Join the team at Allergan and become a part of some of today’s most innovative health care solutions. We are widely recognized as a global leader in the development, manufacture and marketing of pharmaceutical drugs for eye and skin care as well as neuromuscular disorders. We have allocated extensive resources to R&D efforts in five key areas: glaucoma, cataracts, neuromuscular disorders, contact lens care and receptor-selective retinoids. Our goal, as always, is to enhance the quality of life for people around the world while expanding our market presence.

As we continue to create quality products in a changing health care environment, our need for talented professionals grows. If you are interested in learning more on how Allergan is developing solutions for the health care needs of today and tomorrow, and how you may be a part of it, please contact: Allergan, Corporate Human Resources, Joyce Smith, 2525 Dupont Drive, T2-1B, Irvine, CA 92715. Equal Opportunity Employer.
At the Wadsworth Center, investigators engage in research at the intersection of science and public health. Collaborating across corridors and continents as well as disciplines, they examine all aspects of genetic and infectious disease, molecular medicine and, environmentally induced disorders. Supporting these multidisciplinary activities are extensive core facilities: DNA and peptide sequencing and synthesis, tissue banks, transgenics and an NIH-supported microscopy resource among them. With a staff of 800 that includes 170 doctoral level scientists, the Wadsworth Center is the most comprehensive public health laboratory in the country and a stimulating scientific community. Its program of basic and applied research, coupled with graduate education in biomedical and environmental sciences and a mission in public health, endows the center with vigor and vision.

A HISTORY OF EXCELLENCE

Founding director Dr. Augustus B. Wadsworth’s seminal volume, Standard Methods, used by public health laboratories throughout the world, set the institutional tone for excellence. This expectation, especially in the pioneering research he fostered, has yielded notable achievements over time: the isolation of cardiolipin, leading to an improved serological test for syphilis; the discovery of Nystatin, the first safe and effective antifungal; the discovery of Coxsackie virus; the development of methods to analyze and measure trace chemicals in the environment; the development of recombinant vaccinia virus as a vaccine vector; the discovery of introns in prokaryotes; and the development of SPIDER software, a modular image processing system.

A FOCUS ON THE FUTURE

Today, Wadsworth scientists are carrying this tradition of excellence into the future. The scope of their research interests spans genetic studies in organisms from prokaryotes to mammals; immunology; cell biology; oncology; structural biology using x-ray crystallography; NMR and mass spectrometry; environmental chemistry and toxicology; the molecular biology and pathogenesis of viral, bacterial, fungal and parasitic organisms; the origins of acid rain; and the neurotoxicity of PCBs.

Future emphasis will focus on human molecular genetics, including a defining role in public health issues such as the genetic risk and epidemiology of common inherited disorders; molecular epidemiology and immunological approaches to evaluating health effects of environmental toxicants; computational biology; molecular and cellular hematology; environmental microbiology; biomarkers for assessing environmental exposure; and molecular pathogenesis, particularly of HIV, tuberculosis and drug-resistant organisms.

Inquiries are welcome from junior, mid-career and senior scientists. Qualified staff are eligible for faculty appointment in the Departments of Biomedical Science and Environmental Health and Toxicology, University at Albany. Candidates should send a CV with references to:

Dr. Lawrence S. Sturman, Director
Wadsworth Center
New York State Department of Health
Albany, NY 12201-0509

The Wadsworth Center is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply.
Fellowships for Biological and Biomedical Sciences

The Howard Hughes Medical Institute announces the 1996 competitions for fellowship programs that support training in fundamental biological and biomedical research. Awards, based on international competitions, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at academic or nonprofit research institutions.

**Pre-doctoral Fellowships in Biological Sciences**

Up to five years of support for full-time graduate study toward a Ph.D. degree in biostatistics, cell biology and regulation, epidemiology, genetics, immunology, neuroscience, or structural biology. Applicants must not have completed the first year of post-baccalaureate graduate study in biology. *Application deadline: early November.*

**Postdoctoral Research Fellowships for Physicians**

Three years of support for training in fundamental research subsequent to at least two years of postgraduate clinical training and no more than two years of postdoctoral research training. *Application deadline: mid-December.*

**Research Training Fellowships for Medical Students**

An opportunity for medical students in the United States to explore a burgeoning interest in fundamental research. Support is awarded for one year of full-time fundamental research in a laboratory at the student’s medical school or another institution (except NIH in Bethesda, Maryland). *Application deadline: early December.*

