 401, H0087, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham Pharmaceuticals
Challenging the natural limits.
Moving forward. With a commitment to the development of new technologies and the resources required for success, Genzyme has become a major, diversified health care products company.

**Making Progress.** In an environment that supports initiative and innovation, our world-class research teams continue to make substantial scientific and clinical progress in all of our major programs.

**STRUCTURAL PROTEIN CHEMIST**

Framingham, MA

We are seeking a protein chemist to work on the characterization of recombinant and transgenic proteins. The ideal candidate holds a PhD in Protein Chemistry with 25 years’ postdoctoral experience in structural protein chemistry with particular emphasis on post translational modifications and the effect on protein structure and function. Strong analytical techniques and experience in mass spectrometry, HPLC, or capillary electrophoresis are preferred.

Genzyme rewards success with an excellent compensation and benefits package, including 3 weeks’ paid vacation, a 401(k) plan with a company match, extensive insurance benefits and an Employee Stock Purchase Plan. Send resumes to: Genzyme Corporation, Human Resources Department, Code PK, One Mountain Rd, Framingham, MA 01701. An equal opportunity employer.

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**ASISTANT PROFESSOR**

DEPARTMENT OF PHYSIOLOGY

EAST TENNESSEE STATE UNIVERSITY

JAMES H. QUILLEN COLLEGE OF MEDICINE

Tenure-track position at the Assistant Professor level is to begin July 1994, contingent upon state funds. Applicant must have a doctoral degree with extensive training in physiology and have two or more years of postdoctoral experience. Potential to develop and sustain a fundable, independent research program will be an important selection criteria. Area of expertise is open, but currently the department has six faculty members whose interests represent a wide range of cellular and systems oriented research in the physiological sciences. There are opportunities for collaboration throughout the department and college with research groups interested in cell biology of the vascular wall, neuroscience, membrane transport, electrophysiology, cardiovascular control, and cell and molecular biology. East Tennessee State University, James H. Quillen College of Medicine is a growing research community, ample start-up funds, modest teaching loads, and a beautiful physical location. Candidates should submit a letter, curriculum vitae, names of three references, and a brief research prospectus to Dr. William L. Joyner, Professor and Chair, Department of Physiology, James H. Quillen College of Medicine, East Tennessee State University, P.O. Box 70, 576, Johnson City, TN 37614-0576.

East Tennessee State University is an Affirmative Action/Equal Opportunity Employer.

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**TECHNICAL ENTREPRENEURS**

Together, We Will Make It Happen

Michigan Biotechnology Institute (MBI) is a private, tax-exempt research and business development organization that specializes in industrial and environmental biotechnology. Grand River Technologies (GRT), our business development subsidiary, finds appropriate commercial outlets for viable technologies. MBI's incubator subsidiary, Bio-Business Incubator of Michigan, provides space and support services so entrepreneurial firms can get their footing and eventually exit to their own facilities. We are currently seeking innovative, bio-based technologies and their champions in the following areas:

- Industrial and Chiral Chemicals
- Agricultural Biochemicals
- Food Ingredients
- Biomaterials
- Waste Treatment and Bioremediation

Our unique resources and commitment to the creation of new businesses will support you with:

- A state-of-the-art research and development facility
- Skilled business leadership
- Top-notch scientific and engineering staff
- Access to a 20,000 square-foot pilot plant

In return, you'll be expected to lead the effort in raising funds to fuel the program. You may join MBI as an employee, bring your existing business to our business "incubator" or find a new strategic alliance through GRT.

The next step: tell us why you're the right entrepreneur for us. Send a concise, non-confidential summary of your technology including ownership, your commercialization plan and your resume to:

Dr. J. Gregory Zeikus
President and CEO
Michigan Biotechnology Institute
P.O. Box 27600 • Lansing, MI 48909

MBI is an equal opportunity employer/institute.

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**The Mind Science Foundation of San Antonio, Texas**

announces the

**Scientist/Scholar-in-Residence Program**

**Call for Nominations**

The Mind Science Foundation is a not-for-profit operating foundation located in San Antonio, Texas. This 35-year-old foundation is dedicated to supporting mind related research and educational programs about the human mind.

Nominations are being accepted for the Scientist/Scholar-in-Residence Program of MSF which will commence in the fall of 1995. The program offers stipends to secure full salary support for a period of up to 12 months on site at MSF in San Antonio, Texas. Housing to accommodate scientists/scholars and their families and complete secretarial, editorial, computer and statistical support will be provided. The successful candidate will be able to interact with leading scientists at nearby universities and research institutes in a physical environment that is agreeable year round.

Candidates should be nominated by eminent scientists, scholars, and academic administrators. The scientists/scholar will be selected for exceptional accomplishment in his/her field, which must relate to study of mind/brain function in human subjects or animal models. The nominee must submit the plans for an innovative project for the time in residence at the Mind Science Foundation.

This program has been established to provide an opportunity for scholars and scientists to concentrate on a particular project in an environment away from the normal routines and responsibilities of the home institution.

**Deadline for Nominations is October 1, 1994**

For details about the Mind Science Foundation Scientist/Scholar-in-Residence Program, please contact: Catherine Nixon Houston, Executive Director/ The Mind Science Foundation 7997 Broadway, Suite 100/San Antonio, Texas 78209/(210) 821-6094 or FAX (210) 821-6199.
IMPROVING THE QUALITY OF LIFE THROUGH ADVANCES IN R&D.

