Science Personnel Placement Line Classified Advertisements

POSITIONS OPEN

Section of Ecology and Systematics
Division of Biological Sciences
CORNELL UNIVERSITY

TERRESTRIAL ECOLOGIST: The Section of Ecology and Systematics invites applications for a tenure-track position in ecosystem science at the level of assistant professor, or at the level of beginning associate professor. The Section seeks a broadly trained, creative, and experienced ecosystem scientist or biogeochemist to complement current strengths in plant productivity, atmospheric carbon exchanges, and the carbon cycle. The successful candidate is expected to teach general microbiology, environmental microbiology and/or applied microbiology. The successful candidate will also advise undergraduate and graduate students, conduct research involving both laboratory and field-based work, and participate in faculty governance. Earned doctorate with microbiology emphasis required at time of employment. Position is tenure-track. Demonstrated ability to conduct independent research in an under-graduate/graduate setting is desired. Opportunity for collaboration exists with many other departments at the University. Send curriculum vitae, transcripts, and three letters of reference to: Dr. Bill Besler, Microbiology Search Committee, Biology Department, MSU Box 34, Manistique State, Manistique, MN 59012-8400 or call (507) 389-2786. Application deadline January 22, 1993 or until filled. Manistique is located approximately 85 miles southeast of Minneapolis/St. Paul with a local popula-tion of around 40,000. The University has a student population of 15,000, and is noted for a strong commitment to regional service and education. Application from minor-ities and women encouraged. MSU is an Equal Opportunity/Affirmative Action Employer.

The Applied Mechanics Division of the Mechanical Engineering Department of Stanford University an-nounces an opening for a tenure-line faculty position at the ASSISTANT PROFESSOR level. Interested appli-cants should have strong teaching and research interests in the general area of dynamics, including complex large multibody systems, nonlinear dynamical systems, numer-ical analysis and flexible/ rigid body systems. Emphasis is placed on the application of modern techniques of dyn-aics to problems in bioengineering, including (but not restricted to) dynamics of biological systems and human motion.

Stanford University is an Equal Opportunity Affirmative Action Employer and welcomes applications from interested minority candidates.

Applicants should submit a current résumé and a list of publications and three referee names. Application materials should be sent to: PROFESSOR C. J. Simo, Chairman, Search Committee, Division of Applied Mechanics, Durand Building Room 252, Stanford University, Stanford, CA 94305-4040.

BIOCHEMIST VERTEBRATE PHYSIOLOGIST

East Carolina University, Department of Biological Science has openings for two full-time tenure-track faculty positions at the ASSISTANT PROFESSOR level beginning August 19, 1993. The successful applicants will be expected to develop fundable research programs, train graduate/undergraduate students, and teach graduate/undergraduate courses in their field of interest.

1. Biochemist applicants should have research interests complementary to departmental strengths in aquatic science/ecology and molecular biology/biotechnology. Teaching responsibilities include general biochemistry.

2. Vertebrate Physiologist applicants should have research interests reflecting faculty expertise in aquatic/terrestrial ecology or population biology; teaching responsibilities include general physiology.

The Department offers B.S. degrees in Biology and in Biochemistry, and M.S. degrees in Biology and in Molecular Biology/ Biotechnology. The Department has 30 faculty, 150 graduate students, and over 500 undergraduate majors.

Competitive salary and start-up funds. Applicants should submit curriculum vitae, a brief description of proposed research, and names, addresses, and telephone numbers of three references by February 5, 1993 to: Dr. Wendell E. Allen (biochemist) or Dr. Roger Ruliffson (physiologist), Department of Biology, East Carolina University, Greenville, NC 27858-4343. Official transcrip-tions should be made available at time of appointment. An Equal Opportuni-ty/Affirmative Action University. Applicants must com-ply with provisions of the Immigration Reform and Control Act.
THE SCRIPPS RESEARCH INSTITUTE
Ph.D. Programs
Macromolecular and Cellular Structure and Chemistry
Chemistry
The Scripps Research Institute will admit 5-10 highly qualified students for the fall of 1993 to begin studies for a Ph.D. program integrating cell and molecular biology with structure and chemistry, and 5-10 students for a Ph.D. program in chemistry.
Candidates for these programs must have earned a bachelor's degree and have a strong background in biology and/or chemistry. Qualified applicants will be asked to visit the Research Institute for an interview. Financial support will be provided to all accepted students.
Individuals interested in applying to either graduate program should contact the Office of Graduate Studies to receive a program brochure and application at:

The Scripps Research Institute
Office of Graduate Studies, IMM 21
10666 North Torrey Pines Road
La Jolla, CA 92037
TEL: (619)554-8469
FAX: (619)554-6602

These graduate programs are authorized by the California State Department of Education.

An Equal Opportunity Employer

CHAIR
DEPARTMENT OF
BIOLOGICAL SCIENCES
MURRAY STATE UNIVERSITY
The Murray State University College of Science invites nominations and applications for the position of Chair, Department of Biological Sciences. Minimum qualifications include, Ph.D. in a biological science, evidence of excellence in research and teaching, service, and a commitment to undergraduate teaching. The successful candidate must have an understanding of the teaching, research, and service roles of a regional university and the ability to interact with activities ranging from molecular biology to wildlife management.

Murray State University is a regional state supported institution located in western Kentucky. It has an enrollment of 11,000 students and awards bachelor's and master's degrees in biology. There are 15 faculty members, 400 majors and 28 graduate students. Facilities include the Hancock Biological Station on Kentucky Lake which is a focus of departmental activities in the Center for Reservoir Research. The chair serves on the Center's steering committee which provides support for interdisciplinary ecosystem studies.

This is a 12-month tenure track appointment at the associate or full professor level. Salary commensurate with education and experience. Review of applications will begin on January 1, 1993 and continue until the position is filled. Starting date is July 1, 1993. Applications should include curriculum vitae, a statement of research, teaching, and administrative philosophy, and names and addresses of at least three references, and should be sent to:

Dr. Harold Eversmeyer
Chair, Search Committee
Department of Biological Sciences
Murray State University
Murray, KY 42071-3306
502/758-2786

Murray State University does not discriminate on the basis of race, color, national origin, sex, handicap, age, or handicap in its programs or activities. For further information contact The Murray State University Equal Opportunity Office: 502/758-3165.

A TIME FOR ACHIEVEMENT

Glaxo Inc., one of the largest pharmaceutical companies in the world, has an established record of developing the highest quality prescription medicines for unmet patient needs. Located in Research Triangle Park, NC, the new Glaxo Inc. Research Institute is a premier facility which provides a stimulating environment for scientists working in all aspects of discovery and development. We invite you to join us today in one of the following openings.

SR. SCIENTIST
Cancer Research

This opening, within our Cell Biology Department, is for a MOLECULAR BIOLOGIST/BIOCHEMIST with experience in the regulation of cell cycle progression in mammalian cells. This individual will develop and lead a research project focusing on CHECKPOINT CONTROL of the CELL CYCLE as a potential target for novel cancer chemotherapy. The purpose of this research commitment is to integrate an understanding of cell cycle regulation with that of genomic integrity, DNA repair, and induction of apoptosis.

We seek an energetic individual who possesses excellent leadership ability and can actively collaborate with research teams both inside and outside the company. A Ph.D. or M.D. with a minimum of 3 years relevant post-doctoral experience and a proven record of achievement is required.

Please refer to position title and Job # 9115B116-SC on all resumes.

SR. SCIENTIST
Diabetes Research

This opening, within our Cell Physiology & Biophysics Department, will join our multi-disciplinary team of scientists in the investigation of physiologic glucose control and innovative molecular targets for the therapy of Diabetes Mellitus.

Ph.D. in the sciences, or M.D., and 2+ years relevant experience is required.

Please refer to position title and Job # 9115B006-SC on all resumes.

Join Glaxo and enjoy excellent salaries, flexible benefits, an on-site fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world famous scientific, industrial and academic community in Research Triangle Park, NC. Send your resume, WHICH MUST INCLUDE POSITION TITLE AND CORRESPONDING JOB # NOTED ABOVE, to: Human Resources Department, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.

Glaxo Inc.
POSITIONS OPEN

ARTHROPOD SYSTEMATIST. ASSISTANT PROFESSOR, tenure-track (80% research, 20% teaching). Applicants must have a Ph.D. in entomology, evolutionary biology, or a related field, with specialty in arthropod systematics; experience and interest in applying molecular/biochemical techniques to the systematics of a group of insects. Assistant Professor level. Written application containing a statement of research and teaching goals, curriculum vitae, reprints, and the names of three referees should be sent to Dr. J. D. Harper, Department of Entomology, Box 7613, North Carolina State University, Raleigh, NC 27695–7613 by 1 April 1993. NCSU is an Equal Opportunity Employer and operates under Affirmative Action policy.

FACULTY POSITION IN CELL BIOLOGY

The Cell Department of Cell Biology and Neurosciences of the University of Texas Southwestern Medical Center at Dallas seeks applications for a tenure-track position at the level of ASSISTANT PROFESSOR. Applicants must have a relevant Ph.D. or M.D. degree, appropriate postdoctoral training, and show evidence of firm commitment to a career in independent research. We are particularly interested in those MOTIVATED, and highly motivated, who can pursue the application of cell and molecular techniques at the cellular level the fundamental mechanisms of human disease. Responsibilities include teaching of medical and graduate students after the first year of employment. Send curriculum vitae, a brief description of proposed research, and three letters of reference to: Richard G. W. Anderson, Ph.D., Department of Cell Biology & Neuroscience, UT Southwestern, 5323 Harry Hines Boulevard, Dallas TX 75235–9039. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PATOLOGY, TENURE-TRACK: We seek candidates with strong disciplinary backgrounds in pathology, cell and molecular biology, and genetics who can make significant contributions in cellular and molecular pathology. Existing programs include oncology, transgenic mice as models of human disease, inflammation, growth factors, and lysosomal storage disease. Teaching, resident training, and hospital and service pathology commitments are minimal but important. The D.V.M. degree and excellent research credentials are required; ACVP Board Certification or eligibility is desirable. Salary is competitive; the benefits package is commensurate with the appointment. Start date is flexible and informal inquiries are encouraged. Send curriculum vitae, three letters of reference, and statement of career goals to: R. J. Flechtner, Chairman, Pathology Search Committee, Department of Pathobiology, College of Veterinary Medicine, University of Tennessee, Knoxville, TN 37901–1071, Telephone: (615) 974-8234.

The University of Tennessee Health Science Center is an Equal Opportunity/Affirmative Action Employer.

CLINICAL CHEMISTRY—ASSISTANT PROFESSOR OF CHEMISTRY. The Department of Chemistry at Cleveland State University (CSU) invites applications for a tenure-track faculty position in Clinical Chemistry at the Associate Professor level. A Ph.D. or equivalent in Clinical Chemistry, Biochemistry or Biochemistry and eligibility for certification by the American Board of Clinical Chemistry (ABCC) is required. Responsibilities will include teaching undergraduate chemistry courses and graduate clinical chemistry courses and establishing links with other departments. Candidates may develop a research program in some area of Clinical Chemistry at the undergraduate and Ph.D. levels. The Clinical Chemistry program at Cleveland State University is affiliated with the MetroHealth System of Cleveland, OH, a teaching hospital and has CONNAC accreditation at the Ph.D. level. The position is subject to funding availability for the first year of appointment. Deadline for applications is February 1, 1993. Send curriculum vitae, a list of at least three references, transcripts of undergraduate and graduate academic work, and a description of research plans to: Dr. Thomas W. Flechtenmacher, Chair, Clinical Chemistry Search Committee, Chemistry Department, Cleveland State University, 5900 Rockside Road, East 240& Euclid Avenue, Cleveland, OH 44115. Equal Opportunity Employer, M/F/D. CSU provides reasonable accommodation for individuals with disabilities.

VISITING ASSISTANT PROFESSOR BIOLOGY DEPARTMENT

St. Lawrence University's Department of Biology has an opening for a Visiting Assistant Professor with training in animal physiology. Teaching responsibilities include courses in General Animal Physiology and Vertebrate Physiology and two other courses commensurate with the position. Teaching experience is essential. Ph.D. preferred. Send curriculum vitae, a statement of teaching interests and three letters of recommendation to: Dr. Michael A. Currie, Chair, Department of Biology, St. Lawrence University, Canton, NY 13617. Completed applications will be considered beginning January 15, 1993. St. Lawrence University is committed to fostering a multicultural environment. Individuals must submit a statement of plans and curriculum vitae outlining previous and present responsibilities, and three letters of recommendation. As an Equal Opportunity/Affirmative Action Employer, we specifically encourage applications from women, persons of color, and the disabled.

THE UNIVERSITY OF SOUTHERN CALIFORNIA, CARDOZO DIVISION OF THE DEPARTMENT OF MEDICINE, invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR. Applicants must hold a Ph.D. or M.D. degree and have at least two years of postdoctoral experience. Applicants should have demonstrated a background in the area of cellular signal transduction mechanisms with particular emphasis on activation of protein and identification of specific protein kinase substrates. Preference will be given to those applicants who have a strong interest and experience in signal transduction pathways pertinent to calcium dependent processes. The successful candidate will be expected to join a highly collaborative basic research group, all of whom have a primary interest in mechanisms of hyperthermia in adult myocardium. Interested applicants should send curriculum vitae, a description of research experience and interests, and the names of at least three references to: Dr. George Gooner, IV, Caruso Division of the Department of Medicine, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425–2221. Fax: (803) 723–1535. The Medical University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

EUKARYOTIC MOLECULAR GENETICIST

The Department of Biology at Northeastern University invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR. The successful candidate will be expected to establish an independent research program in the lower eukaryotic systems, using molecular biology as a tool, and to have a commitment to teaching both the undergraduate and graduate levels. The position is contingent upon the availability of institutional funding. Send curriculum vitae, pertinent reprints, research plan, and names and addresses of three references to: Dr. T. Ruvalcaba, Associate Chair, Chairperson, Search Committee, Department of Biology, Northeastern University, 650 Huntington Avenue, Boston, MA 02115. Northeastern University is an Equal Opportunity/Affirmative Action/TITLE IX University.

AQUATIC MICROBIOLOGIST

The Marine Sciences Research Center, SUNY Stony Brook seeks a microbiologist with interest in ecological and environmental physiology involving heterotrophic microorganisms, particularly in aquatic systems. The individual must demonstrate expertise in application of molecular biological techniques. Entry-level position is as ASSISTANT PROFESSOR. Ph.D. is required; postdoctoral experience desirable. Salary is commensurate with experience. Normal academic year is available September 1993. Salary commensurate with experience. Send resume, statement of interests and plans for future research, and the names and addresses of at least three references to: Dr. Nicholas Fisher, Chair, Microbiology Search Committee, Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794–5000. The University at Stony Brook is an Equal Opportunity/Affirmative Action Educator and Employer.

PLANT STRUCTURE AND DEVELOPMENT DEPARTMENT OF BOTANY

The Department of Botany, University of Georgia, invites applications and nominations for a tenure-track ASSISTANT PROFESSOR position. Candidates conducting independent research in the broad areas of functional morphology, the evolution of plant developmental patterns, and/or paleobotany are particularly encouraged to apply. The successful candidate will have opportunities to interface with programs in evolutionary biology, ecology, and cellular/developmental biology. Starting date is negotiable. Salary is commensurate with graduate and undergraduate courses in the areas of plant structure and development. Applicants should submit a curriculum vitae, statement of research and teaching interests, reprints, and arrange for three letters of reference to be sent directly to: Dr. William E. Friedman, Chair, Plant Structure and Development Department, University of Georgia, Athens, GA 30602. Closing date is February 1, 1993. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.
**BEHAVIOURAL PHARMACOLOGY and in vivo MICRODIALYSIS or VOLTAMMETRY**

Sandoz Research Institute Berne Ltd., part of the international research organisation of Sandoz Pharma Ltd., is currently seeking to fill two academic positions in its CNS Research Department:

1. An **in vivo behavioural pharmacologist** to develop new models of mental disorders and to participate in the development of innovative drugs.

2. A **scientist** to develop **in vivo** microdialysis and/or voltammetry for use in characterisation of new drugs, both in terms of their action on transmitter systems and their pharmacokinetic properties (e.g. BBB permeability).

For both positions a Ph.D., relevant post-doctoral experience, a creative flexible approach and the ability to work in an interdisciplinary environment are required. Technical support is available. Both positions are located in Berne/Switzerland, a pleasant University town close to the Alps.

Informal information can be obtained by telephoning Dr. David Lowe on (0)31 - 46 63 33 (Berne / Switzerland).