**Research Scholars at the National Institutes of Health**

Under this joint HHMI–NIH program, medical students in the United States spend an intensive year in research in the intramural program at NIH in Bethesda, Maryland. Residence is provided at the Cloister on the NIH campus. *Application deadline: early January.*

**1996 Program Announcements and Applications**

*For Pre-doctoral Fellowships:*
Howard Hughes Fellowship Program  
The Fellowship Office  
National Research Council  
2101 Constitution Avenue  
Washington, DC 20418  
United States of America  
Telephone: (202) 334-2872  
Fax: (202) 334-3419  
E-mail: infofell@nas.edu

*For Other Programs:*
Howard Hughes Medical Institute  
Office of Grants and Special Programs  
Department AL96  
4000 Jones Bridge Road  
Chevy Chase MD 20815-6789  
United States of America  
Telephone: (301) 215-8889  
Fax: (301) 215-8888  
E-mail: fellows@hq.hhmi.org

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
Bats, Insects, and Ultrasound will explore the tactics and counter tactics of predator and prey -- how bats detect and recognize their insectan prey and how insects avoid being eaten. Organized by: William E. Conner, Wake Forest University

Molecules to Mudflats examines the ways animals adapt to and cope with the ecological, physiological and biochemical aspects of life in estuaries, including implications for managing and restoring these systems. Organized by: Peter L. deFur, Environmental Defense Fund

Aquatic Locomotion will present new approaches and data on aquatic locomotion in both invertebrates and vertebrates. Data on appendicular and axial propulsion will be presented in light of new theoretical advances. Organized by: George Lauder, University of California, Irvine, John Long, Vassar College

Phylogenetic Systematics, Biogeography, and Marine Biodiversity. The goal of this session is to identify and communicate general patterns of animal phylogeny and biogeography in the marine realm. Organized by: Lynne R. Parenti, Smithsonian Institution

Behavioral Toxicology: Mechanisms and Outcomes will examine links between toxicant-induced physiological changes and behavioral alterations, facilitating possible themes of behavioral changes due to environmental stress. Organized by: Daniel N. Weber, University of Wisconsin, Milwaukee

New Horizons in Barnacle Evolution will cover topics in molecular biology, ecology, physiology, ultrastructural morphology, and biogeography, breaking new ground in understanding. Organized by: Jens Hoeg, University of Copenhagen; and Frederick R. Schram, University of Amsterdam

Amphibian Metamorphosis: An Integrative Approach gathers researchers from diverse fields to address mechanisms regulating metamorphosis, examining how internal responses are regulated by environmental change and how these mechanisms have evolved. Organized by: Tyrone Hayes University of California, Berkeley

Control of Arterial Blood Gases: Ventilatory and Cardiovascular Perspectives integrates new studies in cellular and neuronal aspects with studies on ventilatory and cardiovascular control in intact and non-anesthetized animals. Organized by: Carl Reiber, University of Nevada, Las Vegas

Forces in Developmental Biology Research: Then and Now will focus on the evolution of current concepts in developmental biology research by juxtaposing historical roots of research with current concepts and models of research conducted on both invertebrate and vertebrate embryos. Organized by: Louise Luckenbill, Ohio University

Don't Miss These Other Exciting Symposia

Annual Meeting of the American Society of Zoologists With the American Microscopical Society and the Crustacean Society


Avian Biology sessions will cover a variety of topics including immunology, toxicology, behavior, endocrinology, ecology, functional morphology, developmental biology, growth physiology, growth factors, and ontogeny of sensory systems.

Society-Wide Symposium

Organized by: Mary A. Ottinger, University of Maryland
SHAMAN Pharmaceuticals is a growing company engaged in the discovery and development of novel plant-derived medicines for diabetes and virology. In June 1995, we signed an in-licensing agreement with Bayer AG of Germany for the development of the antifungal compound known as nikkomycin Z which we intend to study as a treatment for endemic mycoses. To support this program, we are seeking accomplished scientists for the following professional roles at our San Francisco Bay Area offices.

**SENIOR SCIENTIST, ANALYTICAL**

You will be charged with developing and validating new analytical methodologies in support of new products and raw materials and for characterizing impurities and degradation patterns of drug substances. A Ph.D. in chemistry and at least 5 years’ pharmaceutical analytical laboratory experience are required.