The advanced products and services of the Fortune 75 Baxter Healthcare Corporation are designed to improve the quality of life throughout the world. We do it all by bringing together the best resources, the best technology and the best professionals in an environment of mutual cooperation and support.

Our Gene Therapy Business Unit is a growing research and development organization dedicated to providing new therapeutic modalities for the treatment of disease. Currently, we have the following opportunities available in our 400 acre R&D campus located in the northwest suburbs of Chicago.

▲ DIRECTOR OF GENE EXPRESSION
The Director of Gene Expression will work within the Immunoisolation and Protein Therapy Department. The successful candidate will join a team of cell biologists, immunologists and engineers working on the development of methods for the transplantation of genetically engineered, allogeneic cells that are encapsulated within synthetic membranes.

We are seeking an individual with a record of achievement in the development of unique, high level gene expression systems. The primary responsibility of this position is to lead a team focused on development of stable gene expression systems in mammalian cells. A Ph.D. in molecular biology or related discipline, plus postdoctoral experience is required. Candidates should have 7 or more years of industrial experience with at least 5 years experience in leading a research team.

▲ DIRECTOR OF VECTOR TECHNOLOGY
The Director of Vector Technology will lead a group of researchers dedicated to preparing novel expression vectors and will work in collaboration with a team of cell biologists in engineering mammalian cells to express therapeutic molecules.

Candidates should have a Ph.D. in molecular biology or cell biology with postdoctoral experience and 5 or more years of industrial experience with at least 3 years as a group leader or manager. Candidates should have a broad background in developing viral and non-viral expression vectors and a good publication record.

▲ VISITING SCIENTIST-IMMUNOLOGY
This position is for a Senior Immunologist who will collaborate with an existing team of researchers working on the development of methods for the transplantation of genetically engineered, allogeneic cells that are encapsulated within synthetic membranes. Successful candidates should have an established record in biomedical research with significant internationally recognized achievements. The appointment is for one year with the opportunity for a one year extension.

Candidates should also have a proven track record of achievement in the areas of cellular transplantation and molecular immunology. Expertise in the area of mechanisms responsible for allograft rejection are essential.

We provide a highly professional environment conducive to career development and a competitive compensation and benefits program. Please send resume with salary history, indicating position of interest, to: Baxter Healthcare Corporation, Gene Therapy Business Unit, GT94109 Human Resources, WG2-3S, Rte 120 & Wilson Rd, Round Lake, IL 60073. Equal Opportunity Employer.

Biotech Group
Gene Therapy Business Unit

Baxter
**Targeted Innovation**
**Gives IDEXX The Edge.**

From immunoassays and DNA probes to molecular biology and instrumentation, IDEXX is utilizing state-of-the-science technologies to aggressively and successfully target niche markets worldwide. Our powerful new generation of detection products are now used in applications ranging from animal health to food and environmental testing. With a phenomenal growth pattern behind us and a solid growth strategy ahead, we are seeking top-notch professionals to add to our research team.

**Research Scientist**
**Food and Environmental Division**

**Residue Detection**

As a bench-level Scientist, you will be responsible for developing immunoassays for antibiotic residues, taking projects from feasibility experiments through product launch.

The successful candidate will possess a Ph.D. in Biochem/10stry or related subject; M.S. with appropriate experience will be considered. A minimum of 2 years’ experience in small molecule immunoassay development, ability to work in a team environment and excellent interpersonal and communication skills are required. Experience in conjugation chemistry is desirable. Practical experience in an industrial R&D environment is a plus.

In addition to the above opening, IDEXX continues to generate unique opportunities for individuals who share our enthusiasm for discovery. We have openings at all levels of R&D including Research Scientists, Associates and Assistants.

Respond in confidence with CV and letter of interest to: Human Resources, Code SC527, IDEXX Laboratories, One IDEXX Drive, Westbrook, ME 04092. We are an Equal Opportunity Employer M/F/DV.

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**POSTDOCTORAL POSITION**
**Skillman, New Jersey**

Johnson & Johnson, the world’s largest health care corporation and leader in wound healing research and development, is seeking first class candidates for two year postdoctoral positions at its Wound Healing Technology Resource Center in Skillman, NJ. The post is with a specialist team of ten scientists with skills in biochemistry, cell biology, molecular biology, pharmacology, histopathology and wound healing biology. The position is temporary but could be extended, and there is a possibility of tenure for exceptional scientists. Johnson & Johnson will assist with relocation expenses and work permit issues. A generous salary package is also offered for the right candidate with the right background and interests.

Candidates should be strongly self motivated, confident and experienced in areas related to connective tissue biology and preferably, wound healing. Applicants with experience in relevant animal models are especially encouraged to apply. Knowledge and experience of techniques in cell biology, biochemistry and molecular biology would be useful. Please apply direct, preferably by fax, attaching your CV, to Dr. Jodi Geesin, in the United States, Tel: 908-874-1356, Fax: 908-874-1254.

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**FOURNIER PHARMA GMBH**

Fournier Pharma GmbH
NMR Spectroscopist

Fournier Pharma GmbH is the German subsidiary of Fournier Laboratories, a French Pharmaceutical Company with a strong commitment in cardiovascular Research. We are looking for a NMR spectroscopist for our new Research Center in Heidelberg.

The successful candidate will be involved in structure elucidation, conformational analysis of peptides and peptide mimetics and lipid-peptide interaction studies.

He or she will collaborate with peptide chemists and biochemists in Drug Discovery Research and will be in charge of a brand new Bruker Avance TM DRX 500 MHz spectrometer.