Formal applications, including curriculum vitae, publications list, details of research experience and the names and addresses of two referees should be sent to:

Sandoz Research Institute Berne Ltd., attn. Mr. U. Kaufmann, P.O. Box, CH-3001 Berne / Switzerland
**UNIVERSITY OF REGINA DEPARTMENT OF BIOLOGY**

A tenure-track position at the ASSISTANT PROFESSOR level is available in the area of INVERTEBRATE BIOLOGY is available, subject to funding. The field within the general area of invertebrate biology is open. Postdoctoral experience is required. Candidates must have a strong commitment to teaching at the undergraduate and graduate levels (M.Sc. and Ph.D.). Research will be encouraged by start-up funds and reduced teaching loads. The teaching duties will consist of participation in courses at the introductory level and advanced courses in the area of specialization.

Applicants shall send curriculum vitae and outline of research interests along with letters of reference from four referees. All correspondence is to be addressed to: Invertebrate Biologist Search Committee, Department of Biology, University of Regina, Regina, Saskatchewan, S4S 0A2, Canada. The closing date for application is 31 January, 1993.

*The University is committed to employment equity. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.*

**GROSS ANATOMIST**

Department of Surgery, University of California, San Diego (UCSD): Tenure-track ASSISTANT PROFESSOR position open to teach gross anatomy at the UCSD School of Medicine. This is a ten-month position, commencing September 1993. This position is mainly a teaching and research position, with some administrative responsibilities. It requires interest and ability to teach in the Medical School Core Gross Anatomy course currently directed by an anatomist/cytologist and teaching congenital heart disease. The candidate must have a Ph.D. in anatomy and research competence of a degree to allow independent productivity and effective cooperative undertakings with others. Send curriculum vitae and names of three academic references to: N.A. Halasz, UCSD Medical Center, 200 West Arbor Drive, San Diego, CA 92103—8401. Salary per published UC scale. Equal Opportunity/Affirmative Action Employer. Closing date February 28, 1993.

**FRAMINGHAM STATE COLLEGE, DEPARTMENT OF BIOLOGY**

Two nine-month tenure-track positions at the ASSISTANT PROFESSOR level, to begin Fall 1993. Broadly trained biologists, specializing in (1) nonvascular botany (phylogeny/mycology) and quantitative ecology or (2) developmental biology/cell biology. Duties will include teaching courses in areas of expertise, leading undergraduate research, and participating in the instruction of lower-level biology courses. Ph.D. in an area of expertise is required. Send a letter of interest, complete curriculum vitae, statement of research interests and goals, and the names of three references who should be asked to send letters of recommendation directly to: Albert J. Berger, Chair of Search Committee, Department of Physiology & Biophysics, School of Medicine, SJ-40, University of Washington, Seattle 98195. Applications are encouraged by January 31, 1993 to: Dr. J. C. Klaas, Department of Biology, Framingham State College, Framingham, MA 01702. An Equal Opportunity/Affirmative Action Employer seeking to increase the diversity of its workforce. People of color, women, and persons with disabilities are especially encouraged to apply.

**ASSISTANT PROFESSOR MOLECULAR BIOLOGIST/BIOCHEMIST DEPARTMENT OF BIOLOGICAL SCIENCES UNIVERSITY OF TEXAS AT EL PASO**

The University of Texas at El Paso seeks to fill two tenure-track positions at the Assistant Professor level. Molecular biologists are sought with research interests in (1) mechanisms of microbial pathogenesis or parasitic infections, (2) comparative biochemistry or toxicology, or (3) molecular biology. Candidates should have a strong background and interest in teaching biochemistry as well as working with undergraduate students. Send resume, statement of research objectives and teaching philosophy and listing of three references (name, address, telephone) by February 1, 1993 to: B.R. Carter, Coordinator, Department of Biological Sciences, The University of Texas at El Paso, El Paso, TX 79968-0619. UTEP does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.

**ASSISTANT PROFESSOR, GENETICS**

Department of Biochemistry, University of Alabama at Birmingham. Several tenure-track faculty positions are available in the Department of Genetics. Applicants of particular interest include chromosomal structure and function, transcription regulation, RNA processing and control of development in lower and higher eukaryotes; however, outstanding candidates in any other areas of genetics are encouraged to apply. Successful candidates will teach in graduate and medical/dental curricula as well as direct active research programs. Please submit curriculum vitae, a brief statement of present and future research interests, selected reprints and the names/addresses of three references by January 31, 1993 to: Dr. Tim Trowes, Search Committee Chairman, Department of Biochemistry, University of Alabama at Birmingham, Dentistry, University of Alabama at Birmingham, Birmingham, AL 85294. An Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR MICROBIOLOGY**

Applications are invited for a tenure-track position in environmental microbiology/microbial ecology. Applicants must have a doctorate in microbiology, ecology, or related field and postdoctoral experience. Duties will include establishing an independent research program, directing M.S. and Ph.D. students, as well as teaching undergraduate and graduate courses in the microbiology program. Appointment begins in August 1993. Completed applications will be reviewed beginning February 15, 1993 and continue until the position is filled. Send curriculum vitae, a statement of research goals and three letters of reference to: Dr. Mary Woodworth, Chair, Department of Microbiology, Miami University, O. H. 45056. Miami University is an Equal Opportunity/Affirmative Action Employer.

The Department of Movement Sciences and Education at Teachers College, Columbia University invites applications for two tenure-track positions. For information: ASSISTANT/ASSOCIATE PROFESSOR. Position requires leadership in developing a new program emphasis on muscle functions underlying human movement. Qualifications include competencies in analysis of EMG signals and in clinical applications of basic research.

**THE DEPARTMENT OF PSYCHOLOGY, NORTHWESTERN UNIVERSITY** invites applications for a tenure-track ASSISTANT PROFESSOR position at the intersection of Cognition and Behavior-Neuroscience to begin September 1993. Interested candidates should submit a statement of research interests and plan, curriculum vitae, copies of recent publications, and at least three letters of recommendation to: Cognitive Neuroscience Search Committee, Department of Psychology, Northwestern University, Evanston, IL 60208-2710. An Affirmative Action/Equal Opportunity Employer.

**ASSISTANT PROFESSOR OF PHYSIOLOGY AND BIOPHYSICS UNIVERSITY OF WASHINGTON**

The Department of Physiology and Biophysics invites applications for a tenure-track assistant professor. The most important quality we seek is the potential for excellent, original, and independent research. We welcome applications with research interests in any area of physiology, from the molecular through the systems level. The Department provides an attractive environment for research: there are interdepartmental graduate programs in biomedical sciences, and a potential for collaboration with faculty both within and beyond our Department. The appointee will be expected to teach graduate and undergraduate courses. Undergraduate teaching assignments are also possible. The appointment begins July 1, 1993. The University of Washington is an Equal Opportunity/Affirmative Action Employer, and women and/or minorities are strongly urged to apply.

**OPPORTUNITIES OPEN**

**UNIVERSITY OF REGINA DEPARTMENT OF BIOLOGY**

A tenure-track position at the ASSISTANT PROFESSOR level in the area of INVERTEBRATE BIOLOGY is available, subject to funding. Research will be encouraged by start-up funds and reduced teaching loads. The teaching duties will consist of participation in courses at the introductory level and advanced courses in the area of specialization.

Applicants shall send curriculum vitae and outline of research interests along with letters of reference from four referees. All correspondence is to be addressed to: Invertebrate Biologist Search Committee, Department of Biology, University of Regina, Regina, Saskatchewan, S4S 0A2, Canada. The closing date for application is 31 January, 1993.

*The University is committed to employment equity. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.*

**PHYSIOLOGIST**

The Department of Biology at West Georgia College (WGC) invites applications for an INSTRUCTOR or ASSISTANT PROFESSOR from individuals with expertise in human physiology. This position is available September 1, 1993, pending legislative approval. An M.S. or Ph.D. in biology and commitment to and experience in undergraduate teaching are required. The successful candidate will teach general and anatomy and physiology, pathophysiology, and general biology. Applicants should send cover letter, résumé, transcripts, and arrange to have three professional recommendations sent to: Dr. Carl Quertermus, Biology Department, West Georgia College, Carrollton, GA 30118. Screening will begin on January 15, 1993. The position is filled. WGC is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR MOLECULAR BIOLOGIST/BIOCHEMIST DEPARTMENT OF BIOLOGICAL SCIENCES UNIVERSITY OF TEXAS AT EL PASO**

The University of Texas at El Paso seeks to fill two tenure-track positions at the Assistant Professor level. Molecular biologists are sought with research interests in (1) mechanisms of microbial pathogenesis or parasitic infections, (2) comparative biochemistry or toxicology, or (3) molecular biology. Candidates should have a strong background and interest in teaching biochemistry as well as working with undergraduate students. Send resume, statement of research objectives and teaching philosophy and listing of three references (name, address, telephone) by February 1, 1993 to: B.R. Carter, Coordinator, Department of Biological Sciences, The University of Texas at El Paso, El Paso, TX 79968-0619. UTEP does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.

**ASSISTANT PROFESSOR, GENETICS**

Department of Biochemistry, University of Alabama at Birmingham. Several tenure-track faculty positions are available in the Department of Genetics. Applicants of particular interest include chromosomal structure and function, transcription regulation, RNA processing and control of development in lower and higher eukaryotes; however, outstanding candidates in any other areas of genetics are encouraged to apply. Successful candidates will teach in graduate and medical/dental curricula as well as direct active research programs. Please submit curriculum vitae, a brief statement of present and future research interests, selected reprints and the names/addresses of three references by January 31, 1993 to: Dr. Tim Trowes, Search Committee Chairman, Department of Biochemistry, University of Alabama at Birmingham, Dentistry, University of Alabama at Birmingham, Birmingham, AL 85294. An Equal Opportunity/Affirmative Action Employer.
Inflammation Biologists Oncologists

BASF Bioresearch Corporation

BASF Bioresearch Corporation is a medical research company developing novel therapies for immunological disorders and cancer. Founded in 1989, we are part of a global enterprise with more than 125 years of dedication to scientific innovation. We are building a major new research facility in Worcester, Massachusetts, which will also provide significant capacity for the production of biopharmaceuticals. At our temporary location in Cambridge, Massachusetts, we have immediate openings for the following professionals:

Animal Pharmacologist

This scientist will establish a research and drug discovery laboratory in the Immunology group. The objective is to develop and utilize animal models in the discovery and evaluation of novel therapeutic drugs for the treatment of autoimmune diseases, septic shock and inflammatory diseases. The animal pharmacologist will join a team of scientists interested in the roles of cytokines and T cells in acute and chronic inflammatory diseases. The primary responsibilities will include the pharmacological, immunological and pathological evaluation of test compounds and biological agents in these models.

A PhD in Immunology, Pharmacology or a related discipline, with at least 2 years post-doctoral experience are required. Experience with in vivo models of arthritis, septic shock or inflammatory diseases is essential. Experience in the pharmaceutical industry is desirable. Dept. AP1

Cytokine Biologist

This scientist will establish a research and drug discovery laboratory in the Immunology group. The objective is to study the cell biology of cytokine biosynthesis and action, including the discovery and pharmacological evaluation of novel therapeutic drugs for the treatment of autoimmune diseases, septic shock and inflammatory diseases. The cytokine biologist will join a team of scientists interested in the role of cytokines in these diseases. The primary responsibilities will include the utilization of immunological and cell biological techniques to discover and evaluate test compounds and biological agents. This research may include both in vitro and in vivo models of cytokine production and function.

A PhD in Cell Biology, Immunology, Pharmacology or a related discipline, with at least 2 years of post-doctoral experience are required. Experience with cytokine biology, immunology or pharmacology is essential. Experience in the pharmaceutical industry is desirable. Dept. CB2

Molecular Oncologist

This scientist will establish a drug discovery laboratory in the Oncology group. The overall goal of the group is to discover new agents for the treatment of solid tumors. The primary responsibilities of the molecular biologist include the development and utilization of cellular and biochemical assays for the identification and characterization of novel anti-cancer compounds. A strong focus will be the elucidation of mechanisms of action on the molecular level.

A PhD in Biochemistry, Molecular Biology, Pharmacology or a related discipline with at least 2 years of post-doctoral experience are required. Experience in experimental chemotherapy and/or pharmaceutical industry is desirable. Dept. MO3

Research Associate Oncology

This scientist will join a drug discovery laboratory in the Oncology group. Responsibilities include testing of new anti-cancer agents in cellular and biochemical assays.

A BS/MS in Biology or related sciences is required. State-of-the-art tissue culture techniques as well as a good understanding of biological systems are necessary. Dept. RA4

BASF Bioresearch Corporation is a wholly-owned affiliate of BASF Corporation, a Fortune 100 company. Our compensation and benefits program is representative of this leading industrial position. For prompt consideration, please forward resume indicating position of interest, including department number, and salary history to: Pamela Barney, Human Resources Department, BASF Bioresearch Corporation, 64 Sidney Street, Cambridge, Massachusetts 02139. An Equal Opportunity Employer.
POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS

The Department of Anatomy at The University of South Dakota School of Medicine invites applications for two full-time, tenure-track appointments at the ASSOCIATE PROFESSOR level starting July 1, 1993. Applicants should have a Ph.D. or M.D. experience in cell/molecular biology of cytoskeleton and extracellular matrix. Preference will be given to qualified candidates who are strongly encouraged to apply. Areas of research within the department include cardiovascular disease, reproductive and developmental biology, and neuroscience. Teaching area is negotiable. Salaries and start-up funds are competitive. In addition to the School of Medicine, Vermillion is the University of South Dakota and has an enrollment of over 7000. Housing costs and crime rates are among the lowest in the nation. Review of applications begins on February 15, 1993, but applicants will be considered until the positions are filled. Submit curriculum vitae, career goals, and names of three references to: A. Martin Gerdts, Ph.D., Chair, Department of Anatomy, University of South Dakota School of Medicine, Vermillion, SD 57069-2390. The University of South Dakota is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

FACULTY POSITIONS IN OCCUPATIONAL & ENVIRONMENTAL HEALTH SCIENCES

A tenure-track position at the rank of ASSISTANT/ASSOCIATE PROFESSOR is available for September 1, 1993. Applicants should have a Ph.D. or M.D. degree and a minimum of four to five years of postdoctoral research experience, and will be expected to establish a research program and participate in the teaching of toxicology and/or industrial hygiene. In addition, a RESEARCH ASSOCIATE position is available for an individual with a Ph.D. or M.D. degree, interested in the study of molecular and cellular mechanisms of oxidant-lung injury, inflammation, and repair. Qualified candidates should send curriculum vitae, a concise description of research interests, and the name, address, and telephone number of three references to: Drs. Carlos D. Gerdes, M.D., (Chairperson), and J. Wayne Sasser, Ph.D. (Chairperson), Department of Occupational & Environmental Health, College of Pharmacy & Allied Health Professions, 628 Shapero Hall, Wayne State University, Detroit, MI 48204. Wayne State University is an Affirmative Action/Equal Opportunity Employer. Wayne State University—People working together to provide quality service.

BOTANY VACANCY: ASSISTANT/ASSOCIATE PROFESSOR OF BOTANY

Full-time tenure-track position available September 8, 1993. Applicants for the position should be botanists, general biology for majors and non-majors and upper division ecology/environmental electives and a crop production course. Will also manage greenhouse. Doctorate in Botany required. Environmentally oriented plant biologist with a strong chemistry background is desired. College level teaching experience is preferred. Position is subject to final budgetary approval. Send letter of application, résumé, transcript and name, address and telephone number of three references to: Director of Personnel Services, Southwest State University, Marshall, MN 56258. File review will begin on January 8, 1993 and continue until filled. Southwest State University is an Equal Opportunity Educator and Employer.

IMMUNOLOGIST: Physician/Scientist with strong commitment to research in basic immunology for faculty position at ASSOCIATE, ASSOCIATE or PROFESSOR level in the Department of Pediatrics, University of Arizona. Applicants should be able to sustain independent research. Pediatric pulmonology, renal, and immunology training is desirable but will consider non-clinical Ph.D. applicants. Opportunities exist locally for collaboration in basic immunology. Review of applications will begin November 1, 1992 and continue until position is filled. Contact: Michael J. Schunacher, M.D., Department of Pediatrics, University of Arizona, 875 N. Medical Center Drive, Tucson, AZ 85724, Telephone: 602/626-6055. The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ANIMAL ECOLOGY/BEHAVIOR

Harvard University

The Department of Organismic and Evolutionary Biology invites applications for an ASSISTANT or ASSOCIATE PROFESSORSHIP in the general fields of animal ecology or behavioral biology. We encourage applications from a broad range of disciplines including evolutionary biological approaches to behavior, behavioral ecology, population biology and/or community ecology. The candidate will be expected to interact and collaborate with undergraduates and graduate students.