**SENIOR SCIENTIST/MANAGER, QUALITY CONTROL**

The candidate selected for this position will maintain core laboratory services to support manufacturing, process development and toxicology research, in addition to working with analytical, manufacturing and other groups to set up bioassays and assess appropriate methodologies for assuring product quality. Requirements: Ph.D. in chemistry or biochemistry (or related), 5+ years’ pharmaceutical experience, knowledge of bioassays and other biological methodologies, and familiarity with cGMP and GLP requirements.

**POSTDOCTORAL INVESTIGATOR (FELLOW), NATURAL PRODUCTS**

This position offers the opportunity to participate in a biosynthesis program. Your responsibilities will include fermentation set-up, culturing microorganisms, establishing fermentation conditions, isolation of metabolites and labeling experiments followed by purification. Ph.D. with 0-2 years’ experience in natural products research required, along with these hands-on skills: fermentation techniques, biological assays, chromatographic and spectroscopy procedures. Natural products, labeling studies and strong HPLC and analytical methods also required.

**POSTDOCTORAL INVESTIGATOR, ANTIFUNGAL DRUGS**

This position will be involved in evaluating the efficacy of antifungal drugs in animal models of mycoses, establishing or implementing existing models and evaluating combinations of antifungal compounds to improve efficacy over single-drug regimens. To qualify, you must have a Ph.D. completed within the last 3 years (or soon to be completed), in addition to experience in animal models of infectious diseases. Experience in mycotic models and knowledge of pharmacodynamics and statistics are desirable.

**MEDICINAL CHEMIST**

The qualified candidate will have an MS degree in synthetic organic chemistry with at least 2-4 years of experience in the design and synthesis of bioactive molecules. Responsibilities include small- and large-scale synthesis, purification, and characterization of compounds. HPLC experience and computer skills are required; pharmaceutical industry experience is a plus.

**FORMULATION SCIENTIST**

This scientist will carry out preformulation characterization and formulation development of solid dosage form of new drug substances, overseeing the development and scale-up of clinical supplies by contract labs. You will also develop analytical methods and techniques to monitor drug and dosage form stability and evaluate in vitro drug release. A Ph.D. or equivalent in pharmaceutics, industrial pharmacy, or physical pharmacy, and 3-5 years of industrial experience in the development of tablets, capsules, and semi-solid dosage forms are required, along with the ability to work independently and supervise associates.

**BIOANALYTICAL SCIENTIST**

This position in the PK/Metabolism group will work to determine the ADME of lead compounds. This will primarily involve developing and validating methods to isolate and quantify drugs and related metabolites in biological fluids. Additional responsibilities include data interpretation and technical writing for regulatory filing. This senior position requires a Ph.D. in bioanalytical chemistry, metabolism, or related field and 3-5 years’ relevant experience in the pharmaceutical industry, including strong hands-on experience in method development, HPLC/MS, GC/MS, RIA, ELISA and animal studies. You must also be able to work independently, supervise scientists, and oversee a lab unit.

**RESEARCH ASSISTANT, PK/METABOLISM**

The individual selected for this post will participate in studies to determine the pharmacokinetic parameters of lead compounds. Additional responsibilities include developing and validating methods to isolate and quantify drugs and related metabolites in biological fluids. Position requires a BS/MS in chemistry, biochemistry or a related science, and 2-6 years’ relevant experience, including method development, HPLC, animal handling and surgery, data interpretation and technical writing.

All positions demand creative, self-motivated individuals with strong oral and written communication skills, good interpersonal skills, and the desire to effectively participate in a multidisciplinary group environment. Qualified applicants are invited to respond, mentioning position of interest, to SHAMAN Pharmaceuticals, Inc., Attn: CARSCI, 213 E. Grand Ave., So. San Francisco, CA 94080-4812. We are committed to a diverse workforce/Equal Opportunity Employer.
PERSONNEL PLACEMENT


OSKOLCRA
OKLAHOMA MEDICAL RESEARCH FOUNDATION

POSITIONS OPEN

SCIENTIFIC FACULTY POSITION
Free Radical Biology and Aging Research

The Oklahoma Medical Research Foundation seeks an accomplished senior scientist with a good track record of research productivity in biomedical problems where reactive oxygen and nitrogen species, and oxidative injury, are considered important. Instrumental approaches using advanced methods in spin trapping and mass spectrometry are readily available. These techniques combined with molecular biological methods would be desirable in conducting research basic to biomedical problems such as, neurodegenerative diseases, ischemia/reperfusion injury, and septic shock. The individual will hold a position equivalent to ASSOCIATE PROFESSOR or PROFESSOR. Interested individuals should directly write to: Dr. Robert Floyd, Free Radical Biology and Aging, Oklahoma Medical Research Foundation, 825 N.E. 13th Street, Oklahoma City, OK 73104. An Equal Employment Opportunity/Affirmative Action Employer.