Department resources include high resolution mass spectrometer, computers for molecular design and conformational analysis, CD spectrometer, peptide synthesizers, peptide sequencer, amino acid analysers, HPLCs, HPCE... This is an excellent opportunity to join a dynamic team developing novel therapeutic approaches for treating atherosclerosis and related cardiovascular disease.

Applicants must have a Ph.D. in Physical Chemistry or Chemistry as well as at least three years of post-doctoral experience and a proven track record of solving peptide or peptide mimetic structures.

Send resume to:
Fournier Pharma GmbH
Department of Human Resources
Mr. Dewes
Justus-von-Liebig-Str. 16
66280 Sulzbach
Germany

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**THE UNIVERSITY OF THE WEST INDIES**
**St. Augustine, Trinidad**

Applications are invited for the following post:

**LECTURER/ASSISTANT LECTURER IN HUMAN ANATOMY**

School of Medicine

Applicants should have a PhD in Anatomy and a medical degree would be an asset. Experience in teaching Gross Anatomy, Histology or Embryology is desirable.

**ANNUAL SALARY RANGE:** Medical: Lecturer TT$78,624 - TT$150,880 (B) - TT$100,824; Assistant Lecturer TT$56,628 - TT$95,436 plus an Institutional Allowance ranging from 10% - 30% of basic salary depending on post. Non-Medical: Lecturer TT$76,056 - TT$97,440 (B) - TT$95,436; Assistant Lecturer TT$56,000 - TT$95,436. (Medical and Non-Medical): Lecturer below Bar TT$1,680; Lecturer above Bar TT$3,024 p.a.

*Parishes, Pension, Housing Allowances, Study and Travel and Book Grants. Applications naming three referees and detailing qualifications and experience to the Registrar, University of the West Indies, St. Augustine, Trinidad, as soon as possible. Further particulars sent to all applicants; there are also available from Appointments (45822), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF, UK (tel: 071 587 8572 ext. 206; fax 071 385 0368).*

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**THE SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES**

hereby announces two vacant positions at the Department of Horticulture, Alnarp, as

**PROFESSOR IN GREENHOUSE PRODUCTION, HORTICULTURAL CROPS**
Ref no 211194-1532
The chair is declared vacant on certain conditions.

**PROFESSOR IN FIELD PRODUCTION, HORTICULTURAL CROPS**
Ref no 211094-2939 from September 1995.

More detailed information concerning the positions can be obtained from the Head of Department, Professor Paul Jönsson (phone no +46 40 40 50 00, fax no +46 40 40 04 41), The Swedish University of Agricultural Sciences, Department of Horticulture, Box 55, S-230 53 Alnarp, Sweden. Magdalena Fagerberg (phone no +46 18 67 10 47, fax no +46 18 67 17 00) will be able to answer all queries concerning the formal procedures. The complete advertisement can be obtained from the Registrar, phone No +46 18 67 10 18 or +46 18 67 18 85. Fax +46 18 67 35 09.

An application in English, marked with reference number should be submitted to the Registrar of the Swedish University of Agricultural Sciences, Box 7070, S-750 07 Uppsala, Sweden, no later than June 15, 1994.
LUPIN

LUPIN Group of Companies is a technology intensive, progressive, professionally managed, rapidly expanding group committed to excellence in the areas of bulk drugs, pharmaceuticals and agrochemicals. Excellent technological achievements and major growth impulses have combined to create a visible level of excitement and the management has now set itself the mission to achieve sales turnover of $330 million (Rs. 10 billion) by 1995.

LUPIN CHEMICALS LIMITED is a group Company which has set up a state-of-the-art fermentation facility in Tarapur, near Bombay, for the manufacture of Rifampicin from basic stage with an initial investment of over $26 million (Rs. 825 million). The plant has been commissioned in June 1993. A further investment of $50 million (Rs. 1500 million) is planned for the next 3 years for expansion/addition of products. The Company is looking for enterprising professionals to assume responsibilities as:

**PRESIDENT (FERMENTATION)**

The incumbent shall be a hands on antibiotics fermentation man. He should have Ph.d in Microbiology or Biochemistry or Masters in Chemical Engineering. He must have demonstrative skills in technology and man management, and commercial acumen. Age below 50 years.

Preference will be given to candidates having experience in Rifampicin, Erythromycin and similar products.

**GENERAL MANAGER (MICROBIOLOGY)**

The incumbent will motivate and lead a team of Microbiologists, Biochemists and other professionals for effective operation of the Antibiotic Fermentation Laboratories, comprising of Plant Laboratory and Fermentation Strain Improvement Laboratory.

The Candidate should have Ph.d in Microbiology from a reputed university with about 10 years of intensive hands on experience in running an industrial fermentation laboratory and process scale-ups. Good knowledge of molecular biology and microbial genetics with experience in industrial strain improvement and fermentation process development is desired. Age below 45 years.

The Company offers excellent opportunities for advancement. The compensation and perks will be among the most attractive, befitting the person. Kindly write in strict confidence to:

Mr.K.K. Sharma, Managing Director,
**LUPIN CHEMICALS LIMITED**, 159 CST Road, Santacruz (East), Bombay 400 098.

OR call Tel No. 6113485 (IST 09:15 Hrs. to 18:15 Hrs.)
Tel.No.6105107 (IST 21:00 Hrs. to 22:30 Hrs.)

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Lectureship in the Department of Physiology

(Ref. 93/94-69)

Applications are invited for two posts of Lectureship in the Department of Physiology, tenable from 1 September 1994 and 1 April 1995 respectively. The appointments will be made on a fixed-term basis for a period of three years, with a possibility of renewal.