Applicants should send by January 15, 1993, a curriculum vitae, list of research interests, and three letters of reference to: Professor Naomi E. Pierce, Museum of Comparative Zoology, Department of Organismic and Evolutionary Biology, 26 Oxford Street, Cambridge, MA 02138.

Harvard University is an Equal Opportunity/Affirmative Action Employer. We encourage applications from women and minority groups.

The Department of Cell Biology, Baylor College of Medicine invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. We are seeking candidates with expertise in the general area of cell biology, including membrane or molecular biology, with an emphasis on molecular or cellular approaches. Candidates should be committed to excellence in teaching and research and should have the ability to develop an innovative and independent research program. Interested persons should write to: Dr. Lutz Blumenkemper, C. C. Bell Research Professor of Cell Biology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, including curriculum vitae with a list of publications and a description of research experience and interests.

Women and minority candidates are encouraged to apply. Baylor College of Medicine is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE PROFESSOR

PATHOBIOLGVY

The Department of Comparative and Experimental Pathobiology has a tenure-track position open for an experimental pathobiologist at the rank of associate professor beginning July 1, 1993. Applicants should have a Ph.D. degree or D.V.M./Ph.D. degrees and a record of accomplishment in research. Individuals with research programs focused on molecular pathogenetic mechanisms in infectious disease, inflammation, or immunology will be given preference. Representative research resources are available including laboratory space, technical support, research equipment, and adjoin research facilities. Applicants should submit a letter of intent, curriculum vitae and the names of three references before January 31, 1993 to: Dr. William L. Castleman, Chairman, Department of Comparative and Experimental Pathobiology, College of Veterinary Medicine, P.O. Box 100145, University of Florida, Gainesville, FL 32610-0145. The University of Florida is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN BEHAVIORAL NEUROSCIENCE

The Department of Psychiatry at the University of Florida is seeking applicants for a tenure-track position at the level of FULL PROFESSOR to direct a laboratory in behavioral neuroscience. Preference will be given to candidates with an interest in extramurally funded research program in behavioral neuroscience for postdoctoral and doctoral students. The application, curriculum vitae, description of research interests, and names and addresses of three references should be directed to: Dr. John L. Ceres, Chairman, Department of Psychiatry, University of Florida, J. N. Ceres, Jr. Building, P.O. Box 100115, Gainesville, FL 32610-0115.

POSITIONS OPEN

MICROBIAL IMMUNOLOGIST

The Department of Microbiology and Immunology, Indiana University School of Medicine, invites applications for a tenure-track ASSISTANT to FULL PROFESSOR. At least two years of postdoctoral experience required. Should complement active research programs in molecular immunology, molecular biology of viral pathogens, and/or microbial pathogenesis. Particular attention will be given to candidates with research experience and/or expertise in the immunological properties of microbes and their products and the innate immune system. Candidates are expected to develop or maintain an investigative research program and to have a commitment to teaching. Applicants should send curriculum vitae, statement of research interests, and a list of three references to: Dr. D. C. Bauer, Professor and Chairman, Department of Microbiology and Immunology, Indiana University School of Medicine, 685 Barnhill Drive, Indianapolis, IN 46225-0120. Review of applications will begin February 1, 1993 and continue until position is filled. Indiana University is an Equal Opportunity/ Affirmative Action Employer.

WHOLE-PLANT PHYSIOLOGIST

Harvard University

The Department of Organismic and Evolutionary Biology invites applications for a tenure-track appointment at the ASSISTANT or ASSOCIATE PROFESSOR level in the area of plant physiology. We are looking for a candidate who utilizes physiological, cellular and/or molecular techniques in plant physiology. The candidate will be expected to teach and interact with undergraduate and graduate students.

Applicants should send curriculum vitae, statement of research interests, representative reprints, and arrange for three letters of recommendation to be sent by January 15, 1993 to: Professor F. A. Bazzaz, Department of Organismic and Evolutionary Biology, The Biological Laboratories, 16 Divinity Avenue, Cambridge, MA 02138.

Harvard University is an Equal Opportunity/Affirmative Action Employer. We encourage applications from women and minority groups.

PROFESSOR AND CHAIR

Department of Biochemistry and Molecular Biology

As part of an expansion of the basic sciences, the School of Medicine of the Oregon Health Sciences University, Portland, Oregon, invites applications from candidates in any area of biochemistry. The candidate must have a distinguished record of scientific achievement as well as proven leadership and administrative skills. Applicants should send curriculum vitae and names, addresses and telephone numbers of three references to: Dr. J. S. B. Gordon, School of Medicine, Oregon Health Sciences University, L102, 3181 SW Sam Jackson Park Road, Portland, OR 97201-3098. Deadline: January 15, 1993. Oregon Health Sciences University is an Affirmative Action/Equal Opportunity Employer.

COLLEGE LABORATORY TECHNICIAN

at February 1, 1993. Duties: Service laboratory courses (particularly biochemistry), maintenance and work knowledge of instrumentation is essential. Prepare and assist in lecture demonstration experiments, prepare laboratory reagents, distribute apparatus and equipment, etc. Requirements: A high school diploma plus a combination of at least eight years of related experience and/or education or B.A. or B.S. degree, some experience in Biochemistry and ability to repair and service laboratory equipment is preferred. A knowledge of the handling of radioactive isotopes and experience working with computers is desirable. Salary is based on experience: $22,188 to $32,237. Candidates should submit curriculum vitae, background, and three letters of recommendation to: Professor Ruben L. Baumgarten, Chair, Chemistry Department, Lehman College (CUNY), 250 Bedford Park Boulevard West, Bronx, NY 10468.

An Equal Opportunity/Affirmative Action Employer and members of protected classes.

More than 150,000 people paid work. Learn more in SCIENCE.

Classified Advertising Department, 2550 Berkeley Avenue, Westwood, NJ 07675. FAX: 201-628-0816
MOLECULAR VIROLOGIST

Postdoctoral position is available in the Laboratory of Infectious Diseases, (1) to conduct studies on dengue viruses and other medically important, insect-borne flaviviruses at the molecular level, (2) to elucidate mechanisms of gene expression, polyprotein processing and viral replication, (3) to analyze genetic determinants of virulence using chimeric viruses derived from cloned DNA, and (4) to develop live virus and subunit vaccine strategies for prevention of viral infections. Applications are invited from individuals having a doctoral degree in Medicine, Microbiology, Virology or Pathobiology. Previous experience with molecular techniques is preferred. Salary will be commensurate with experience.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to:

Ching-Juh Lai, Ph.D.
Head, Molecular Viral Biology Section
NIH, NIAID
Laboratory of Infectious Diseases, NIAID
National Institutes of Health
9000 Rockville Pike
Building 7, Room 234
Bethesda, MD 20892
Fax: (301) 402-0524

NIH is an Equal Opportunity Employer

Genentech, Inc., a leader in the field of biotechnology, has two opportunities available in our Metabolism/Cell Biology group.

Scientist

We’re looking for a biochemist/cell biologist with interest and experience in endocrinology or neurotrophic factors to be part of a newly formed research group studying the metabolism and biotransformation, cellular fate, and mechanism of action of candidate protein therapeutics. The focus of this lab will be to support the selection and development of candidate molecules through both in vitro and in vivo studies with contributions to regulatory filings as required. The qualified candidate will have a PhD in Biochemistry, Cell Biology or Molecular Pharmacology and 2+ years’ postdoctoral experience. Refer to Dept. SWBH.

Postdoctoral Fellow

The focus of this research will be the metabolism and mechanism of action, both cellular and in biological matrices, of an anti-integrin antibody therapeutic currently under consideration. The qualified candidate will have a PhD in Biochemistry, Cell Biology or Immunology. Refer to Dept. SWF.

Our extensive benefits package includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities, free health club membership and an employee stock purchase plan. Send your resume indicating appropriate Dept. # to: Genentech, Inc., Human Resources, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal opportunity employment. Women and minorities are encouraged to apply.

Genentech, Inc.
ASSISTANT/ASSOCIATE PROFESSOR

The Department of Microbiology and Molecular Genetics and the UMDNJ-New Jersey Medical School is seeking candidates (Ph.D. or M.D.) for a tenure-track ASSISTANT or ASSOCIATE PROFESSOR. Successful applicants will be expected to establish a strong basic research program and to participate in an active research training program. The department is located in a large medical complex, has excellent facilities, and a vigorous interactive faculty. We are most interested in candidates investigating any aspect of molecular genomics.

Send complete curriculum vitae including future research plans and arrange to have three letters of recommendation sent to: Dr. Lynn S. Ripley, Faculty Search Committee, Department of Microbiology and Molecular Genetics (B), UMDNJ-New Jersey Medical School, 30 North Orange Avenue, Newark, NJ 07103-2714.

BOTANY: The Department of Biology of The College of Staten Island of the City University of New York seeks candidates for an anticipated tenure-track position as ASSISTANT or ASSOCIATE PROFESSOR of Botany, to start September 1993. Preferred area of research in plant ecology. Ph.D. required, postdoctoral experience and grant activity desirable. Outstanding candidates with A.B.D. degree will be considered. Candidates should have experience in undergraduate teaching and curriculum development. The successful applicant is expected to teach courses, conduct independent research, and to establish an independent research program at the college. Send curriculum vitae and names and addresses of three references by January 4, 1993 to: Professor Lawrence J. Colonna, Search Committee, The College of Staten Island/CUNY, Room B-202, 715 Ocean Terrace, Staten Island, NY 10301.

BEGINNING IN FALL 1993, The College of Staten Island will occupy a new 204-acre campus, located in the center of Staten Island, with outstanding facilities and equipment.

Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF BIOL-OLOGY: The Biology Department at Gallaudet University invites applications for a tenure-track Faculty position (assistant or associate professor). The candidate would be expected to teach undergraduate courses in anatomy and physiology, cell biology, and general biology. A Ph.D. (equivalent degrees as M.D., D.S., etc., will be considered) and university teaching experience is preferred. The candidate is expected to be willing to learn sign language and to participate in a paired 10-week summer orientation program at Gallaudet. Applicants should submit a letter of introduction with a brief statement of teaching and research interests, a current curriculum vitae, and the addresses and telephone numbers of three references to: Jane Dillehay, Ph.D., Chairperson, Biology and Geology, Gallaudet University, 800 Florida Avenue, N.E., Washington, DC 20002. Review of applications will begin January 15, 1993 and will continue until the position is filled. Gallaudet University is an Equal Opportunity/Affirmative Action Employer.

PROGRAM DIRECTOR, FOR WEATHER RESEARCH: The Office of Oceanic and Atmospheric Research/ National Oceanic and Atmospheric Administration is seeking applicants for the position of Program Director for Weather Research. This is a Senior Executive Service Position with a starting salary estimated at $112,000. Duties: The incumbent serves as the senior Program Director for development of a NOAA-wide program in weather research. As such, he/she develops and advocates policies with other federal agencies to further the interests of weather research nationally and to benefit NOAA missions in weather research and forecasts. Serves as spokesperson for the U.S. Weather Research Program to improve the utilization of NOAA's new observing systems and for NOAA responsibilities to the Committee on Earth Rescue.

This position is located in Silver Spring, MD. Applicants must submit an application package by December 24, 1992. For a complete description of the position, Personnel Division—OA2/SSMC1/ Room 3102, 1335 East-West Highway, Silver Spring, MD 20910, listing of additional application requirements and additional information call Debbie School (301) 713-0530. Refer to Vacancy #: NOAA 92-12DS. DOC is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF MEDICINE: The Department of Neurobiology and Anatomy at the Bowman Gray School of Medicine of Wake Forest University is seeking candidates for a tenure-track ASSISTANT or ASSOCIATE PROFESSOR. Successful applicants will be expected to establish a research program in cellular, molecular, or developmental neuroscience to serve as Chair of a strong neuroscience program at the University. The successful candidate will join a growing department of 20 faculty with research interest in neurobiology, as well as in developmental, vascular and cell biology. The University has a strong commitment to neuroscience. In addition to a Ph.D. program in anatomy and neurobiology, the department participates in two interdisciplinary Ph.D. programs (neurobiology) and molecular/cellular neurobiology (over 20 faculty). This is an opportunity for an innovative individual to participate in the expansion of a University-wide effort to achieve excellence in neurosciences research. The department is also noted for its excellence in teaching and a significant commitment to medical education is a priority. Please send curriculum vitae and names of five references to: B. Todd Troost, M.D., Chair, Department of Neurology, The Bowman Gray School of Medicine of Wake Forest University, Medical Center Boulevard, Winston-Salem, NC 27157-1078. Equal Opportunity/Affirmative Action Employer.

USDA—Agricultural Research Service, Arthrob-orne Animal Disease Research Laboratory, Laramie, Wyoming (located on the campus of the University of Wyoming) seeks an experienced scientist for a position as VETERINARY MEDICAL OFFICER, (GM-12/13/14) to do research on arboviral diseases and their animal hosts. Incumbent will develop an independent program and participate in measurement of arbovirologists, geneticists, and entomologists. Candidates must have a D.V.M. or equivalent degree, plus one year of professional veterinary experience. Candidates are expected to have attained status as the next lower grade in the Federal government. A Ph.D. degree is highly desirable. Knowledge of virology, microbiology, immunology, molecular biology, and pathology, and skill in surgical procedures are required. Knowledge of arbovirology, epidemiology, host immune responses, entomology, and skill in experimental design and statistical analysis are desirable. Senior positions require a strong publication record. Salary: $35,861 to $70,987 per annum commensurate with experience. For further information contact: Dr. Walter J. Tabachnick, Research Leader, Telephone 307-766-3600. For application procedures/forms, call or write to: Kathleen Enaton, USDA, ARS, FD, 6305 Iry Lane, Room 318, Greenbelt, MD 20770-1435. Telephone: 301-344-3138. Applications must contain specific responses to the knowledge criteria for the position. Applications must be postmarked on or before February 15, 1993. AN EQUAL OPPORTUNITY EMPLOYER.

DIRECTOR

The Great Lakes Center for Environmental Research and Education (CERE) at SUNY College at Buffalo invites nominations and applications for Center Director. This is an Associate/Full Professor position and the Director will be expected to develop and increase the ongoing environmental research and educational programs located within the Center. The successful candidate will hold a Ph.D. and be required to demonstrate a vigorous research program, excellence in teaching and substantial experience in grant writing, and have appropriate credentials in a relevant discipline.

Candidates should submit a letter of interest and a current vitae to: G. L. DeRose, Search Committee; Center for Environmental Research and Education B-2; State University of New York College at Buffalo, 3020 Main Street, Buffalo, NY 14222. Screenings will begin on January 15, 1993 and continue until a successful candidate is identified. The Director will take office no later than September 1, 1993, with an initial three-year term appointment. Salary is negotiable. Salary considerations will be based upon qualifications and experience. Applications from minorities and females are especially invited. SUNY College at Buffalo is an Equal Opportunity/Affirmative Action Employer.

CHEMIST/RESEARCH MANAGER

A progressive Midwest company manufacturing specialty animal feed ingredients seeks a Research Manager to direct research concerning its products in antioxidants, carotenoids, feed additives, and feed flavors and sur- factants. The successful candidate will possess an advanced degree in chemistry with a record of creative science. Experience in GC, GC/MS, HPLC, and FT-IR is helpful. This is a position for a hands-on laboratory chemist who also enjoys management of dynamic technical staff members. The company is an equal opportunity employer.

Kemin is a non-smoking environment. Job offer is conditional on passing a physical including a drug screen. Submit resume detailing professional experience to: Dr. C. E. Nelson, VP of Research and Development, Kemin Industries, Inc., P.O. Box 70, Des Moines, IA 50301.

An Equal Opportunity Employer.

THE AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS

ASPf invites applications for two positions. We are a Washington-based scientific and technical association associated to encourage research and teaching in the plant sciences. Our annual budget is $3 million.

EXECUTIVE DIRECTOR manages staff of 15 and has major role in all Society activities: publishing, annual meetings, budgets, governance, headquarters operations. Candidate must have experience in publishing and in planning and managing financial operations. Advanced degree in a plant or biological science is desired, but not essential. Candidate should be experienced in establishing goals and priorities. The successful candidate should have a degree in the biological sciences and experience in public relations. The candidate must demonstrate ability to communicate effectively in person and in writing. For either position, send resumes, names of references, and salary requirements by January 18, 1993 to: ASPf Search Committee, Attention Mrs. D. Croft, 15501 Monona Drive, Rockville, MD 20855-2768. All replies are confidential. ASPf is an Equal Opportunity Employer. Women and members of minority groups are urged to apply.