UNIVERSITY OF VIRGINIA
Center for Cell Signaling

The Center is seeking two outstanding individuals with a record of research productivity and grant support to complement existing areas that focus on protein kinases and phosphatases. This research center within the School of Medicine seeks to discover mechanisms of how external signals alter cellular phenotypes. It is located in new well-equipped buildings. Recruiting for a new faculty is supported in part by a grant from the Lucile P. Markey Charitable Trust. Senior academic appointments will be in the AS, ASSOCIATE or FULL PROFESSOR LEVEL are arranged with departments in the School of Medicine. Of particular interest is research in the areas of JAK/STAT signaling, nuclear import and export, receptor phosphatases and function, and CDKs and their inhibitors in cell cycle control. The University of Virginia provides an interactive scientific environment with a variety of core facilities, research centers and training programs, with particular strength in the area of signal transduction. Applications will be handled in confidence on a continuing basis starting November 1, 1995 with appointments to start July 1996. Please send a curriculum vitae, including publications and grant support for the past five years, to: Cell Signaling Search Committee, D. L. Bruettan, Chair, Box 3587, University of Virginia, Charlottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Applications from women and underrepresented minorities are especially encouraged.

B I O L O G I C A L  S C I E N C E S

Three Tenure-Track Positions

1) Plant Biology: Teaching responsibilities include an undergraduate course in Principles of Biology serving non-majors and upper level undergraduate/graduate (M.S.) courses in plant taxonomy and in biostatistics/experimental design. A research interest in plant biology is required. 2) Anatomy and Physiology: The major teaching responsibility is an undergraduate course in Anatomy and Physiology serving biology, nursing, and health science students. The candidate will develop an upper level undergraduate/graduate (M.S.) course in Histology and possibly Human Biology. 3) Ecosystem Ecology: The major teaching responsibility is an undergraduate course in Ecology serving biology and environmental science majors and possibly an upper level undergraduate/graduate course in Ecology. Close proximity to the Iron Mountain/Refuge, Ancient Pines, and Jack Mountains and Lake Ontario offers many research opportunities. Positions begin August 1996. Ph.D. and an ability to work with a culturally diverse student body are required. Candidates must be an active participant in a research program and establish a fundable research program in their field of interest. Applicants must submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Kelly, Assistant to the President, SUNY Brockport, Brockport, NY 14420 by November 10, 1995. Affirmative Action/Equal Opportunity Employer.

C E L L  A D H E S I O N  A N D  E X T R A C E L L U L A R  M A T R I X  B I O L O G Y

The Department of Cell Biology in the School of Medicine and Dentistry, with the Cell Adhesion and Matrix Research Center at the University of Alabama at Birmingham (UAB), invite applications for one full-time tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR LEVEL. Competitive applicants will have a Ph.D. degree or equivalent, postdoctoral experience, and a record of innovative research productivity. The Department is committed to working with the newly formed Center in strengthening the research base in all aspects of cell adhesion and matrix biology. The successful candidate will be expected to develop a strong, extra- murally funded research program, participate in student training, and contribute to departmental and Center responsibilities associated with graduate and professional training. The Department of Cell Biology and the Center of Excellence in Matrix Biology at UAB have an NIH-funded research and offers a highly attractive environment with state-of-the-art facilities. The appointee will be located in the Center and will have many colleagues with related research interests. Salaries and start-up funds are competitive and will be commensurate with the appointee’s qualifications. Applications, including the name of three persons who can recommend the candidate, complete curriculum vitae, and a summary of past accomplishments and of future research plans, should be sent by November 17, 1995 to: John R. Coulombe, Center of Excellence in Cell Adhesion and Matrix Biology, University of Alabama at Birmingham, Volker Hall 201C, Birmingham, AL 35294-0019. The University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer.
ATTENTION AGING NEUROSCIENTISTS!

ISO: Nation's premier funding agency for aging research seeks senior neuroscientist to lead program in neuroscience and neurology into the 21st century.