The appointees will be required to participate in the teaching of physiology to dental, medical and speech and hearing sciences students. Preference will be given to applicants with higher degrees in Physiology or medical or dental degrees.

**Annual salary** [non-superannuable but attracting 15% (taxable) terminal gratuity] is on an 11-point scale with starting salary depending on qualifications and experience: HK$377,220 - HK$630,180 (approx. US$48,990 - US$81,842; US Dollar equivalents as at 5 May 1994). At current rates salaries tax will not exceed 15% of gross income. Children’s education allowances, leave, and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of 7.5% of salary.

**Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 559 2058; E-mail: APPTUNIT@HKUVM1.HKU.HK). Particulars are also available on the University’s listserv accessed by E-mail as “listserv@hkuvml.hku.hk” (specify “get appntment filelist” for list of vacant posts, and “help” for details of listserv commands). Closes 8 July 1994.**
POSTDOCTORAL/RESEARCH ASSOCIATE

Investigation of synaptic integration in retinas using patch-clamp recording from slices. Position open immediately. Must have previous experience either with retina or with single-cell electrophysiology. Salary $27,000 plus health. Send curriculum vitae and three references to: Prof. Ana J. Novas, School of Biological Sciences, University of Texas at Austin, Austin, TX 78712. Phone: (512) 471-9599.

POSTDOCTORAL RESEARCH AFFILIATE position (NIH-FUNDED) available immediately. Ph.D. Molecular Immunology. Applicant should have expertise in working with mRNAs, preparation of cDNA, Northern, Southern, and Western Analyses and fluorescent in situ hybridization of mRNAs and cDNAs. Tissue culture experience is also required. Send curriculum vitae and three letters of recommendation to: Dr. Victoria Wicher, Wadsworth Center for Labs and Research, New York State Department of Health, Albany, NY 12201. Fax: (518) 473-1326.

Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION

To investigate the use of polymorphisms in human DNA for forensic analysis and for mapping of genetically based diseases due to single gene or polygenic mutations. Familiarity with statistical methods for analyzing population data and experience in DNA sequencing, PCR-based amplification of mini and microsatellites and general methodologies for DNA analysis is highly desirable. Position open immediately. Send curriculum vitae and three letters of reference to: Dr. Terry W. Fenger, Department of Microbiology, Immunology and Molecular Genetics, Marshall University of Medicine, 1542 Spring Valley Drive, Huntington, WV 25755-9330.

Marshall University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

CELLULAR NEUROBIOLOGY POSTDOCTORAL RESEARCH ASSOCIATE POSITION available (fall 1994) to study epigenetic influences of transported factors (including neurotransmitters) on the regulation of gene expression and neuroplasticity and associated transmitter enzymes in mature visceral sensory neurons. Ph.D. in neuroscience or related biomedical science and an international background in transmitter expression and transmitter plasticity in adult animals is required. History in chemistry and immunocytochemistry, and primary neuronal cultures is desirable. This person will be an employee of Dr. Henry J. McMahon, Jackson Foundation. Send curriculum vitae and names of 3 references to: C.J. Helke, Uniformed Services of the Health Sciences (USUHS), 4301 Jones Bridge Road, Bethesda, MD 20814 USA. Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST

Position is immediately available to study HIV-1 and related retroviruses and retroviral core proteins and enzymes. Position offers opportunity to collaborate with other scientists at a multi-institutional site. Send curriculum vitae and names and addresses of three references and salary requirements to: David Benjamin, M.D., 1232 James Cancer Hospital and Research Institute, The Ohio State University, 4400 W. 10th Avenue, Columbus, OH 43210–1228. Phone: (614) 392-3716, Fax: (614) 293-4372.


BOX 50
SCIENCE Classified Advertising
1333 H Street, N.W., Room 814
Washington, DC 20005

RESEARCH ASSOCIATE. Position immediately available in prokaryotic genetics laboratory to study basic and applied aspects of recombinant biotechnology, using drugs biodegradable plastic. Ph.D. and experience in recombinant DNA techniques required. Applicant will also supervise undergraduate researchers and teach an occasional lecture. Salary range is from $28,000 to $32,000, depending on experience and qualifications. Send curriculum vitae and names of three professional references to: Dr. Douglas R. J. J. Muir, Department of Microbiology, J. M. D. University (JMU), Harrisonburg, VA 22807. JMU is an Affirmative Action/Equal Opportunity Employer and specifically encourages applications from women and minorities.

SENIOR RESEARCH SCIENTIST

Drug Disposition

RHONE-POULENC RORER, a global leader in pharmaceutical research, seeks a position available for an individual to investigate drug disposition issues associated with new discovery compounds. Duties include developing original research proposals, conducting experiments relating to cellular or molecular drug transport, and presenting results. To qualify, you should have a Ph.D. in Chemistry, Biochemistry or related discipline with 2 to 3 years of molecular biology experience. A strong background in drug metabolism and membrane transport is required.

RHONE-POULENC RORER offers a highly competitive salary, a superior work environment and opportunities for continued growth. For immediate consideration, forward your resume with salary history to: RHONE-POULENC RORER, RESEARCH AND DEVELOPMENT Department R-140, Mail Stop H15, 500 Arcola Road, Colleage, PA 19426. We are an Equal Opportunity Employer, M/F/D/V.