CHAIR

Department of Microbial Molecular Biology & Immunology
The School of Medicine of the Health Sciences Center of the University of Missouri announces a search for the Chair of the Department of Microbial Molecular Biology & Immunology. Responsibilities include recruitment and retention of faculty, education of medical students, training of graduate students and fellows, and strengthening of research. The position is to be filled by July 1, 1993 and requires an individual of high energy and creativity who has a productive record of academic accomplishments in modern molecular basic science. Applications from minorities and females are particularly welcomed. Direct inquiries to: Herbert S. Goldberg, Ph.D. Associate Dean for Research and Academic Affairs, University of Missouri School of Medicine, M/S K-404 Medical Sciences Building, Columbia, MO 65212.

DIRECTOR, Cytogenetics Laboratory. The Massachusetts General Hospital seeks a strong leader for our cytogenetics laboratory. Responsibilities will include: total laboratory management, both prenatal screening and tumor analysis. A vigorous research program and molecular biology experience are essential. Basic science research is expected. UL/CGL certification required. An Board of Medical Genetics in Cytogenetics is essential. The position will carry an appropriate faculty appointment at Harvard Medical School. Interested candidates should contact: Robert B. Colvin, M.D., Chief, Pathology Service, MGH, at Telephone: (617) 726-2966. We are an Equal Opportunity/Affirmative Action Employer.

1834

SCIENCE • VOL. 258 • 11 DECEMBER 1992
IMMUNOLOGY AND NEUROBIOLOGY
GEORGIA STATE UNIVERSITY

The Department of Biology invites applications for two tenure-track positions. Appointments are expected to be made at the level of Assistant Professor; however, appointments at a higher rank will be considered for candidates with appropriate credentials. Appointments will start in September, 1993.

Immunologist: Research interests in cellular and/or genetic approaches, with emphasis on cell-cell interactions, cytokines or lymphokines.

Neurobiologist: Research interests emphasizing cellular, molecular and/or genetic approaches in any one of the following areas: motor systems, functional anatomy or inter- and intracellular communication.

Responsibilities include participation in teaching and research in undergraduate, M.S. and Ph.D. programs. Applicants must have demonstrated research potential through postdoctoral experience and publication record. The salary will be commensurate with experience. Applications, including curriculum vitae, reprints, a statement of research plans and three letters of reference should be sent to Chair, Department of Biology, Georgia State University, P.O. Box 4010, Atlanta, Georgia 30302-4010. Deadline for receipt of application is 15 February, 1993. Georgia State University, a unit of the University System of Georgia, is an Equal Opportunity/Educational Institution and an Equal Opportunity/Affirmative Action Employer.

RESEARCH OPPORTUNITIES
Biology & Toxicology Associates

The Upjohn Company seeks Research Associates to join our multidisciplinary team in developing improved pharmaceutical treatments for cancer, AIDS, and other important neurological, cardiovascular and metabolic diseases.

Biology Associate
Selected candidate will assist in conducting, evaluating, and reporting laboratory and farm animal toxicology studies to support safety and product registrations. Responsibilities will include dosing, meticulously observing animal behavior, obtaining biological samples, necropsy, maintaining records, and drafting reports in compliance with GLP regulations.

Qualifications include a BS in animal sciences, biology, or closely related field, experience in laboratory and farm animal care & dosing and clinical observations. Experience conducting toxicology studies highly desirable. Must be familiar with recording & reporting study data on computers. Please refer to Position #133 in your cover letter.

These positions both enjoy an excellent salary and benefits package. For prompt consideration, please forward your resume (including Position Code) and salary history to: THE UPJOHN COMPANY, Human Resources Dept., 7000 Portage Road, Kalamazoo, MI 49001.
Equal Opportunity Employer.

Toxicology Associate
Selected candidate will study the toxicologic effects of novel drugs and chemicals, particularly those with therapeutic or toxicologic targets in the nervous system. Our goal is to understand mechanisms of neurotoxicity and to develop improved methods for detection of neurotoxicity, in order to assess safety of new pharmaceutical compounds.

Qualifications include a BS/MS in toxicology, neuroscience, biochemistry, cell biology or a related field, and at least 2 years research experience with in vitro techniques and animal handling. Please refer to Position #130 in your cover letter.

Senior Scientist

The quality of R&D depends on the quality of the resources.

BIOTECHNOLOGY-CELL BIOLOGY

Become a part of our multi-disciplinary team where our current focus of research is on Cytokine Biology and the discovery of lymphokine antagonists. Applicant should have a PhD with 0-4 years' postdoctoral or industrial experience. Research in Cell Biology is required; a background in Cellular Immunology is highly preferred. Experience in Molecular biology is a plus.

We offer highly competitive salaries commensurate with your experience and education, superior benefits, and all the challenge and growth potential an international industry leader can offer. For confidential consideration, please send your c.v., indicating salary requirements, to: Mr. George Czuba, Human Resources, Dept. DD92-13S, Schering-Plough Research Institute, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.

The science of success

Schering-Plough Research Institute
Associate Chief of Staff for Research and Development—The Department of Veterans Affairs Medical Center, Highland Drive, Pittsburgh, PA is currently seeking a physician/scientist, for the position of Associate Chief of Staff for Research and Development to provide leadership in the medical center research program and to strengthen further its research program. This medical center provides primary and tertiary care for veterans with psychiatric disorders, such as schizophrenia, post traumatic stress disorder, dementia, substance abuse and cognitive disorders. Management supports research endeavors. Medical licensure in any state and board certification or eligibility are required. The successful candidate is expected to continue his/her own research program as well as possess the necessary qualifications for an academic appointment in the appropriate department at the University of Pittsburgh School of Medicine. There are active ongoing funded research programs in schizophrenia, psychophysiology, post traumatic stress disorder, substance abuse and cognition. In addition to a schizophrenia research unit, psychophysiology, sleep and biochemistry laboratories, there is interest in increasing research in aging, substance abuse and brain imaging (PET scan and MRI). Qualified candidates interested in applying for the position of Associate Chief of Staff for Research and Development should send curriculum vitae, including bibliography and the names of at least three references to the Chairman of the Search Committee, Daniel P. Van Kammen, M.D., Ph.D., Professor of Psychiatry, Chief of Staff (11), VAMC, Highland Drive, Pittsburgh, PA 15206.

POSITIONS OPEN

DIRECTOR, Bone Marrow Transplantation Program. Tulane University School of Medicine and Tulane Cancer Center are seeking an Associate Professor/Professor level to lead the research and clinical program in Bone Marrow Transplantation. Candidates are expected to have established funded research programs in clinical and/or experimental transplantation biology and be capable of developing and managing the research and clinical aspects of the program with the Sections of Pediatric Hematology, Oncology, and Hematology/Oncology. Candidates must be Board Certified in either Pediatric Hematology, Oncology, or Medicine and have at least three years of experience in a bone marrow transplant unit as certified by the National Marrow Donor Program. An attractive package of salary and development resources is available. Research space in the new Center will be ready for occupancy by June 1993. Interested applicants should send curriculum vitae and names of three references to: Dr. James J. Cornigan, Jr., M.D., Vice Dean, Tulane University Medical Center, 1430 Tulane Avenue, New Orleans, LA 70112–2699. Applications will be accepted until position filled. Affirmative Action/Equal Opportunity Employer.


The Department of Microbiology, The University of Iowa College of Medicine, invites applications for tenure-track FACULTY POSITIONS at a rank commensurate with education and experience from outstanding candidates who are working in molecular virology and immunoparasitology. All applicants must have a Ph.D. and/or M.D. degree, postdoctoral research experience, and a strong record of research accomplishments. Successful applicants are expected to establish an extramurally funded research program. Participation in the Department’s teaching programs is also expected. The Department of Microbiology consists of 28 faculty members with research programs in immunology, virology, pathogenic bacteriology, microbial genetics, and microbial physiology. The University has strong programs in molecular virology, immunology and parasitology. The Department is under the leadership of a new head and the research department is currently undergoing complete renovation. Applicants should send curriculum vitae, a statement of research interests and the names of at least three references to: Dr. Michael Apicella, Head, Microbiology, The University of Iowa, Iowa City, IA 52242. The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION

The Department of Biology at Indiana University-Purdue University at Indianapolis (IUPUI) has a postdoctoral position available in the area of yeast molecular biology. Candidates should be experienced in standard recombinant DNA techniques. Special consideration will be given to those applicants who have experience with membrane lipids. Applicants should send a statement of research interest, copies of their curriculum vitae, and the names of three references to: Dr. Martin Bard, Department of Biology, IUPUI, 723 West Michigan Street, Indianapolis, IN 46202–8132. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS available immediately at University of California, San Francisco. A new group in cell transformation. Structure/function relationships of this new member of the metallocorpeptide inhibitory family will be investigated using molecular and biochemical techniques. Applicants should have a strong background in biochemistry, cell biology or molecular biology. Please send or FAX (415-476-2744) cover letter, curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. Susan P. Hawkes, Department of Pharmacology, University of California, San Francisco, CA 94143–9446.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION

The Cardiovascular Division of the Department of Medicine, Brigham and Women’s Hospital, Harvard Medical School, Boston is recruiting an electrophysiologist (M.D. or Ph.D.) interested in analysis of ion channels relevant to cardiac function. The successful candidate will be expected to lead his/her own strong research program as well as to interact with other basic scientists in the Cardiovascular Division. The academic level is flexible and will depend on the experience and qualifications of the applicant. Applicants should send curriculum vitae and names of three potential references to: Dr. T. W. Smith, Cardiovascular Division, Brigham and Women’s Hospital, 75 Francis Street, Boston, MA 02115. The Brigham and Women’s Hospital is an Equal Opportunity Employer. Applications from women and underrepresented minorities are encouraged.

FACULTY POSITIONS

SUNY Health Science Center at Brooklyn is seeking qualified applicants for tenure-track positions in the Department of Microbiology and Immunology. Candidates should have at least two to three years of postdoctoral experience; rank is open depending on qualifications. Preference will be given to candidates with a strong record of research in molecular genetics, immunology or virology. The candidate is expected to develop an extramurally funded research program and become involved in medical and graduate education. Salaries and start-up funds are highly competitive. The department offers a stimulating scientific environment with excellent laboratory facilities. Send bibliography and a summary of research accomplishments to: Dr. William T. McAllister, Chairman, Department of Microbiology and Immunology, SUNY Health Science Center at Brooklyn, Box 44, Brooklyn, NY 11203–2098. Equal Opportunity/Affirmative Action Employer.

FACULTY SCIENTIST

MASSACHUSETTS GENERAL HOSPITAL

Immunology—Molecular Biology—Glycoprotein Biochemistry

The Department of Pathology, Massachusetts General Hospital seeks qualified M.D. or Ph.D. faculty-level investigator to join the Division of Pathology Research. Candidates should have a proven record of independent research and funding. The position will include appropriate faculty appointment at Harvard Medical School. Candidates with experience in Immunology, Molecular Biology, Glycoprotein Biochemistry will be most competitive.

Please send letters of inquiry including references to: James M. Durack, M.D., M.D. Mass General Hospital, Pathology Research—7th Floor, 149 Thirteenth Street, Charlestown, MA 02129. Massachusetts General Hospital is an Equal Opportunity/Affirmative Action Employer.

OREGON HEALTH SCIENCES UNIVERSITY (OHSU)

CENTER FOR RESEARCH ON OCCUPATIONAL AND ENVIRONMENTAL TOXICITY

Growing multidisciplinary research institute invites applications for three junior, mid or senior level FACULTY POSITIONS from individuals interested in advancing CROET's state-mandated mission in research, education and outreach. Open to interactive, team-oriented, funded scientists focused on (1) chemical perturbation of gene expression in aging, carcinogenesis, development of neurotoxicity, and other effects of occupational or environmental behavioral neurotoxicity. Scientists competitive with 50%+ self-generated. Send curriculum vitae, a statement of research goals, and a list of three references by January 15, 1993 to: Dr. P.S. Spencer, Director and Senior Scientist, CROET, OHSU, 3161 SW Sam Jackson Park Road, Portland, OR 97201–3098. OHSU is an Equal Opportunity/Affirmative Action Employer.

More than 150,000 people paid to see your ad in SCIENCE. Classified Advertising Department telephone: 202-326-6855. FAX: 202-682-0816.
**Gliatech**

**Scientists**

**Alzheimer's Disease Research**

Gliatech, Inc., a growing pharmaceutical company dedicated to understanding and utilizing the unique properties of neuralglial cells in treating nervous system disorders, has several openings for research scientists within our expanding Alzheimer's Disease Research Program. These positions are at the Ph.D., M.S. and B.S. levels, and scientists with training in the areas of molecular neuroscience, pharmacology, biochemistry, or cell biology are encouraged to apply. Prior research in the neurological sciences is highly desirable, but outstanding candidates from other disciplines will be considered. Applicants should be highly motivated investigators who can integrate into a vigorous research team dedicated to the development of therapeutics to slow the progression of Alzheimer's disease.

Gliatech is located in suburban Cleveland in close proximity to Case Western Reserve University and the Cleveland Clinic. Its collaborative interactions with scientists and clinicians at these and other academic institutions provides an exceptional intellectual environment. Gliatech offers a competitive salary and benefits package, and our location allows access to affordable housing as well as an array of cultural and sports activities. Qualified candidates are encouraged to submit their curriculum vitaes to: Gliatech Inc., Corporate Recruiting, 23420 Commerce Park Rd., Cleveland, OH 44122.

**Forensic Toxicologist**

The Research Triangle Institute, a not-for-profit research organization located in Research Triangle Park, NC, has an opportunity for a Forensic Toxicologist to work in the National Laboratory Certification Program.

We seek an individual with a Ph.D. or equivalent in an appropriate scientific discipline with experience in the technical direction of a forensic urine drug testing laboratory. Background must include experience in data review/certification of GC/MS and immunosay data, the development of quality control and chain-of-custody procedures, laboratory inspections, and technical writing. Responsibilities will include:

- Review of laboratory inspection reports
- Review of SOPs, chain-of-custody documentation, data, and other laboratory information
- Preparation of documents associated with laboratory inspections
- Assisting in recommendation of laboratory certification status

RTI offers competitive salaries, excellent benefits, 3 weeks of vacation, and an interesting working environment at our 180-acre campus. To apply, send your resume together with copies of transcripts and the names of references to: Research Triangle Institute, Office of Human Resources (BOC-E), PO Box 12194, RTP, NC 27709-2194.

An Equal Opportunity/Affirmative Action Employer (M/F/D/V)

---

**Antibody Scientists**

Pfizer is a lot more than a pharmaceuticals and healthcare industry leader. It's a group of people dedicated to discovering, developing and marketing innovative pharmaceuticals, animal health and specialty chemical products that improve the quality of life worldwide. As a Fortune 100 company, Pfizer is committed to continuing its remarkable growth by investing close to a billion dollars annually in research and development.

Pfizer currently has a number of openings in its Central Research Division laboratories for individuals with a PhD, MS or BS who are well versed in all aspects of monoclonal and polyclonal antibody production, purification, and utilization. These individuals will form a core facility for the production of antibody reagents to support the various drug discovery efforts of Central Research.

The successful PhD candidate will have knowledge of in vivo models, routes of immunization, antigen preparations and adjuvants needed to achieve useful antibody production. Should also have an extensive background in traditional as well as more experimental cell fusion techniques and hybridoma manipulations. Previous experience in antibody characterization, affinity studies, and isotyping is desirable.

The prospective assistants (BS/MS degree) should be trained in relevant aspects of in vivo manipulations, including injections, dissections and bleaching procedures. Experience in cell fusion techniques, cell cloning, and general tissue culture is expected. Those experienced in the use of computer technology for catalog and inventory needs are urged to apply.

We offer competitive salaries and a full range of benefits including medical and dental insurance, paid holidays and vacations, educational assistance, savings and investment plans, pension plan and relocation assistance to this southeastern Connecticut shoreline community.

To learn how you can be part of Pfizer's future, send your resume to: Mr. Kym J. Goddu, Personnel Associate, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. We are an equal opportunity employer.

**Central Research**

Bringing science to life.
Senior Professionals
Applied Environmental Research

The South Florida Water Management District is a 16-county regional agency responsible for the management of water resources in the most urbanized area of Florida. The agency has direct responsibility for environmental research and management for the Kissimmee River, Lake Okeechobee and over 1 million acres of Everglades. With a staff of more than 1,500 and a budget exceeding $200 million, our agency addresses issues involving environmental protection/enhancement, water supply, flood control and water quality protection. At the District, applied environmental research is the foundation for sound resource management decision making.