Public Health Service, National Institutes of Health, Bethesda, Maryland

A Senior Executive Service Vacancy

ASSOCIATE DIRECTOR
NEUROSCIENCE AND NEUROPSYCHOLOGY OF AGING PROGRAM
NATIONAL INSTITUTE ON AGING

THE POSITION: Associate Director for the Neuroscience and Neuropsychology of Aging (NNA) Program, National Institute on Aging (NIA), one of the world's largest and most comprehensive institutions in aging research. NIA conducts, fosters, and supports biomedical, social, and behavioral research and training pertaining to aging problems and the aging process. The Associate Director, NNA, serves as the principal advisor to the Director, NIA, on the neuroscience and neuropsychology of aging research programs; plans and directs extramural and collaborative research and training in the areas of neurobiology, immunology, immunohistochemistry, nucleoregulation, neuroendocrinology, and neuropsychology of aging, as well as Alzheimer's disease and related dementias relevant to aging.

THE CHALLENGE: Leadership in the overall scientific administration of an innovative research program in the field of neuroscience and neuropsychology of aging with a budget of $150 million. The NNA Program supports a broad spectrum of research and training aimed at a better understanding of age-related normal and pathological changes in the structure and function of the nervous system and how such changes affect behavior. The basic mission of the Program is to expand knowledge on the aging nervous system to allow improvement in the quality of life of older individuals. This mission includes basic and clinical studies of the nervous system, clinical trials of interventions of therapeutic modalities, and epidemiologic research to identify risk factors and to establish prevalence and incidence estimates of pathologic conditions. The Program also supports research relevant to those geriatric problems arising from psychiatric and neurologic disorders associated with aging. In addition, the NIA legislative mandate provides specific authority to support research on Alzheimer's disease, establish the Alzheimer's Disease Patient Registry program, conduct clinical trials for the treatment of Alzheimer's disease, and promote research on the etiology, treatment, and diagnosis of Alzheimer's disease.

THE IDEAL CANDIDATE: Demonstrated scientific leadership and management of a basic or clinical neuroscience or neuropsychology research program of national and international standing. M.D. or Ph.D. or comparable experience and training in one of the biological, behavioral, and/or biomedical sciences. Research experience in an area of neuroscience relevant to aging research is highly desirable.

SALARY RANGE: This is a Civil Service position in the Senior Executive Service (SES), with a salary ranging from an ES-1 to ES-6 level per annum (currently $97,991 to $122,040). Physicians may be eligible for an annual comparability allowance of up to $20,000. A recruitment bonus of up to 25 percent of base pay may be available to a non-federal candidate, subject to individual approval; a relocation bonus of up to 25 percent of base pay may be available to a permanent Federal employee who must relocate, subject to individual approval.

HOW TO APPLY: Applicants are required to submit a bibliography and either a curriculum vitae, Application for Federal Employment (SF-171), Optional Application for Federal Employment (OF-612), resume, or any other written format which addresses the requirements indicated in this announcement. Application materials must be sent to the following address:

NATIONAL INSTITUTE ON AGING
Building 31, Room 2C02
31 Center Drive MSC 2292
Bethesda, Maryland 20892-2292

ATTN: Christine Hartz

Applications must be postmarked by December 8, 1995 and received by close of business December 15, 1995.

All application forms are subject to the provisions of the Privacy Act and become the property of the DHHS.

For further information contact Ms. Christine Hartz in the NIA Personnel Office at (301) 496-5347.

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, physical or mental disability, age, sexual orientation, or membership or non-membership in an employee organization.

NIH is an Equal Opportunity Employer

Geron is the first biotechnology company to focus exclusively on the development of therapeutic agents for age-related diseases emerging from new advances in molecular and cellular gerontology. These diseases include atherosclerosis, senile dementia, age-related immune suppression, and cancer. Please join us in one of the following:

Research Associate — Protein Purification
The Protein Chemistry group works to understand the mechanisms involved in regulating cellular senescence. The qualified candidate must have a BS or equivalent along with 2+ years' laboratory experience in protein chemistry. Experience in protein purification and characterization, enzymatic assays, standard molecular biology techniques and handling of radioisotopes is required. Code: 001

Postdoctoral Position — Molecular Biology, Human Telomerase
Geron has recently cloned the RNA component of the human enzyme. This postdoctoral position will investigate the biochemistry and molecular biology of human telomerase (a ribonuclease protein whose activity is associated with immortalization and tumorgenesis). You will participate in ongoing efforts to define the interaction of the RNA and protein components, as well as identify and clone the remaining protein components of the enzyme. A thorough background in molecular techniques, including library screening and DNA sequencing is required. Experience with RNPs and RNA-protein interactions would be an asset. Code: 002