SENIOR MOLECULAR NEUROBIOLOGIST

The Laboratory of Neurochemistry, Division of Intramural Research, National Institute of Neurological Disorders and Stroke, National Institutes of Health, seeks a candidate for a senior molecular neurobiologist to study the molecular mechanisms of Central Nervous System Development in Drosophila melanogaster with particular emphasis on the biology of neuronal precursor genes. The candidate must have a substantial postdoctoral experience in analyzing transcriptional regulation of gene expression, cDNA cloning, protein expression and purification, in situ hybridization, immunohistochemical techniques and in vivo use of transgenic techniques in refereed journals. The candidate is expected to develop an original project in connection with other ongoing studies of CNS development. For qualifications, the salary range is $40,000 to $50,000 per year. Interested candidates should send curriculum vitae and three letters of reference to: Dr. Ward Odendahl, National Institutes of Health, Laboratory of Neurochemistry, 9000 Rockville Pike, Building 36, Room 4D20, Bethesda, MD 20892.

NIH is an Equal Opportunity Employer

MOLECULAR BIOLOGIST

The Midland Certified Reagent Company, a leading manufacturer and supplier of laboratory reagents, seeks an experienced molecular biologist for its expanding molecular biology department. The prospective candidate must be able to work independently in all aspects of synthetic gene construction including bacteriology, molecular cloning, and DNA sequencing. The position entails flexible evening/night shift work with overnight overtime available at a rate of 1.5. B.S. or M.S. degree in molecular biology, microbiology, or biochemistry and laboratory and/or research experience in molecular biology is required.


DEPARTMENT OF AGRICULTURE (USDA)
AGRICULTURAL RESEARCH SERVICE (ARS)

RESEARCH MICROBIAL MOLECULAR BIOLOGIST, Biocontrol of Plant Diseases Laboratory, Beltsville, Maryland. (Research Associate–2 Year Appointment)

ARS is seeking a Research Microbial Molecular Biologist to initiate and expand a new molecular biology program of research in microbial control microorganisms, especially antagonistic or pathogenic fungi effective against pathogens or undesirable plants and to develop a fundamental research program studying stress responses in bacterial and fungal biocontrol agents using restriction fragment length polymorphism (RFLP) or other molecular technologies. Candidate must have a Ph.D. degree and experience in molecular biology/plant pathology. Must be a U.S. citizen. Salary is commensurate with experience (range $25,000 to $45,561 per annum). For information on the research program and/or position, contact (Dr. Robert D. Lumaden, Telephone: (301) 504-5682, FAX: (301) 504-5968). For information on application procedures/forms contact (Roberta Saah, Telephone: 301-344-2949). Applications in response to this advertisement will be accepted with announcement number RA-4-005. Mail completed applications to: Dr. R. D. Lumaden, USDA-ARS, Biocontrol of Plant Diseases Lab, Building 011A, Room 274, BARC West, Beltsville, MD 20705, by June 30, 1994. An Equal Opportunity Employer.

RESEARCH NEUROViroLOGIST

The Department of Neurology at the University of Minnesota, Minneapolis, seeks an independent investigator for a Research Associate virologist position. The position will be an annually renewable appointment. This investigator will participate in studies using animal models of pathogenesis of HIV infection in the nervous system and its relationship to neural dysfunction and the AIDS dementia complex. These studies are carried out in the context of a multidisciplinary effort that involves investigators from the Division of biologic sciences and clinical research. Candidates must have a Ph.D. in virology or a related field and past experience and a publication record in contemporary pathogenetic and molecular neurovirology, as well as a record of or high potential for gaining independent grant support. Applicants should respond with curriculum vitae to: Dr. Richard W. Price, Professor and Head, Department of Neurology, University of Minnesota, 295 30th Ave S, Minneapolis, Minnesota, 55455. Last date for receipt of applications is June 15, 1994. Start Date: July 1, 1994. The University of Minnesota is an Equal Opportunity Educator and Employer.

CVD Cardiovascular Molecular BIOLoGISTS

Applications are invited for research staff positions as independent investigators in the Montreal Heart Insti-
tute Research Centre. A physical expansion will create space for an additional general cardiovascular biology laboratory that will complement and interact with ongoing research programs in cardiovascular cellular electrophysiology and biochemistry, vascular biology, myocardial protection, and myocardial failure and remodelling. Candidates should have Ph.D. and/or extensive postdoctoral training in molecular biology. Particular areas of interest to the Centre include regulated protein structure-function and regulation, the control of myocardial and vascular cell expression and growth, and factors governing the arterial response to injury and to prevent this post-injury start-up funding is available, as well as support for ongoing research programs. Appropriate candidates will be eligible for tenure-track appointments within the Department of Medicine at the University of Montreal. Please send your application to: Dr. Stanley Nattel, Director, Research Centre, Montreal Heart Institute, 2000 chemin Ste Catherine East, Montreal, Quebec, Canada H3T 1C8.

BIOMECHanical ENGINEER

The University of Nebraska Medical Center Department of Orthopedics is seeking a full-time biomechanical engineer, Ph.D., capable of running a multifaceted orthopedic surgery laboratory, and participating in postgraduate education. The University of Nebraka Medical Center is an Equal Opportunity/Affirmative Action Employer. Send curriculum vitae to: James R. Neil, M.D., Division of Orthopedic Surgery, University of Nebraska Medical Center, 600 South 42nd Street, Box 981080, Omaha, NE 68198–1080.
PLANT ECOLOGIST AND NEPA/PUBLIC INVOLVEMENT SPECIALIST
ARGONNE NATIONAL LABORATORY

Plant Ecologist: Argonne's main facility located near Chicago, Illinois, is seeking qualified applicants with experience in conducting environmental studies on the effects of human disturbances on terrestrial and wetland plant communities. The person selected will have a Ph.D. with extensive knowledge of basic plant ecology, plant community structure and successional dynamics. Considerable skill in conducting research and analytical assessment studies and in computerized data management, along with strong communication skills and a record of peer reviewed publications are also prerequisites. 