We seek two Senior Environmental Scientists to work on applied research problems concerning the aquatic resources of South Florida, including the Everglades, Lake Okeechobee, Kissimmee River and estuarine ecosystems. Successful candidates will supervise and conduct research on a variety of environmental problems in the South Florida region. Ideal candidates should have a strong research background in ecology and environmental science, particularly applied aquatic ecology and water resources management. Demonstrated record of research accomplishment through publication is required, and experience in advanced statistics or ecological modeling would be a plus. Ability to work in multi-disciplinary teams, to plan and budget research projects, and to communicate scientific issues to both technical and lay audiences are desired qualities.

A Ph.D. degree in an environmental science or related field with aquatic emphasis is required. At least 8 years post-doctoral experience in wetlands ecology, limnology, water quality analysis, hydrological/ecological modeling or environmental management is sought.

We offer the opportunity to be involved in important research in applied science and to influence the future of South Florida’s environment. You will also find a highly progressive professional environment with a team approach to solving complex environmental problems. In addition to competitive compensation, excellent benefits and the opportunity for continuing professional development, our employees enjoy the many benefits of South Florida living with a sub-tropical climate, exceptional year round recreational opportunities and favorable tax advantages. For information contact, Dr. Nicholas Aumen at (407) 687-6601 or Dr. Garth Redfield at (407) 687-6611 or send resume including social security number to: Linda Starr, Human Resources Division, Re: S/121192/SP, South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, FL 33416. We are an equal opportunity employer M/F/D/V and a drug-free, smoke-free workplace.

South Florida Water Management District
When we talk about the environment, we mean business.

Marketing Manager

Bio-Rad Laboratories is a multinational leader and innovator in the development and manufacture of high quality products – chemicals and instruments – for life science researchers and clinical diagnostic professionals.

The Clinical Diagnostics Group is looking for a Marketing Manager – DNA Diagnostics. We seek a person to identify and champion technologies and/or products that will lead to commercial successes. You will work with the entire Diagnostic Group as well as with our Life Science Group. An advanced degree in molecular biology coupled with marketing experience and an understanding of both life science technologies and the diagnostics market, combined with the energy to put it all together would be ideal.

We are looking for a truly excellent person to join our team. The task will be challenging, exciting and present real growth opportunities. If you feel that you are ready for this challenge, please send your resume, including salary history to: Bio-Rad Laboratories, Dept. 497, 4000 Alfred Nobel Dr., Hercules, CA 94547. Or FAX: Attn: Bob Hall, 510/724-5024. EOE M/F/D/V.

BIO-RAD Bio-Rad Laboratories

THE COMPETITION DEADLINE IS FEBRUARY 16, 1993

The BFGoodrich Company and the National Invention Center are seeking student applicants to compete in the 1993 BFGoodrich Collegiate Inventors Program. This highly visible national awards program recognizes student inventors, their advisors and institutions for their contributions and inventiveness.

Open to any full time student at a college or university in the U.S., this showcase competition rewards student achievements in patent development with awards of $5,000, $2,500 to their advisors, and a patent seminar for the institution.

Call Rose Heintz (216) 762-4463 for application information.

The BFGoodrich Collegiate Inventors Program
Administered by the National Invention Center
80 W. Bowery, Suite 201 Akron, Ohio 44308 • (216) 762-4463
Research Associate
TRANSGENIC ANIMAL PROGRAM

Amgen is an innovative, rapidly growing leader in the research and development of human therapeutics through applied biotechnology. Our continuing success has created an excellent opportunity for a versatile, experienced individual to oversee a challenging transgenic program.

The successful candidate will provide technical assistance, coordinate transgenic services, supervise transgenic technicians and consult/collaborate on research projects involving transgenic animals. Requirements include 4+ years applicable experience in molecular biology and transgenic animal technology, previous experience managing a transgenic program, excellent written and verbal skills, meticulous record keeping, microinjections, DNA analysis, and breeding management. Master's degree in related life sciences discipline and experience with embryonic stem cells, non-mouse models and cryopreservation highly desirable.

Amgen offers a very competitive compensation and benefits package in addition to a stimulating work environment. If you have the necessary qualifications, send your resume to: Amgen Inc., Staffing Department (Mail Code 10-1-A-411), Job Code #228-1, Amgen Center, Thousand Oaks, CA 91320-1789. Amgen is an equal opportunity employer.

Molecular Biosystems, Inc. (MBI), a leader in the development and manufacturing of contrast agents for medical imaging, including ultrasound, CT, and MRI is seeking a strong candidate to join our expanding preclinical team.

Associate Scientist Preclinical

Responsibilities include the initiation, design and execution of preclinical ADME Studies in support of product development.

Successful candidate must have a PhD in Pharmacokinetics (or related field) with 3+ years postdoc industrial experience in drug metabolism, IND’s, NDA’s, and animal studies. This position reports to the Director of Preclinical Studies.

We offer competitive salaries, a comprehensive benefits package, and a pleasant working environment. Qualified candidates should submit their résumé with salary history to: Molecular Biosystems, Inc., Human Resources Department A228-93, 10030 Barnes Canyon Road, San Diego, CA 92121. Job Hotline: (619) 452-7393 x411.

Postdoctoral Scientist Opportunities in Receptor Structure Function

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research and development, has exciting opportunities for two postdoctoral scientists to investigate structure/function relationships of G-protein coupled receptors.

Macromolecular Sciences

The postdoctoral scientist will join an ongoing multidisciplinary effort to investigate the structure and ligand interactions of bioactive peptide receptors.

Requirements include a Ph.D. in a relevant field with experience/interest in molecular biology (gene expression and mutagenesis) as applied to membrane protein structure/function studies. Expertise in either protein chemistry, receptor biochemistry, or fluorescence spectroscopy is desired. Publication of results is strongly encouraged. (Job #H0543)

Molecular Genetics

As a member of a multidisciplinary group engaged in research on CNS receptors, this individual will focus on structure/function relationships of ligand and G-protein interactions with serotonin receptors.

Requirements include a Ph.D. in a relevant biological science with experience/interest in molecular biology. Expertise in receptor biology or protein chemistry with a background in neuroscience is preferred, and experience with in situ hybridization or immunocytochemistry is desired. Publication of results is strongly encouraged. (Job #H0541)

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. We offer a competitive compensation/benefits/relocation package, as well as a stimulating and challenging work environment. For confidential consideration, please submit your C.V., indicating the appropriate job #, and the names of three references, to: SmithKline Beecham Pharmaceuticals, Senior Employment Administrator, PO Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham Pharmaceuticals
Challenging the natural limits.
POSTDOCTORAL POSITIONS

BACTERIAL PATHOGENESIS—Postdoctoral positions are available to investigate the molecular basis of syphilis and Lyme disease pathogenesis. The research will utilize a variety of contemporary molecular technologies and cellular and molecular approaches and to investigate components of Treponema pallidum and Borrelia burgdorferi that contribute to immunopathogenesis and protective immunity. These positions offer the opportunity to carry out research in an active and dynamic research environment. Applicants should have a Ph.D. and/or M.D. in Microbiology and/or Immunology. The laboratory of Dr. E. V. Norgard, Department of Microbiology, unrecognized, T. U. Southwestern Medical Center, 221 N. Harris Street, Dallas, Texas (USA) 75325. U. T. Southwestern Medical Center is an Equal Opportunity Employer.

POSTDOCTORAL POSITION IN MOLECULAR VIROLOGY OF HEPATITIS B VIRUS. Applicants should have a Ph.D. with training in Molecular Biology and/or Virology. The research project, based on previous studies (J. Virol. 65:2381–2392, 1991), will investigate the role of Topoisomerases (major emphasis on Topoisomerase I) in the integration and replication of hepatitis viruses. Albert Einstein College of Medicine, located on the campus of the medical center, is also near the beautiful Bronx Zoo and the Museum of Natural History. Send curriculum vitae and a letter of interest to: Dr. Charles A. Studdert, Department of Microbiology, Albert Einstein College of Medicine, Bronx, New York 10461. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study activation and desensitization kinetics of N-methyl-D-aspartate and kainate receptors. Qualified applicants with experience in whole-cell or single-channel recording. Send curriculum vitae and names of three references to: Barry Fallootta, Department of Pharmacology, UNC-Chapel Hill, NC 27599-7365. An Equal Opportunity/ Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS

1. Dr. Timothy C. Hall, transformation and regeneration of rice. A major responsibility will be to introduce transgenes conveying insect resistance. Candidates must have demonstrated expertise in plant tissue culture and will preferably have experience producing and analyzing transgenic lines with a variety of techniques. This position is highly desirable. Applications are encouraged for a minimum of two years and the salary will be commensurate with experience. Please send curriculum vitae and names of three references to: John O. K. Singh, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.

2. Dr. T. M. Driscoll, hybridization, to: Timothy Driscoll, Department of Plant Sciences, University of California, Davis, CA 95616. Applications are invited in any area of plant molecular biology. Send curriculum vitae and names of three references to: Timothy Driscoll, Department of Plant Sciences, University of California, Davis, CA 95616.

NIH TRAINING PROGRAM

Postdoctoral Positions in Cardiovascular Physiology

The Department of Physiology at Jefferson Medical College, Philadelphia, PA, offers a postdoctoral training program in physiology and pathophysiology of cardiovascular disorders. The areas of research involve studies on myocaridal energetics, phospholipids and calcium and processes in the regulation of smooth muscle cell contraction; role of G-proteins in smooth muscle contraction; endothelial function; neutrophil migration, and role of adhesion molecules in the interaction of neutrophils, leukocytes and endothelial cells in cardiovascular and pulmonary disorders. Emphasis will be placed on cellular and molecular approaches to these problems. Faculty participating in this NIH Training Program: Dr. J. H. Albert, Dr. J. F. Burdick, Dr. B. M. Hata, Dr. J. F. Weisfeld. Interested candidates are invited to apply to: Dr. Allen M. Lefer, Professor and Chairman, Department of Physiology, Jefferson Medical College, 1020 Locust Street, Philadelphia, PA 19107-6799. An Equal Opportunity/ Affirmative Action Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE. Endocrine and molecular bases of altered neuropeptide expression during reproductive aging. Experience in hormone assays, immunocytochemistry, Northern blot or in situ hybridization analysis preferred. Salary range: $25,000 to $30,000. Please send curriculum vitae and names of three references to: Dr. Philip LaPolo, Department of Anatomy and Cell Biology, UCLA School of Medicine, Los Angeles, CA 90024, FAX: (310) 825-2224, Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS IN MOLECULAR GENETICS/ONCOGENESIS

Tufts–New England Medical Center. Several funded positions currently available for qualified candidates with M.D. or Ph.D. degrees. Experience in molecular biology required. Applicants should send curriculum vitae and three letters of reference to: T. Krondiris, Box 245, New England Medical Center, 750 Washington Street, Boston, MA 02111.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE to work on the transcriptional regulation of genes encoding extracellular matrix proteins. Experience in molecular biology and cell culture desirable. Salary commensurate with experience. The University of Texas Health Science Center at Houston is an Equal Employment Opportunity/Affirmative Action Employer. Send curriculum vitae and three letters of reference to: Dr. Jeffrey Kreisberg, Department of Pathology, University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, TX 78284-7750.

POSTDOCTORAL POSITION available for research in molecular virology to study pathogenic mechanisms of Mycoplasma pneumoniae (PPV) under the direction of Dr. Jonathan S. Allan. A Center for AIDS Research consists of investigators currently funded in multidisciplinary areas of vaccine development, chemotherapy, molecular biology, and pathogenicity. Candidates are expected to have a Ph.D., D.V.M. or M.D. and training in molecular cloning and DNA sequencing. An annual salary of $23,691 and $33,280, commensurate with relevant experience. Interested individuals should send curriculum vitae and the names, addresses and telephone numbers of three references to: Personnel Manager (243), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147. An Equal Opportunity Employer, M/F.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. Full-time position available immediately to study the regulation and role of the fatty acid metabolizing cytochrome P450 gene family in carcinogenesis, signal transduction, and human disease. Experience in molecular biology necessary. Competitive salary and fringe benefits. Submit curriculum vitae, letters of recommendation and research papers to: Office of Human Resources, c/o Dr. James F. Hardwick, Northenst Research Institute, University of Medicine and Dentistry, P.O. Box 95, Rootstown, OH 44272. An Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF WINDSOR

GREAT LAKES INSTITUTE FOR ENVIRONMENTAL RESEARCH POSTDOCTORAL FELLOWSHIPS GREAT LAKES RESEARCH

The Great Lakes Institute for Environmental Research at the University of Windsor announces the availability of up to five Postdoctoral Fellowship Positions as part of its Great Lakes research program. Candidates should be able to contribute to one of the strengths of the Great Lakes Institute for Environmental Research which include ecotoxicology, ecology, waste water management, environmental engineering, environmental policy development and environmental restoration. Positions are available immediately, and will be open until suitable candidates are appointed. The University of Windsor is committed to the principles of employment equity, and applications from Aboriginal Peoples, persons with disabilities and members of visible minorities. Applications from women are particularly encouraged. Applications should include complete curriculum vitae and names of three referees, and be directed to: Dr. G. D. Haffner, Interim Director, Great Lakes Institute for Environmental Research, University of Windsor, 304 Sunset Avenue, Windsor, Ontario N9B 3P4.

GRADUATE STUDENT ASSISTANTSHIPS—PH.D. PROGRAM IN BIOTECHNOLOGY—The Department of Microbiology, Immunology and Parasitology at Cornell University seeks candidates for Graduate Student Assistantships in Biotechnology Ph.D. Program. The program emphasizes research in viral and parasitic diseases and immunology. Citizens and nationals of the U.S.A. who are graduates of relevant undergraduate programs, as well as those with M.D., D.V.M. or equivalent degrees, are encouraged to apply. Successful applicants will have access to a varied and well-equipped facility and be expected to pursue a Ph.D. degree. Applications should include a letter of interest, a statement of research interests, and three letters of recommendation. The Department of Pathology, University of Texas Health Science Center, Southwestern Medical School, 7703 Floyd Curl Drive, San Antonio, TX 78284-7750.
NRC – Canada’s top R&D organization – helps its industry partners become stronger global competitors. Currently, NRC’s Biotechnology Research Institute is looking for those rare people who can help further our record of excellence.

The Biotechnology Research Institute (BRI) is a dynamic research centre committed to pursuing, together with industrial and University Partners, biotechnological research oriented towards industrial application. Created in 1983, the Institute now occupies a 19,000m² facility equipped to reflect the multidisciplinary nature of biotechnology: research and development is conducted in biochemical engineering, molecular genetics and protein engineering.

Research Officer (Montreal, Quebec)
Reference: RB-92-39.SCI

YOUR CHALLENGE

Within the Cell Culture engineering Group, you will supervise projects on the development of expression vectors for mammalian cells. The work will consist of construction of vectors and stable cell lines for the production of recombinant protein. The work also involves the engineering of new cell lines able to grow at higher cell densities in bioreactors while producing large quantities of correctly folded recombinant proteins.

YOUR CREDENTIALS

Ph.D. in biology, biochemistry or microbiology. Considerable postdoctoral training in the field of cellular and molecular biology of animal cells with emphasis on cell physiology and gene expression in mammalian cells. Experience in cell culture technology, flow cytometry and protein biochemistry.

Knowledge of both English and French is required. Unilingual persons may apply but must indicate their willingness to become bilingual and demonstrate their potential to achieve the required levels of linguistic proficiency. A security screening will be required.

SALARY RANGE: Commensurate with qualifications.

To explore this opportunity, send your application by January 29, 1993, indicating the appropriate reference number to: Suzanne LaBonté, Personnel Officer, Biotechnology Research Institute, National Research Council of Canada, 6100 Royal-mount Avenue, Montreal, Quebec, H4P 2R2.

Vous pouvez obtenir ces renseignements en français.
Postdoctoral Research Positions  
Center for Macromolecular Design  
Texas A&M University  

The Center for Macromolecular Design, a component of the Institute of Biosciences and Technology at Texas A&M University, invites applications for postdoctoral research positions. The Center brings together faculty from diverse disciplines, including biochemistry, chemistry, agriculture and life sciences, medicine, and engineering, with a common interest in protein structure and function. The present members of the Center are: Thomas Baldwin: Mechanisms of protein folding; regulation of transcription; structure and mechanisms of luciferases. Bruce Dele: Phase equilibrium models for predicting enthalpy and heat capacity changes of protein folding. Leland Ellis: Protein engineering; structure/function studies of the human insulin receptor. Paul Fitzpatrick: Mechanisms of pterin and flavin dependent enzymes; effects of phosphorylation on protein structure and function. David Gledoc: Protein-nucleic acid interactions; spectroscopic probes of protein structure; RNA structure. Scott Linthicum: Antibody-antigen interactions; monoclonal antibodies as probes of receptor structure. Nick Pace: Protein stability; mechanisms of protein folding. Frank M. Rauschel: Enzyme reaction mechanisms; protein folding pathways; protein structure.  