NEPA/Public Involvement Specialist: Argonne's Washington, D.C. Office is seeking applicants with a Ph.D. or equivalent in social science and 3-5 years of NEPA project management experience. We are especially interested in a person experienced in planning for and implementing public participation activities for federal programs/projects. Considerable knowledge in social impact analysis research techniques is required. Demonstrated record of technical publications and considerable written and oral skills are also prerequisites. 

We offer an excellent salary commensurate with your background, as well as a comprehensive benefits plan. For prompt consideration, reference the applicable position number and send your resume to: M. Walker, EAD-(insert appropriate Box #)-55, Employment and Placement, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439. 

JPL/NASA VISITING SENIOR SCIENTIST PROGRAM
Mission to Planet Earth Division Ocean Biogeochemistry

The Jet Propulsion Laboratory invites applications to the Visiting Senior Scientist Program to provide advice and assistance to management in the Ocean Biogeochemistry Program within the Science Division of the Office of Mission to Planet Earth at NASA Headquarters. The Visiting Senior Scientist oversees and coordinates multidisciplinary research and development activities in biological and chemical oceanography. These activities include process-oriented field campaigns, remote sensing, modeling, and instrumentation. Development efforts within NASA and coordination with other agencies and institutions, the commercial sector, and international organizations.

The Visiting Senior Scientist plays a major role in advising NASA on data management and technology development needs to support a cutting-edge national oceanography program. The successful applicant would be expected to (1) provide advice and guidance on the management of the Ocean Biogeochemistry Program to effectively address NASA's research in global change; (2) act as Program Scientist for the SeaStar/SeaWiFS ocean color mission; (3) act as Program Scientist for various instruments of the Earth Observing System (EOS); and (4) interact with the sciences and institutions, and international organizations to build a robust research program.

Candidates must hold a Ph.D. or have accumulated equivalent experience in biological and chemical oceanography; a record of research publications in the refereed literature; be familiar with science funding mechanisms; and have strong verbal and written communication skills. Knowledge of U.S. and foreign satellite sensors, and experience in the use of satellite data is desirable. Familiarity with oceanography and remote sensing is desirable. The start date is September 1, 1994 or as soon as possible. Normal assignment does not exceed two years. Appointees must be U.S. citizens or permanent residents.

Additional information about this position may be obtained from Anthony Janetos at NASA Headquarters (202) 358-0272. Please provide curriculum vitae, biography, and the name and address of four references to: Dr. Frederick H. Stair, Jet Propulsion Laboratory, 4800 Oak Grove Rd., Mail Stop 183-900, Pasadena, CA 91109. (818) 354-8251. An Equal Opportunity Employer M/F.

The Integrated Approach to Brain Disease

Trophix Pharmaceuticals, Inc. is an early stage biopharmaceutical company devoted to developing novel therapeutics for neurological and neuropsychiatric disorders by integrating the latest advances in cell and molecular neurobiology, neuropharmacology and medicinal chemistry.

MOLECULAR PHARMACOLOGY

Research Scientist

As part of our drug discovery team, you will evaluate drug-receptor interactions using heterologous expression systems. The successful candidate will possess a Ph.D. in Pharmacology or Biochemistry, a minimum of two years Postdoctoral experience, and extensive knowledge of G-protein coupled receptors and second messengers.

Research Associate

Candidates should possess a BS/MS in Biology, knowledge of receptor binding and second-messenger assays (RIA, ELISA, PI turnover), familiarity with computer spreadsheets & analysis programs, and a minimum of two years laboratory experience (industrial preferred).

CHEMISTRY

Research Scientist in Molecular Modeling

The qualified Ph.D.-level candidate must be familiar with current software packages in the area of drug discovery and be willing to work with a group of synthetic chemists in designing and selecting new drug candidates.

Research Scientist in Synthetic Chemistry

Candidates must have a BS/MS degree in chemistry, experience in the multi-step synthesis of organic molecules, interpretation of spectral data, and accurate record keeping.

Trophix is located in South Plainfield, New Jersey, approximately 40 minutes from New York City. Send your resume along with salary history and references to: Trophix Pharmaceuticals, Inc., 40 Cragwood Road, South Plainfield, NJ 07080, Attn: Human Resources - MPP/CHM.

TROPHIX PHARMACEUTICALS, INC.
Alliance Pharmaceutical Corp. is a San Diego-based leader in the development of pharmaceutical perfluorochemical and emulsion technologies. We seek the following:

**PRINCIPAL SCIENTIST**
Design and conduct preclinical pharmacokinetic and drug metabolism studies, and analyze pharmacokinetic data from human clinical trials. Requires PhD in Pharmaceutical Sciences with emphasis on Pharmacokinetics, Biopharmaceutics and/or Drug Metabolism with 3-5 yrs’ post-grad exp; or MS with 5-10 yrs’ exp. Industrial exp preferred. Must have exceptional understanding of pharmacokinetics and metabolism principles, exp in bioanalytical methods development including radiometric techniques, and exp in use of pharmacokinetic and statistical software packages to solve kinetic problems. Excellent verbal and written communication skills essential.