To apply, send curriculum vitae and names and addresses of three references to one of the above at Center for Macromolecular Design, Mail Stop 2128, Texas A&M University, College Station, TX 77843. To be considered by more than one member of the Center, please so indicate in a cover letter addressed to Thomas O. Baldwin, Director. TAMU is an Equal Opportunity/Affirmative Action Employer.

Clinical Oncology Research Career Development Program  

The Arizona Cancer Center of the University of Arizona Health Sciences Center announces a Clinical Oncology Research Career Development Program. Positions are available to train junior faculty in Clinical Research. Candidates will develop the expertise to conduct laboratory-based clinical research and to carry out all aspects of a clinical research program including basic research; preclinical laboratory modeling to test clinically relevant hypotheses; and planning, design, conduct and analysis of clinical trials in diagnosis, prevention and/or treatment of cancer. A multidisciplinary approach linking laboratory and clinical research which integrates several clinical oncology disciplines will be emphasized. At least 75% of the candidate's time will be dedicated to the training program. Up to 5 years of salary and laboratory support is available through a Clinical Oncology Faculty Training Grant. Candidates must have the M.D. or Ph.D. degree but may also hold the Ph.D. degree and must have completed training in and be board eligible in the oncologic disciplines of medical oncology, radiation oncology, surgical oncology, gynecological oncology or in a related discipline such as pathology. Candidates must be American citizens or permanent residents. Interested applicants should submit a letter outlining their background and interests in clinical oncology research, a CV and bibliography and 3 letters of recommendation including one from a laboratory or clinical research mentor to: Raymond Textor, M.D. Chief of Hematology Arizona Cancer Center 15911 N. Campbell Avenue Tucson, AZ 85724  

The University of Arizona is an affirmative action equal opportunity employer. Women and minorities are urged to apply.

Director, Clinical/Regulatory Affairs  

CYPROS PHARMACEUTICAL CORPORATION is an early stage biopharmaceutical company focusing on small molecule therapeutics for disorders which involve general ischemia. The Company's initial drug candidates address cerebral ischemia, stroke and sepsis. Two of our product opportunities are moving from pre-clinical development into clinical trials. 

We seek a highly motivated individual with experience in the design, implementation and analysis of clinical trials, and in the completion and filing of IND, ANDA, PLA and NDA submissions to the FDA. 

The ideal candidate will have 5 to 10 years experience in corresponding, consulting and meeting with the FDA in all phases of preclinical and clinical development. A working relationship with the Division of Neuropharmaceuticals at the FDA is desirable. Please send resume & salary history to: Howard Jones, Ph.D. Vice President, Drug Development Cypros Pharmaceutical Corporation 11211 Sorrento Valley Road, Suite I San Diego, CA 92121, U.S.A. CPC is an Equal Opportunity Employer
**Organismal Biology**

The Department of Biology, in collaboration with the Peabody Museum of Natural History, seeks to fill several positions in Organismal Biology. Rank is open. While outstanding scholars/teachers working with any taxon will be considered, we are particularly interested in the fields of botany, entomology, and invertebrate and vertebrate zoology.

We seek individuals compatible with Yale University's existing strengths in molecular ecology, phylogeny, earth history and conservation biology. Successful candidates will be expected to teach in the organismal diversity component of the interdisciplinary Organismal Biology Program and to oversee an appropriate division of the Peabody Museum of Natural History.

Please send 3 relevant reprints, 3 letters of recommendation, curriculum vitae, and a short statement by February 15, 1993 to:

Chair, Organismal Biology Search Department of Biology
Osborn Memorial Laboratory, Room 201
Yale University
P.O. Box 6666
New Haven, CT 06511-8155

Yale University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are especially urged to apply.

---

**SYMPOSIUM ANNOUNCEMENT**

Two full-day symposia presented by The Franklin Institute in conjunction with the presentation of the 1992 Bower Award and Prize for Achievement in Science to Denis Parsons Burkitt, M.D., London, and the Bower Award for Business Leadership to Arnold O. Beckman, Ph.D., Irvine, CA.

**THE FUTURE OF R&D:**

- The Role of the Private Sector in Science Technology
  January 14, 1993
- The Critical Challenge of R&D
  Arnold Thackray, Ph.D., Chemical Heritage Foundation
  Leonard Lerman, Ph.D., Chairman, AAAS
- A National Policy for R&D
  Herbert J. Fusfeld, Ph.D., Center for Science and Technology Policy
  Jeffrey Place, Ph.D., Proctor & Gamble
  Rodney Nichols, The New York Academy of Sciences
- Keynote Speakers
  C. Everett Koop, M.D., Former Surgeon General
  Change in R&D
  Barry S. Cooperman, Ph.D., University of Pennsylvania
  Alexander MacEachlan, Ph.D., Du Pont Research and Development
  Theodore L. Brown, Ph.D., University of Illinois
  Charles H. Herz, National Science Foundation
  Louis Pribulo, Ph.D., University City Science Center

**DIET AND DISEASE:**

- The Role of Lifestyle and Nutrition in Western Diseases
  January 15, 1993
- Introduction
  C. Everett Koop, M.D., Former Surgeon General
- The Bower Science Lecture
  Denis P. Burkitt, M.D., 1992 Bower Award Laureate
- Participants:
  - J. Michael McGinnis, M.D., U.S. Dept. of Health and Human Services
  - John Higginson, M.D., Georgetown University
  - Paul F. Engstrom, M.D., Fox Chase Cancer Center
  - Colin Campbell, Ph.D., Cornell University
  - Albert J. Stunkard, M.D., University of Pennsylvania
  - R. Wing, Ph.D., University of Pittsburgh School of Medicine
  - Marie Cassidy, Ph.D., George Washington University Medical Center
  - W. P. Castelli, M.D., National Institutes of Health
  - Jon A. Story, Ph.D., Purdue University
  - Henry W. Blackbum, M.D., University of Minnesota

For further information contact:
Larry E. Tise, Ph.D., Executive Director
The Benjamin Franklin National Memorial
The Franklin Institute
20th Street at the Benjamin Franklin Parkway
Philadelphia, PA 19103
215 448-1359 FAX 215 448-1394

---

**FACULTY POSITION**

**Research Oral Pathologist**

Department of Oral Pathology, Biology & Diagnostic Sciences-New Jersey Dental School invites applications for full-time, tenured or tenure-track position as Research Pathologist. Primary responsibility will be to serve as focal point for interactive departmental research involving basic and clinical scientists in dynamic, multidisciplinary environment. Some teaching (general, systematic and oral pathology) expected. Individuals with demonstrated success in obtaining extramural support and currently engaged in productive research preferred. Successful candidate should possess academic and scholastic credentials to qualify for joint appointment in the appropriate basic science department of adjacent New Jersey Medical School.

Academic rank and salary commensurate with experience. Applicants should send a CV, current and projected research efforts and the names of 3 references to: Dr. Richard Vogel, Chairman, Department of Oral Pathology, Biology & Diagnostic Sciences, New Jersey Dental School, 110 Bergen Street, Newark, NJ 07103-2400. UMDNJ, N.J.'s university of the health sciences, is an Affirmative Action/Equal Employment Opportunity Employer, m/f/vv, and a member of the University Health System of New Jersey.
THE UNIVERSITY OF MICHIGAN
Ann Arbor, Michigan 48109
December 1993

TO: Dr. Debra Hullett

FROM: C. H. BEST INSTITUTE

SUBJECT: POSTDOCTORAL FELLOWSHIP

The Center for Neurosciences at the University of California, Davis, is seeking applications for a Postdoctoral Neuropathology Fellowship in the laboratory of Dr. C. H. Best. The Fellowship is a two-year position with a possibility of renewal for a third year.

The successful candidate will work with Dr. Best to investigate the role of the neurovascular unit in the pathogenesis of neurological disorders. Research will include the use of in vivo and in vitro techniques to study the molecular mechanisms underlying neurovascular pathology.

Applicants should have a Ph.D. or M.D. degree and a strong background in molecular biology, biochemistry, or a related field. A strong interest in neuropathology and a desire to contribute to the field of neurovascular pathology are essential.

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

SPORE LUNG CANCER FELLOWSHIP IN PATHOLOGY

The University of Colorado is seeking applications for a Postdoctoral Fellowship in the laboratory of Dr. Michael Gazzaniga, Director of the Cancer Center. The Fellowship is a one-year position with the possibility of renewal for a second year.

The successful candidate will work with Dr. Gazzaniga to study the molecular basis of lung cancer. Research will include the use of molecular and cellular biology techniques to identify new targets for therapy and to develop novel strategies for the treatment of lung cancer.

Applicants should have a strong background in molecular biology, biochemistry, or a related field. A strong interest in lung cancer and a desire to contribute to the field of pulmonary biology are essential.

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

SCIENCE POSTDOCTORAL FELLOWSHIP IN ENDOCRINOLOGY

The University of Massachusetts Medical School is seeking applications for a Postdoctoral Fellowship in the laboratory of Dr. Robert Kardon. The Fellowship is a two-year position with the possibility of renewal for a third year.

The successful candidate will work with Dr. Kardon to study the role of the hypothalamus in the regulation of endocrine function. Research will include the use of molecular and cellular biology techniques to identify new targets for therapy and to develop novel strategies for the treatment of endocrine disorders.

Applicants should have a Ph.D. or M.D. degree and a strong background in molecular biology, biochemistry, or a related field. A strong interest in endocrinology and a desire to contribute to the field of endocrine biology are essential.

The University of Massachusetts Medical School is an Equal Opportunity/Affirmative Action Employer.

YALE UNIVERSITY POSTDOCTORAL RESEARCH FELLOWSHIP IN PHYSIOLOGY OF CLONED CALCIUM CHANNELS

The Department of Physiology at Yale University is seeking applications for a Postdoctoral Fellowship. The Fellowship is a two-year position with the possibility of renewal for a third year.

The successful candidate will work with Dr. David Sabatini to study the molecular basis of calcium channel function. Research will include the use of molecular and cellular biology techniques to identify new targets for therapy and to develop novel strategies for the treatment of calcium channel disorders.

Applicants should have a Ph.D. or M.D. degree and a strong background in molecular biology, biochemistry, or a related field. A strong interest in calcium channel biology and a desire to contribute to the field of calcium channel biology are essential.

The Yale University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION IN MOLECULAR GENETICS

The University of Michigan is seeking applications for a Postdoctoral Fellowship in the laboratory of Dr. Susan Helinski. The Fellowship is a two-year position with the possibility of renewal for a third year.

The successful candidate will work with Dr. Helinski to study the molecular basis of DNA replication and recombination. Research will include the use of molecular and cellular biology techniques to identify new targets for therapy and to develop novel strategies for the treatment of DNA replication and recombination disorders.

Applicants should have a Ph.D. or M.D. degree and a strong background in molecular biology, biochemistry, or a related field. A strong interest in DNA replication and recombination and a desire to contribute to the field of DNA replication and recombination biology are essential.

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

POSTDOCTORAL RESEARCH FELLOWSHIP IN DEVELOPMENTAL BIOLOGY

The University of California, Davis, is seeking applications for a Postdoctoral Fellowship in the laboratory of Dr. Robert Kardon. The Fellowship is a two-year position with the possibility of renewal for a third year.

The successful candidate will work with Dr. Kardon to study the molecular basis of developmental biology. Research will include the use of molecular and cellular biology techniques to identify new targets for therapy and to develop novel strategies for the treatment of developmental disorders.

Applicants should have a Ph.D. or M.D. degree and a strong background in molecular biology, biochemistry, or a related field. A strong interest in developmental biology and a desire to contribute to the field of developmental biology are essential.

The University of California, Davis, is an Equal Opportunity/Affirmative Action Employer.
PRESIDENT
MEDICAL COLLEGE OF OHIO
PRESIDENT
The National College of Ohio, a free-standing health sciences college, is seeking a new President. MCO confers degrees in medicine, nursing and allied health; the graduate school offers masters in biomedical sciences, nursing and allied health disciplines and PhDs in the basic sciences. The campus of MCO is located in suburban Toledo, Ohio, with modern, well-equipped and attractive research facilities. In addition to its own 319 acute, rehab and psychiatric beds, MCO utilizes Toledo's three finest tertiary hospitals in its teaching program. The independent Board of Trustees seeks candidates who hold an MD and/or PhD degree, are supportive of expansion of research activities, are flexible and enthusiastic about expanding MCO's programs and services. The Search Committee encourages candidates from a wide variety of backgrounds and disciplines to apply. MCO is an affirmative action, equal opportunity employer.

Please send recommendations and resumes to: B.G. Thompson, Chairman/Presidential Search Committee, The Medical College of Ohio, P.O. Box 10008, Toledo, OH 43699-0008.

NATIONAL INSTITUTES OF HEALTH
SCIENTIST
The National Center for Human Genome Research seeks outstanding candidates with a Ph.D., M.D., or equivalent degree and experience in molecular biology or genetics, chemistry/biochemistry, bioengineering, or computational biology to coordinate review of a broad spectrum of applications concerned with physical and genetic mapping, sequencing, informatics, and ethical issues related to genomic research. The position offers an exciting opportunity to join a talented team of scientists managing the Human Genome Project and shaping the future of biology and medicine. Salary range is $38,961 to $70,987. Candidates should submit curriculum vitae and names of three references to:

Linda Engel, Chief
Office of Scientific Review
National Center for
Human Genome Research
National Institutes of Health
Building 38A, Room 604
9000 Rockville Pike
Bethesda, MD 20892

U.S. Citizenship Required

NIH is an Equal Opportunity Employer

Harvard Medical School-McLean Hospital
Alcohol and Drug Abuse Research Center
Applicants are invited to apply for post-doctoral research training (National Research Service Awards) at the Alcohol and Drug Abuse Research Center on the grounds of McLean and at the Harvard Medical School.

The Alcohol and Drug Abuse Research Center is a multidisciplinary research program which includes basic, clinical and treatment research. Trainees may participate in research on the behavioral pharmacology of substance abuse; the neuroendocrine consequences of cocaine and alcohol abuse; the effects of drug abuse on the brain as assessed by brain imaging techniques (MRI, MRS, SPECT, and EEG); the evaluation of the safety and effectiveness of new pharmacotherapies for the treatment of drug abuse. The clinical research programs emphasize analysis of the antecedents and consequences of drug abuse by women. McLean Hospital is an affiliate of the Harvard Medical School and the Massachusetts General Hospital and is located in Belmont, MA, a suburb of Boston. Salary is commensurate with experience (PGY 1 to PGY 7).

Please send a curriculum vita, reprints of some recent papers, a brief statement about research interests and goals, and the names of three references (including complete addresses and telephone numbers) to: Dr. Jack H. Mendelson, Professor of Psychiatry (Neuroscience) or Dr. Nancy K. Mello, Professor of Psychology (Neuroscience), Co-Directors, Alcohol and Drug Abuse Research Center, McLean Hospital, 115 Mill Street, Belmont, MA 02178.

McLean Hospital is an equal opportunity/affirmative action employer.
MOLECULAR BIOLOGY

QIAGEN INC. is a fast-growing Los Angeles area company, committed to excellence in the development and marketing of unique and innovative products for molecular biology. We are seeking highly motivated and talented individuals to join our sales & marketing groups.

Technical Sales Trainees/Telemarketing
Applicants should have a BS degree in molecular biology or related field and 1 year of laboratory experience in molecular biology. No prior sales experience is required. Will be responsible for qualifying leads, and selling to selected customers over the phone. The position is based in Los Angeles.

Technical Support Representatives
Applicants should have a BS/MS degree in molecular biology or related disciplines with 2+ years of laboratory experience in molecular biology. Will be responsible for answering technical inquiries related to our product lines, assisting customers with product applications and technical writing. Should have good communication skills, proven technical writing skills and the ability to work independently.

Western Regional Sales Manager
Applicants should have a BS/MS degree in molecular biology or related fields and 2+ years of lab experience in molecular biology. 3-5 years sales experience is required (in molecular biology products). Prior sales management experience is required. Overnight traveling (50%) is necessary. Will be responsible for six sales reps in the Western/Midwest region.

We offer competitive salaries, benefits including relocation assistance and a challenging, high growth environment. For immediate consideration, please fax a resume, salary history and reference names to: QIAGEN INC. Fax: 818-718-2056, Phone: 800-426-8157.

BROOKHAVEN NATIONAL LABORATORY

MANAGER,
OFFICE OF EDUCATIONAL PROGRAMS

Brookhaven National Laboratory is one of the nation’s leading R&D facilities. The Laboratory is located on Long Island, New York and operated by Associated Universities, Inc., under contract with the U.S. Department of Energy (DOE). We presently seek candidates for the challenging position of Manager, Office of Educational Programs.

As a DOE Designated Science Education Center, our objectives are to provide educational opportunities and training in the sciences to primary, secondary and undergraduate students and to interact with teachers to maintain and improve their understanding and knowledge of technological issues. Over the course of the year, we work with approximately 700 institutions and 4000 students.

We require a minimum of an MS in a technical field (PhD in a relevant field preferred), excellent oral and written communication skills, demonstrated management experience, and a history of involvement in science education. Knowledge of DOE programs is highly desirable. Responsibilities will include managing the Program Office and working with educators to develop new programs and to provide leadership to explore new ideas for the future. Candidates must be free to travel.

The Laboratory offers a superior work environment and an excellent benefits package. If you are interested in this special opportunity please forward your CV and a description of your relevant experience, referring to position #MB8100/SCI, no later than January 31, 1993, to: Brookhaven National Laboratory, Personnel Division, Bldg. 185, Upton, NY 11973. An equal opportunity employer m/f/d/v.

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
on the frontier of science and technology

Education

Improving Math And Science Education

NCREL develops R&D resources to support instructional improvements in elementary and secondary schools in a 7-state area. We have recently established a Midwest Consortium for the Systemic Reform of Math & Science Education (MSC) to further the professional development of teachers and administrators. Help us with this vital task.

Evaluators-Design/conduct activities for internal evaluation of the Consortium and external evaluation of associated sites/projects. A PhD in Educational Evaluation or a related field, or an MS in evaluation with 3 years related experience required. Your professional expertise must encompass: case study and qualitative/quantitative methods; survey research; K-12 curriculum and instruction issues as related to math/science; school change processes; strong writing skills and the ability to travel 30% of the time.

Math/Science Education Specialists-Assess needs and provide on-going assistance in the design/implementation of instructional improvements in math and science education, and assist in developing professional development initiatives. A Master’s degree with a Math/Science content specialty, coupled with experience in rural/urban K-12 systems or other underrepresented and underserved populations, required. Preference will be given to candidates familiar with contemporary pedagogical theory/practice, expertise in professional/organizational development design and the ability to develop and review proposals.

Telecommunications/Database Management Technical Specialist-Work with staff to design/implement text-based databases and on-line electronic dissemination network. Must demonstrate the ability to create linkages between school-based PCs and the NISE network. Knowledge of Novell, PCs, database programming and Internet and its users preferred.

Dissemination Coordinator-Gather and display mathematics/education materials in a resource center while developing and expanding dissemination partnerships with various agencies. Experience with regional, state and local education agencies, as well as schools, professional organizations and institutions of higher education, required. Strong writing skills and the ability to track information requests, coordinate conferences and effectively utilize computer teleconferencing/online databases essential.

Program Assistant-Research support, conference participation, professional development programs are key accountabilities. A BS in Math/Science and experience in primary/secondary education required. Familiarity with cognitive approaches to math/science education preferred.

Applicants must respond by December 31, 1992 to Doris Belknap, Personnel Director, NCREL, 1900 Spring Rd., Suite 300, Oak Brook, IL 60521-1480. Attention: Dept MSC. To be considered, the following is required: cover letter, detailed resume or curriculum vitae, and three references with phone numbers. An equal opportunity employer, we actively encourage women and minorities to apply.
Push The Limits Of Pharmaceutical Success.
San Francisco Bay Area

ALZA is a leading drug delivery systems company focused on the development, manufacture and marketing of proprietary pharmaceutical products. We are now looking for two experienced professionals to join our long-standing tradition of scientific and manufacturing excellence. If you thrive on working in a dynamic environment, with the best people in the business, then join ALZA and push the limits of pharmaceutical success.

Head, Biological Research
You will have responsibility for providing overall scientific leadership and direction in Skin Biology, Mucosal Biology, and drug/membrane absorption across a wide variety of biological interfaces and drug effects on interfaces. You will also provide direction in Protein Pharmacology, Physiology and Protein Characterization, assure research quality in relevance to product development activities; and identify new areas of research. This is your chance to become a key member of the team responsible for identifying directions for drug selection and delivery. The qualified candidate will have a PhD in Cell Biology, Physiology, or related discipline, or an MD/PhD with extensive training or background in laboratory science. In addition, you must be currently engaged in biological research in an academic or industrial setting. A background in developing and carrying out important, independent biological research is imperative. Excellent interpersonal and communication skills are essential to your success.

Research Scientist
If you’re a Biologist/Physiologist with 3-5 years of experience in gastrointestinal physiology of absorption, this is the position for you. Experience in animal models and cell cultures is required. A solid understanding of drug absorption in the colon, cell membrane biology and transport is desirable.

To push beyond the limits of excellence, send your resume, indicating position of interest, to ALZA, Human Resources, 950 Page Mill Road, P.O. Box 58090, Palo Alto, CA 94303-0802. FAX (415) 494-5151. We are pleased to be an equal opportunity employer and encourage applications from qualified persons with disabilities.

Wayne State University
Department of Chemistry

SENIOR FACULTY POSITION: We are seeking to fill a senior faculty position at the PROFESSOR or ASSOCIATE PROFESSOR level. Candidates should have developed a vigorous research program and have a strong history of extramural research funding. Exceptional junior candidates meeting these criteria will also be considered. The area of research is open, but should complement existing research programs in the Division, which include DNA-protein interactions, molecular mechanisms of mutation induction, carcinogen-DNA interactions, mechanisms of enzyme reactions, gas-phase DNA sequencing, and rational drug design. The successful candidate is expected to interact with both graduate and undergraduate biological chemistry students and to assume a leadership role in a vigorous young Division.

The Department of Chemistry offers a supportive academic environment and a strong graduate program. Excellent opportunities exist for collaborative research with individuals in the adjacent Department of Biological Sciences, Center for Molecular Biology, and Michigan Cancer Foundation, as well as the basic science departments in the nearby School of Medicine and the College of Pharmacy. The Department of Chemistry offers an excellent research environment which includes a generous research laboratory space, a departmental Central Instrument Facility with research level EPR, IR, LC-MC, GC-MS, and NMR instruments, including newly acquired 300 and 500 MHz units. Instrumentation for stopped-flow kinetic measurements and fluorometry is also available, as well as a state-of-the-art X-ray crystal structure analysis. Additional chemistry multi-user facilities include ultracentrifuges, scintillation counters, autoclaves, and an automated X-ray developer. Other centers on the Wayne State campus provide automated DNA synthesis and sequencing instrumentation, protein crystallization and sequencing services, flow cytometry, and electron microscopy support.

Applicants will submit curriculum vitae, a list of research support, a brief statement of current and future research interests, and a list of at least three individuals willing to provide letters of reference. Respond to:
Prof. Richard L. Lintvedt, Chair
Department of Chemistry
Wayne State University
Detroit, MI 48202.

To ensure full consideration, applications should be received by Jan. 31, 1993. Review of applications will begin before this date and will continue until a suitable candidate is identified. Applications from minority and women candidates are strongly encouraged. Wayne State University is an Affirmative Action/Equal Opportunity Employer.

Vice Provost for Research & Dean of the Graduate School
Virginia Polytechnic Institute & State University

Virginia Tech invites nominations and applications for the position of Vice Provost for Research & Dean of the Graduate School. This academic officer serves as the principal advocate for research and graduate programs and reports to the Senior Vice President and Provost.

The Vice Provost has overall administrative responsibility for the Research Division and the Office of Sponsored Programs, and works with the college deans to advance the research mission of the University. The Dean of the Graduate School is responsible for the promotion and implementation of policies governing 82 master's and 74 doctoral programs which enroll over 4,000 graduate students on campus and 2,000 students at off-campus centers in Virginia.

Virginia Tech is the senior land-grant university in the Commonwealth. Located in Blacksburg between the Allegheny and the Blue Ridge Mountains and near Roanoke, the University enrolls approximately 23,000 students in nine colleges on the Blacksburg campus. Annual research expenditures exceed $120 million.

Preference will be given to candidates who have academic credentials consistent with a senior faculty appointment, a good understanding of land-grant or research universities, an outstanding record of scholarship, demonstrated administrative skills, and a strong commitment to excellence in graduate and undergraduate instruction.

Review of letters of application with an accompanying vita will continue until the position is filled. Virginia Tech is committed to diversity among its faculty and staff and particularly encourages applications from women and minorities. Nominations are also invited. Communications should be addressed to: Dr. James Wolfe, Vice Provost for Academic Affairs, 201 Burruss Hall, Virginia Tech, Blacksburg, VA 24061-0132.

Virginia Tech is an Equal Opportunity, Affirmative Action Employer.

Scientist/Sr. Scientist
(Position #92-90)

Opportunity for scientist with demonstrated success in Cancer Biology. Qualified individual will have a good background in biochemical, cellular, and animal pharmacological models used to evaluate chemotherapeutic agents. Candidate should have good supervisory skills and ability to work in a team environment. Ph.D. and postdoctoral experience in relevant field with 2-5 years of experience in cancer biology. Panlabs is an international company providing R&D services to the pharmaceutical industry worldwide, located north of Seattle. Submit resume/VC with 3 references to:

PANLABS, INC.
Attn: Human Resources #92-90
11804 North Creek Parkway S.
Bothell, WA 98011-8805

An Equal Opportunity Employer.
RESEARCH ASSOCIATE/PROJECT DIRECTOR in the Molecular Genetics of human disease. Full-time. The project is for initiation of DNA repair gene and development of effective therapy. Two to four years of Molecular Biology and tissue culture experience desirable. Pay commensurate with experience. This position offers an unusually creative and challenging opportunity to participate in the research management. Scientific contribution will be respected in publication. Send resume and three references to: Mr. T. K. H. Smith. Department of Medical Genetics, Children's Hospital of Pittsburgh, Genethics-103, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. Telephone: (503) 494-7191. Equal Opportunity Employer.

RESEARCH ASSOCIATE for university in central Ohio. Designing, executing, coordinating and controlling experiments. Designing and performing experimental procedures using immunocellulinic acid probes and detecting DNA damage and repair, using damage-specific techniques against specific gene segments; performing ELISA, ISB and southern hybridization of target sequences separated by gel electrophoresis; studying the role of DNA damage and repair in molecular carcinogenesis. Direct a project involving cell lines to genes to writing manuscripts, reports and abstracts for meetings and publication; performing basic lab maintenance and teaching techniques and developing new methodology for detection of DNA damage in vivo in human cells; applying immunoassay methods to localize gene specific damage and repair of this damage in single cells; using computers to analyze the immunoassay results. Supervising and training laboratory entry-level positions. No experience required in above. Bachelor's degree will qualify with M.S. in biological health science and at least two years of experience working in a biomedical research lab with bacterial and viral systems, and working with human cell cultures; working directly with the Ames Test; using micromanipulation techniques, centrifuges, ultracentrifuges, spectrophotometers, photofluorometers, scintillation counters and microscopes. DNA isolation, labeling and Southern Blotting and staining techniques. Forty hours per week, 8:00 am to 5:00 pm, Monday through Friday, $21.50 per hour. Salary competitive with industry and commensurate with experience. This non—tenure stream position is available July 1, 1993. In order to ensure full consideration, applications must be received by March 31, 1993. Contact: Dr. Terry Van Dyke, Department of Biological Sciences, 278 Crawford Hall, Pittsburgh, PA 15260. Telephone: (412) 648-7453. FAX: (412) 642-4579. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE to manage Transgenic Facility. The Departments of Biological Sciences and Pediatrics, University of Pittsburgh and Children’s Hos- pital of Pittsburgh are currently seeking a Ph.D. to direct the operation of a transgenic facility already under development. Experience in Stem Cell Technology is preferred but not required. Salary competitive with industry and commensurate with experience. This non—tenure stream position is available July 1, 1993. In order to ensure full consideration, applications must be received by March 31, 1993. Contact: Dr. Terry Van Dyke, Department of Biological Sciences, 278 Crawford Hall, Pitts- burg, PA 15260. Telephone: (412) 648-7453. FAX: (412) 642-4579. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

STAFF RESEARCH ASSOCIATE to conduct research in molecular biology of parasitic protozoa. Develop culture lines and maintain parasite cultures. Perform karyotype and schizodeme analysis of parasites. Apply recombinant DNA and PCR technology to design and test specific probes for detection and identification of parasite DNA and RNA, or equivalent work in Molecular Biology; at least two years in the job offered or two years research experience in molecular biology of kinetoplastid parasites is desirable. Demonstrated ability to design and perform research projects involving cloning and sequence analysis of nucleic acids. Practical knowledge of culturing parasitic protozoa. Experience in computer applications. Salary $31,200 per year. Job location/interview: Los Angeles, California. Please send this ad and resume to: Job # WS12897, P.O. Box 9560, Sacramento, CA 95823—0660, no later than December 28, 1992.

RESEARCH ASSOCIATES IN VIVO PHARMACOLOGY Acea Pharmaceuticals, Inc., a start-up neurobiotechnology company located in Irvine, California, seeks research associates for its In vivo Pharmacology Group. These positions involve in vivo research and require knowledge of pharmacology, pharmacokinetics, injection techniques, tissue and blood sampling. Computer skills and experience with statistical analysis is preferred. Send a cover letter and resume including the names and addresses of references to:

Dr. P. Marek
Acea Pharmaceuticals, Inc. 1063 Health Sciences Research West Irvine, CA 92715

RESEARCH ASSOCIATE/POSTDOCTORAL POSITION. The Division of Endocrinology, Department of Pediatrics, University of Pittsburgh has an opening for a Ph.D. Molecular Biologist to participate as a Research Associate/Postdoctoral trainee in research relating to growth hormone and involved in the regulation of growth factors/receptors in growth and development. Fully operational and equipped laboratory currently staffed by M.D., Ph.D. and technical support with endowed and NIH funding. The successful candidate would be eligible for faculty appointment. Salary and benefits are competitive. This position is available July 1, 1993. In order to ensure full consideration, applications must be received by March 31, 1993. Contact: Dr. Mark A. Sperling, Chairman, Department of Pediatrics, Children’s Hospital of Pittsburgh, Fifth Avenue, Pittsburgh, PA 15213. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

There is an immediate opening for a Ph.D.-level REPRODUCTION BIOLGIST to develop independent and extramurally fundable research in either reproductive immunology, reproductive genetics, preimplantation genetic diagnosis, or human reproductive endocrinology. Preference is given to an established investigator who maintains a lab with a core of graduate students and postdoctoral fellows. Salary range is $40,000—$55,000. Send current vitae and three letters of reference to: Richard G. Rawlins, Ph.D., Director IVF/ART Laboratories, Department of Obst/Gyn, Rush-Presbyterian-St. Luke’s Medical Center, 1563 West Congress Parkway, Chicago, IL 60612, FAX: (312) 942-4043.

EVOLUTIONARY BIOLOGIST The Department of Biology, University of California, Los Angeles, is expanding its interdisciplinary program in evolutionary biology. We seek a outstanding individual with expertise in evolutionary biology and experience in administering research grants and writing proposals. Candidates for this tenured or tenure-track position should have a rigorous research program using modern approaches to problems in evolutionary biology, and be experienced in teaching and graduate training in programs in evolution. The specific area of specialization and level of appointment are open. The position will be available July 1, 1993. Applicants should submit curriculum vitae, description of research interests, and names and addresses of three referees to: Dr. William F. Maddison, Chairman, Biolog- ical Biologist Search Committee, Department of Bi- ology, University of California, Los Angeles, CA 90024—1748. Deadline for receipt of applications is February 1, 1993.

UCLA is an Affirmative Actioin/Equal Opportunity Employer.

TOXICOLOGISTS RESEARCH ASSOCIATES and POSTDOCTORAL POSITIONS are available in the area of general toxicology. The candidate must have experience in animal chemistry and be able to perform practical experience. The salary is highly competitive and depends on previous experience in toxicology. Please send your resume to: Dr. J. H. Salari, Research Biologist Search Committee, Centre, University of British Columbia, 2660 Oak Street, Vancouver, B.C. V6H 3Z6, Canada.

RESEARCH SCIENTIST Research Scientist position available in Immunology to join a group studying the basis of immunity and molecular pathogenesis of Yersinia pestis, the causative agent of plague. The program is focused on the nature and characterization of protective immunity to plague and on new vaccine development. Experience in immunochemistry and molecular immunology, or cellular immunology is required. Interested applicants should send curriculum vitae, reprints of representative publications, and names of three references to: Dr. Arthur M. Friedlander, Chief, Bacteriology Division, U.S. Army Medical Research Institute of Infectious Diseases Fort Detrick, Frederick, MD 21702—5011 Telephone: (301) 619—7341. FAX: (301) 619—2893.