**Code:** PS

**SENIOR RESEARCH SCIENTIST**
We are developing treatments for respiratory distress syndrome and contrast agents for biomedical imaging, and seek individual with primary research focus in pulmonary physiology/pharmacology or diagnostic imaging. Will conduct independent research and develop new experimental models as needed to support preclinical efficacy for perfluorochemical liquid ventilation or use of novel ultrasound contrast agents. Requires PhD in Physiology, Biomedical Engineering, Pharmacology or related field with 0-3 yrs’ post-grad exp. A desire and interest in working “hands-on” in the laboratory essential.

**Code:** SRS

Submit resume and salary history to: Alliance Pharmaceutical Corp., Attn: HR. Code (see above), 3040 Science Park Road, San Diego, CA 92121. No phone calls please. EOE.
CAMBRIDGE NEUROSCIENCE

At Cambridge Neuroscience, we’ve made significant strides in neuropharmacological research. Our talented team is developing unique medicines to treat major disorders of the central nervous system. By combining our expertise in chemistry, biotechnology and pharmacology and collaborating with leading academic institutions and experts, we’ve reached significant milestones. Now, we’re seeking to expand our group of intelligent, dedicated professionals to help us bring our research to market.

Staff Scientist

We have an immediate opening for a Staff Scientist on our growth factor team. This group is dedicated to the identification and characterization of factors which may be used in the treatment of peripheral neural and muscular disorders. An ideal candidate should possess skills in molecular genetics and cell biology, preferably applied to nerve and/or muscle biology. Candidates should have a Ph.D. with a minimum two to four years of experience in molecular and cellular biology or a related discipline and a strong desire to contribute to a team effort.

Cambridge Neuroscience, Inc., offers competitive salaries and benefits. For immediate consideration, send your resume, to: Cambridge Neuroscience, Inc., Human Resources-SM, One Kendall Square, Building 700, Cambridge, MA 02139.

An Equal Opportunity Employer.

RESEARCH UPDATE

Cyanamid now ranks sixth largest global crop protection company.

American Cyanamid Company's recent acquisition of Shell's international crop protection business has enhanced our standing in the global agricultural market raising our status from 10th to 6th largest. This development promises a significant increase in earnings and in the research and development of new products.

Post Doctoral Scientist

Insecticide Discovery

We currently seek a Post Doctoral Scientist to join us in our goal of expanding the host-range of any given baculovirus to meet the control needs (within Lepidoptera) of specific crop situations. Successful candidate will investigate the genetic basis for baculovirus host-range limitation. This includes conducting non-target insect species evaluations with genetically engineered baculoviruses. We require a PhD or equivalent in entomology, molecular biology or virology and postdoctoral experience in standard molecular biology processes and techniques. Some background in virology is desirable.

American Cyanamid Company offers an excellent compensation and benefits package which includes 401(k) savings plan, flex-time work schedules and a competitive location from New York City or Philadelphia. To explore this opportunity forward your resume to: Employment Office, Dept. IG, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08543-0400. An Equal Opportunity Employer.

Rowe Chair of Human Molecular Medicine and Genetics: The University of California, Davis, School of Medicine announces the search for the Albert Holmes Rowe Chair of Human Molecular Medicine and Genetics. The Rowe Chair will develop a basic research and teaching program in molecular medicine and genetics which can utilize mammalian, animal, human and/or cell culture models. The initial term will involve the selection of positions funded by the School of Medicine and the Division of Biological Sciences which will support campus initiatives in molecular and cellular biology. Incumbent will be expected to play a prominent leadership role in the recruitment of faculty who have demonstrated ability and achievement in investigator-initiated discovery research.

Successful candidates must possess an M.D. or Ph.D. degree and an outstanding record in high quality basic molecular biological discovery research. Please forward the following: (1) letter describing research, teaching, and administrative background; (2) curriculum vitae; and (3) names and addresses of five references. For more information, contact Dean of Graduate Education at 530-752-1000. Applications will be considered until the position is filled. Applications should be submitted by April 30, 1994.

Cambridge Neuroscience, Inc., offers competitive salaries and benefits. For immediate consideration, send your resume, to: Cambridge Neuroscience, Inc., Human Resources-SM, One Kendall Square, Building 700, Cambridge, MA 02139.

An Equal Opportunity Employer.

Senior Vice President for Research and Graduate Education

University of Hawaii at Manoa

The President/Chancellor and members of the Board of Regents of the University of Hawaii invite nominations and applications for the position of Senior Vice President for Research and Graduate Education at the University of Hawaii at Manoa. The appointment will be effective in Fall 1994.

The University of Hawaii system is comprised of 10 undergraduate and graduate campuses. As the largest of the 10 campuses, the University of Hawaii at Manoa offers doctoral and professional degrees in 56 areas of study, including law and medicine, with strengths that reflect its geographic advantage in the study of ocean and earth sciences, astronomy, biodiversity, and Asian and Pacific studies. UH-Manoa is a diverse, multi-cultural, international, research institution, with more than 20,000 undergraduate and graduate students, 5,500 employees, and an annual budget of $230 million. An additional $120 million in extramural funds is generated annually.

The Senior Vice President for Research and Graduate Education reports to the University of Hawaii President/Chancellor and serves as the chief policy advisor in areas of research, training, and graduate education. The Senior Vice President for Research and Graduate Education is responsible for the administration of research and training grants throughout the 10-campus system; determines policies, directions, and priorities for research, training, and graduate education; and oversees research institutes and graduate programs through the respective deans and directors. The Senior Vice President for Research and Graduate Education is responsible for promoting new initiatives, facilitating scholarly activity, and maintaining international standards of excellence in research, training, and graduate education.