BIOLOGY POSITION Animal cell biologist/cell physiologist, vertebrate or invertebrate, to teach upper division courses in an area of specialty for majors, lower division courses in cell biol- ogy, and develop and teach majors or minors as an part of an important program of general studies. Candi- dates with expertise in general molecular biology and/or immunology to investigate basic problems of cell biology/cell physiology will be given special considera- tion. The department maintains an active research pro- gram that involves undergraduate students. As a part of that program, the candidate will be expected to seek per- sonal grants and to contribute to collaborative depart- mental site grants. Ph.D. required: rank commensurate with training and experience. Members of groups tradition- ally underrepresented in the sciences are especially encouraged to apply.

Pepperdine University is a Carnegie level 1, “national” private, Christian, liberal arts university under the control of a self—perpetuating Board of Regents and is located to the Churches of Christ. The Division is seeking candidates who are interested in teaching at the undergraduate level and maintain a Christian commitment “which celebrates and extends the spiritual and ethical ideals of the Christian faith.” Pepperdine University is an Equal Opportunity Employer and actively encourages women and minority applications. Applications will be reviewed until a suitable candidate is found, but should be received by February 1, 1993, to ensure consideration.

Mail curriculum vitae, names and addresses of three references to: Chair, Biology Search Committee, Nat- ural Science Division, Pepperdine University, 24255 Pacific Coast Highway, Malibu, CA 90265.

SENIOR RESEARCH CHEMIST: Design and implement development of in vivo rodent models of gastrointestinal transport including intraduodenal infusions, portal vein/mesenteric vein cannulation and bile duct cannulation. Ph.D. in pharmacology or related studies in dogs. Consul- t re absorption, distribution and metabolism of nutri- ents, particularly lipid vehicles. Evaluate concentration of drugs in specific regions of the body by HPLC and other techniques. Experience with HPLC and HPLC. Studies include bioavailability, mechanism of absorption, regulatory status of excipients and physi- cal/chemical stability of the candidate is dosage forms. Requirements: Ph.D. in nutrition and three years of experience as researcher with formal training and proven record of experimentation in areas of G.I. absorption, distribution and metabolism, and toxicology and toxicological background and techniques as applied to excipi- ents. Skill in vascular surgery in small animals and experience in critical care with HPLC and/or radioisotope techniques. Outstanding publication and presenta- tion background and excellent scholastic record. Fourty hours per week. Send resume and salary or current pay- utum vitae to: Philadelphia Job Bank, 444 North 3rd Street, 3rd Floor, Philadelphia, PA 19123, JOB # 4488474.
THE NATIONAL RESEARCH COUNCIL
ANNOUNCES
POSTDOCTORAL & SENIOR
RESEARCH ASSOCIATESHIP AWARDS

The awards sponsored by the National Research Council are available at the U.S. Army Institute of Dental Research. The mission of this program is to develop "ready-to-use" products which can be directly implanted at the wound site to induce bone regeneration in situ. The research opportunities include physiology and biochemistry of bone regeneration (which also includes studies of growth factors using bone cell cultures), purification and characterization of bone-inductive proteins and monoclonal antibodies, engineering of predictably degrading bone-regenerating systems, bio-degradable polymer chemistry and microencapsulation and time-release drug delivery systems. Doctoral degree in life sciences or biomedical sciences is required. Annual stipend for recent graduates is $32,400 and is appropriately higher for those with more than 5 years of experience. Support for relocation and funds for professional travel are available, and a health insurance program is offered. Awards are for 1 year with possible renewals to a total of 3.

For further information contact: Dr. Jeffrey Hollinger at (202) 576-3764 or Dr. Anshumali Chaudhari at (301) 621-0765 or (410) 677-2279

Their mailing address is: U.S. Army Institute of Dental Research
Walter Reed Army Medical Center
Washington, D.C. 20307-5300

FOR APPLICATION MATERIALS, WRITE TO:
Associateship Programs (GR 430/SDR)
NATIONAL RESEARCH COUNCIL
2101 Constitution Avenue, NW
Washington, D.C. 20418
FAX: (202) 334-2759

Applications must be submitted directly to the NRC by January 15 or April 15.

DNX Corporation, the established leader in the emerging field of transgenic sciences, has a unique career opportunity for a Research Associate in our Princeton, New Jersey research facility.

BIOTECHNOLOGY Research Associate

This position within our Xenografts group, will involve research in the emerging field of animal organ to human transplants. Requirements include a BS/MS with 2+ years experience in recombinant DNA technology, immunocytochemistry, immunoprecipitation and SDS-PAGE.

If you meet our qualifications and are interested in a challenging opportunity at an exciting and rapidly growing biotechnology company, please submit your resume including recent salary history and requirements to:

Director, Human Resources
DNX Corporation
303B College Road East
Princeton, NJ 08540

Equal Opportunity Employer

GET INTO OUR EXCITING GROWTH

ARCTURUS Pharmaceutical Corporation is a rapidly growing company focused on the development of novel therapeutic products for dermatology. We are seeking qualified, highly motivated people to assist in the development of fast-track products for the pharmaceutical industry.

Ph.D., Immunology

Design and implement experiments devised to evaluate the immunosuppressant activity and elucidate the mechanisms of action of novel compounds both in vitro and in vivo.

Ph.D., Dermatologic Drug Delivery

Design, coordinate and carry out experiments to optimize topical formulations utilizing in vitro diffusion cells and in vivo models to assess pharmacologic activity.

We offer competitive salaries and a comprehensive benefits package. Please send resume — with references — specifying position of interest, in confidence, to: Manager of Human Resources, Arcturus Pharmaceutical Corporation, 260 West Cummings Park, Woburn, MA 01801. An Equal Opportunity Employer.
POSITIONS OPEN

ANAEROBIC MICROBIOLOGIST. The Naval Dental Research Institute, Great Lakes, Illinois has a position available for a doctoral level microbologist. The position involves basic and applied research on the microbiota of the oral cavity. The successful candidate will possess experience in anaerobic microbiology, immunology, and immunodeficiency and monoclonal antibody development. Prior experience with large scale studies is highly desirable. Candidates should have a Ph.D., M.D., or equivalent and should have sufficient research experience to demonstrate the ability to establish an independent research program in this area within the pathogenesis of AIDS and related retroviruses in nonhuman primate models. The successful applicant will also participate in ongoing clinical, virological, and pathological studies with human or simian immunodeficiency viruses. The primary appointment will be at the Yerkes Primate Center, with a secondary, research-track appointment in the Department of Microbiology and Immunology. Salary is negotiable and commensurate with experience. The position is available immediately. Letters of application including curriculum vitae, a brief statement of research interests, and names of three references should be forwarded to: Dr. Harold McClure, Associate Director, Yerkes Primate Research Center, Emory University, Atlanta, GA 30322. Applications should be submitted by January 1, 1993. Emory University is an Equal Opportunity/Affirmative Action Employer and complies with the Americans with Disabilities Act of 1990.

VISION SCIENTIST

NEUROANATOMY/NEUROPHYSIOLOGY

The University of Missouri-St. Louis School of Optometry seeks a vision scientist to teach professional and graduate level neuroanatomy/neurophysiology, and possibly human anatomy/physiology, ocular anatomy/physiology. Active research and external support expected. Rank/salary/appointment date negotiable. Letter, resume, names of three references by February 1, 1993 to: Dr. Jerry L. Christensen, Dean, School of Optometry, University of Missouri-St. Louis, 8001 Natural Bridge Road, St. Louis, MO 63121. The University of Missouri is an Equal Opportunity/Affirmative Action Employer, and complies with the Americans with Disabilities Act of 1990.

GEOPHYSICAL INFORMATION SYSTEM MODELER

Participate in research on the effect of climate change and enhanced CO2 concentrations on forests through spatial analysis and modeling. Position requires: (1) an M.S./M.A. in geography, geology, physical geography, ecology, forestry (or related field) or equivalent degree and experience; (2) demonstrated leadership developing software in a team environment; (3) demonstrated experience with the following in a UNIX environment: GIS software (ERDAS, SPANS, PCI or GRASS), image processing and data display software (e.g. IPW, PV-WAVE, TECPlot), database management software (e.g. dBASE, Paradox); and (4) programming in C and Fortran. Please do not respond until you write or call for a complete position description which lists preferred qualifications and application procedures. Application packages must be received by December 31, 1992. Human Resources, ManTech Environmental, 1600 SW Western Boulevard, Corvallis, Oregon. Telephone: (503) 754-4666. Equal Opportunity Employer.

MOLECULAR BIOLOGIST

Neuroscience laboratory seeks molecular biologist for projects involving isolation and characterization of novel neurotransmitters and their receptors. Background/experience in molecular/cell biology (U.S. citizens and permanent residents desired). Please send curriculum vitae to: Donald J. Rei, M.D., Division of Neurobiology, Cornell University Medical Center, 411 East 69th Street—KB410, New York, NY 10021. Equal Opportunity/Affirmative Action Employer/M/F/H/V.

SENIOR RESEARCHER/NUTRITION AND HEALTH SPECIALIST. Salary: $50,000 per year. Work schedule: 8:00 a.m. to 5:00 p.m. Senior researcher will participate in analysis and evaluation of socioeconomic policies and interventions of health, food consumption and nutritional risk. Ability to lead teams of international experts in the field to discuss issues with government entities and U.S. government and international donors. Design of nutrition and food strategies for donor agencies. Design supplemental food programs and evaluate effectiveness of selected programs on groups of beneficiaries. Ability to determine distributional consequences of selected programs on various classes of countries. Must be fluent in Spanish and have experience working with the public sector (government) in developing countries. Must have training in international nutrition along with Master's degree in Public Health-Nutrition and five years of job-related experience. All applicants must send resume including Social Security Number, and Order Number NC 3021002 and DOT Code 096.121-014. Interested persons should apply to nearest Job Service office or by submitting a resume to: Job Service, 516 N. Mangum Street, Durham, NC 27701.

POSITIONS OPEN

IMMUNOLOGIST

The Division of Pathobiology and Immunobiology of the Yerkes Regional Primate Research Center, and the Department of Microbiology and Immunology, School of Medicine, Emory University have an opening for an immunologist with experience in retrovirus research. Candidates should have a Ph.D., M.D., or equivalent and should have sufficient research experience to demonstrate the ability to establish an independent research program in this area. Salary is negotiable and commensurate with experience. The position is available immediately. Letters of application along with curriculum vitae, a brief statement of research interests, and names of three references should be sent to: Dr. Harold McClure, Associate Director, Yerkes Primate Research Center, Emory University, Atlanta, GA 30322. Applications should be submitted by January 1, 1993. Emory University is an Equal Opportunity/Affirmative Action Employer.

The Biotechnology Patent Examining Group of the Patent and Trademark Office is currently recruiting scientists for positions as PATENT EXAMINERS. Individuals with advanced degrees and/or equivalent experience in the fields of immunology, molecular biology, gene therapy, plant genetics and plant breeding, biochemistry, protein engineering and microbiology are urged to send a resume or SF-171 to the following address:

Patent and Trademark Office
Office of Personnel
Box 171
Washington, DC 20231
ATTN: D. Dowell (180)

For further information, contact David L. Lacey at (703) 388-4134. U.S. CITIZENSHIP IS REQUIRED FOR EMPLOYMENT.

BILOGISTS

Northeast Missouri State University (NMSU) offers two tenure-track positions. One each in PHYSIOLOGY and DEVELOPMENTAL BIOLOGY. For details, see Science (30 Oct 1992, p. 853), or call: Dr. Mike Tannenbaum (618-785-4507), Science Division, NMSU, Kirksville, MO 63501. Applications accepted until positions filled.

ANNOUNCEMENTS

EARTH SYSTEMS SCIENCE FELLOWSHIPS UNIVERSITY OF NEW HAMPSHIRE

The Institute for the Study of Earth, Oceans and Space at the University of New Hampshire is seeking applicants for graduate fellowships in the areas of Earth Systems Science, with an emphasis on regional to global biogeochemistry. Successful candidates will have a strong undergraduate record in the natural sciences, a desire to apply their skills to the understanding of current environmental problems at the regional to global scale, and the ability to work as part of an integrated, interdisciplinary team. Individuals projects are available in such areas as trace gas fluxes between ecosystems and the atmosphere, global changes in land use, effects of atmospheric deposition on terrestrial ecosystems, and modeling of global hydrologic and carbon fluxes.

Fellowships are funded under an interdisciplinary science program supported by the National Aeronautics and Space Administration's Program: Mission to Planet Earth/The Earth Observing System. Applicants should send a letter of interest with a current transcript, curriculum vitae and two letters of recommendation to:

Professor John Aber
Complex Systems Center
Institute for the Study of Earth, Oceans, and Space
Morse Hall
University of New Hampshire
Durham, NH 03824

Circle No. 11 on Readers' Service Card

STOCKHOLM UNIVERSITY

Lund, Sweden

Institute of Biomedical Sciences

Position: Research Associate

Applicants are requested to submit an applications with a letter of application, curriculum vitae, a list of published works, and a research plan to the following address:

Proffessor Jan-Olof Gyllensten
Institute of Biomedical Sciences
Stockholm University
S-106 91, Stockholm, Sweden.

Circle No. 12 on Readers' Service Card

MARKETPLACE

Image Analysis System For Sale

Meridian ACAS™ 570 Interactive Laser Cytometer™ with air-cooled 100mW argon laser; Olympos fluorescent microscope. For further information, contact J.D. Payne at (713) 748-5114.

Circle No. 23 on Readers' Service Card

CUSTOM DESIGNED GENES

$25/BASE PAIR

DESIGNED, ASSEMBLED, CLONED & PURIFIED

*SEQUENCE GUARANTEED*

GENOYS

CALL 1-800-2345-DNA

Circle No. 2 on Readers' Service Card

CUSTOM DNA Synthesis

No Set-up Fee, Shipped in 24 hours.

KEYSTONE LABORATORIES,Inc

1-800-788-4 DNA

1-800-786-4 DNA Fax

Circle No. 22 on Readers' Service Card

GROWTH MEDIA IN CAPSULES

FOR BACTERIA & YEAST

More than 100 Molecular Biology Formulations In Stock.

Custom formulated to your specifications.

800-424-6101

FAX 619-596-0116

Circle No. 25 on Readers' Service Card

Custom DNA

Purified and Delivered in 48 hours.

$7.50 per base • Purified

Guaranteed minimum 100 μg DNA

Research Genetics

1-800-533-3463

Circle No. 14 on Readers' Service Card
We just removed the negatives from phosphor autoradiography.

INTRODUCING THE BAS 1000.

Contrary to popular belief, the best phosphor autoradiography technology doesn’t have to carry a six figure price tag.

That’s why we’re positive you’ll be surprised with the new Fuji BAS 1000 Bio-Imaging Analysis System.

We’ve put our patented phosphor technology into a desktop model for much less than you thought possible. With industry leading performance, the BAS 1000 will give you the capability to see more than ever before.

A CUT ABOVE.

Fuji’s unique Imaging Plate (IP) is 100 times more sensitive than x-ray film and will cut your exposure times to hours instead of weeks. With a linear dynamic range of 6 orders, multiple exposures are eliminated.

Best of all, you can finally get quantitatively accurate autoradiography on screen. Imagine doing away with liquid scintillation counting.

EXPOSE YOURSELF.

To arrange a demonstration using your samples, call Fuji Bio-Imaging today at 800-431-1850 (in CT 203-353-0300). Or write Fuji Medical Systems USA, Inc., PO. Box 120035, Stamford, CT 06912.

We’ll expose you to premium phosphor autoradiography for a lot less than you think.

POINT AND CLICK.

You might expect a fully automated system to be complex to operate, but the BAS 1000 has a simple to use graphical interface. If you can point and click a mouse, you can accurately quantitate, determine molecular weight, enhance contrast, magnify images and much more. With Fuji’s unique HG 2100 printer option you can even produce publication quality true gray scale or color prints and transparencies.

A new way of seeing things.
For CYTOKINE Research

The Broader Spectrum of Premium Quality Cytokines

The cytokine laboratories of R&D Systems provide the most extensive line of both natural and recombinant cytokines. Each protein carries the following assurances:

**Superior Quality**
Each cytokine is produced and extensively tested in the laboratories of R&D Systems, ensuring extremely high and consistent quality.

**Full Biological Activity**
The biological activity of each cytokine is determined by bioassay. A description of the appropriate bioassay and the typical ED_{50} range is included in each package insert.

**Highest Purity**
All are greater than 97% pure, as determined by N-terminal analysis as well as SDS-PAGE visualized by silver stain.

**Additional Reagents**
R&D Systems produces over 250 cytokine related reagents (e.g. neutralizing and detection antibodies, genes, probes, and cytokine ELISA assay kits) to provide investigators with a solid foundation on which to do cytokine research.

To obtain a catalog, detailed product information or to place an order call 1-800-343-7475.