Applicants for this position should possess senior-level experience in the leadership and administration of large, diverse and complex organizations, preferably research universities, and a strong scholarly record. An earned doctorate or equivalent terminal degree and full professorial rank are requirements for the position.

Applications should be submitted in writing, and a letter addressing their qualifications for the position in terms of the requirements above. Applications and nominations should be sent to:

Dr. Brian Issell, Chair
Search Committee for the Senior Vice President for Research and Graduate Education
540 Burnside Hall, University of Hawaii
Boca Raton, FL 33436

Applications are also invited online at http://www.hawaii.edu/academic/hrv/positions.html

The review of applications will begin June 30, 1994 and continue until the position is filled. The University of Hawaii is an equal opportunity/affirmative action institution and encourages applications from and nominations of women and minority candidates.
Positions Open

Molecular Biologist

Midwest Research Institute (MRI), a leading contract research organization is seeking an outstanding Molecular Biologist to develop methods and conduct analyses to support new programs in biotechnology, biopharmaceutical development, and preclinical toxicology studies. In addition, will support programs in bioremediation and bio-monitoring of air quality. Successful candidate will possess a Ph.D. with five years of experience with proven skills in microbiology and molecular genetics, especially DNA probe analysis, PCR, and gene cloning and with experience in infectious diseases, either research or diagnostics, bioassay, characterization, and isolation of complex biomolecules. The ability to communicate effectively and interact with clients and internal staff is also required. MRI offers competitive compensation, a comprehensive benefits package, paid relocation and a unique environment enhancing professional growth and challenge. Interested candidates, please FAX or send resume to: Midwest Research Institute, Attention Human Resources RFE# 94-332-1, 425 Volker Boulevard, Kansas City, MO 64110-2299; Telephone: (816) 783-7600, FAX: (816) 783-8420, Equal Employment Opportunity/Affirmative Action, M/F/D/V; a drug-screening employer.

Physicist: Requirements: Ph.D. (Physics), 2 years of experience in position or 2 years of experience in university teaching and research, or in postdoctoral research, plus experience in lab work in Solid State, Material Science, Optics and Laser Physics and in designing and evaluating experiments, knowledge of processing and making techniques of thin optical films and knowledge of optical and spectroscopic properties of molecules, material processing, and optical system design. Candidate will be required to develop new materials for electronic-optics and magneto-optics applications; prepare thin films and solutions; design, monitor and analyze lab experiments; design and conceive models to study the optical properties of materials; make Electronic Energy Calculations and formulate theories; calculate and model the Radiation Matter Interaction and Radiation Propagation in materials; achieve compact optical design for application specific optics. $40,000 per year, 40 hours per week. Apply promptly by 2 copies of resume: Department of Employment and Training, Case # 40143, P.O. Box 8968, Boston, MA 02114.

University of Pennsylvania

Available immediately for studies on anesthetic modulation of vascular cell function. Mechanisms being examined include signal transduction and mediator production in cultured vascular cells, and microvascular and regional hemodynamics in intact animals. Applicants should have a Ph.D. in biological/life science. Experience in intact animal models to study cardiovascular function and microcirculatory dynamics and tissue culture preferred. Applicants should send curriculum vitae and names of three references to: Dr. Alex Loev, Department of Anesthesia, University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104-4283. E-mail to: loev@alinsd.upenn.edu.

Announcements

M.E. Fund

The trustees of the Dutch M.E. Fund and its Science Board will offer an award, consisting of a sculpture and $10,000 Dutch guilders, for the best scientific article on M.E. (myalgic encephalomyelitis, also known as "chronic fatigue syndrome"), published on or after January 1, 1993. The winner is expected to accept the award in person and give the Dutch M.E. Award Lecture. Travel and accommodation expenses will be paid for.

Applicants must send an offprint or photocopy of their article, together with a cover letter stating their candidacy, to the secretariat of the Dutch M.E. Fund before September 1, 1994. The award ceremony is scheduled for early December 1994.


Meetings

Association de Recherche pour le Traitement des Seropositifs (ARTS)
Hôpital Laennec, Université de Paris V
First International Symposium on CELLULAR APPROACHES TO THE CONTROL OF HIV DISEASE
Paris, July 11-12, 1994
Organizers: Jean-Marie Andreu, Wei Lu, Philippe Bimmer
Topics:
- Immune activation and pathogenesis of HIV infection.
- Activation-induced apoptosis in the immune system and HIV disease.
- Mediators of T-cell/macrophage activation, apoptosis, and HIV replication.
- Therapeutic implications.

Abstracts (one-page A4) are welcome by FAX (+33 1 4222-0384 or +33 1 4439-0465). Registration: all information can be obtained from: Scape/HIV, 8 rue Severo, 75014 Paris; Telephone: +33 1 4542-8874, FAX: +33 1 4044-5257.

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Science • Vol. 264 • 27 May 1994
While Other DNA Suppliers Promise You The World, Operon Actually Delivers It.

Operon is the world’s leading supplier of DNA. And we maintain that leadership by consistently delivering exactly the product you need. On time. With unsurpassed purity. Backed by an unconditional guarantee. And at an extremely competitive price.

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- **Maximum Sensitivity** to reduce exposure times for "S," P, "C and some chemiluminescent applications.

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For more information call (800) 243-2555, (203) 786-5600 or fax (203) 786-5694. In the U.K., contact IBI, Ltd. at 0223 242813.

To order BioMax MR film, contact your local distributor of Kodak autoradiography films.

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