Our innovative research company offers a competitive salary, benefits and stock incentive program. Please send your resume, referencing position code of interest, to: Geron Corporation, Attn: Human Resources Dept., 200 Constitution Drive, Menlo Park, CA 94025. EOE.
**POSITIONS OPEN**

**ASSISTANT PROFESSORS**

**DEPARTMENT OF BIOLOGY**

**WILLIAMS COLLEGE**

The Biology Department invites applications for three anticipated tenure-track positions to begin July 1996 as follows:

- Developmental biologist able to teach courses at the introductory level in cellular or organismal biology and at the upper level in developmental biology.
- Plant molecular biologist able to teach courses at the introductory level in cellular and molecular biology and at the upper level in plant development and/or biochemistry.
- Physiologist able to teach courses at the introductory level in organismal biology and at the upper level in animal physiology.

Candidates must have a Ph.D. and postdoctoral experience and a strong commitment to undergraduate teaching and research. Successful candidates will be expected to establish independent research programs that will attract graduate students and that can attract external funding. Please send curriculum vitae, one-page statements of teaching and research interests, and three letters of recommendation. The search will continue until December 5, 1995.

**EUKARYOTIC/PROKARYOTIC CELL BIOLOGIST**

The Department of Biology, University of South Florida, invites applications for a full-time, non-tenure-track, tenure-eligible, ASSISTANT PROFESSOR, with research expertise in molecular and cellular biology. Applicants must have a Ph.D. in molecular and cellular biology and postdoctoral experience. The appointee will teach courses in microbiology and participate in research projects. Send curriculum vitae and three letters of recommendation to:

Dr. B. Meniuk, Chair
Department of Biology, University of South Florida
12th Floor, Tiedemann Hall
2940 W. Hull Road
Tampa, FL 33620-5100

**ENVIRONMENTAL SCIENTIST DIRECTOR**

Claremont McKenna College, a member of the Claremont cluster of colleges, seeks to hire a person at the ASSOCIATE or FULL PROFESSOR level to serve as director of the Roberts Environmental Center, an institute for research and undergraduate education in interdisciplinary approaches to environmental problems.

Applications are invited for this position. Please send a letter of application, curriculum vitae, and three letters of recommendation to:

Professor David H. Kunin, Chair
Department of Natural Sciences
Claremont McKenna College
Claremont, CA 91711-3236

Deadline: December 1, 1995.
**Signal Transduction Positions**

DNAx Research Institute, located near Stanford University, is recruiting for two Staff Scientist positions in the Department of Cellular Signaling. Candidates should hold either a Ph.D. and/or M.D. degree, have completed post-doctoral training and, preferably, a period as an independent investigator.

The Institute conducts research in a variety of areas of molecular and cellular biology with an emphasis on immunology, hemopoiesis and oncology. We invite applicants whose research interests could take advantage of these DNAx-established strengths. We are particularly interested in individuals with expertise in the following areas: Protein Phosphatases, Apoptosis, Cytokine-regulated signaling, or Calcium-dependent signaling. Applicants with closely related interests may apply.

The Department of Cellular Signaling presently comprises four research groups with a focus on signaling by membrane and cytoplasmic protein kinases, regulation of the cell cycle by cyclin-dependent kinases and regulation of cytokine gene expression. We are looking for creative individuals who can contribute innovative science to this productive research program and who would enjoy strong interactions with colleagues in other DNAx departments, namely, Immunology, Human Immunology and Molecular Biology.

Successful candidates will be expected to establish independent research programs in their area of interest and will have the opportunity to conduct basic research in the absence of teaching and grant writing responsibilities. DNAx scientists work in an academically styled environment complemented by a strong and international post-doctoral program.

Qualified applicants should send a *curriculum vitae*, the names of three references, and a one-page statement of research interests to: Human Resources Department, DNAx Research Institute, 901 California Avenue, Palo Alto, California 94304-1104. DNAx is an equal opportunity employer m/f/d/v.

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**NATIONAL INSTITUTES OF HEALTH**

**DIRECTOR, DIVISION OF RESEARCH GRANTS**

The National Institutes of Health (NIH) invites applications for the position of Director, Division of Research Grants (DRG). This is a Civil Service position in the Senior Executive Service (SES), with a salary ranging from ES-1 to ES-6 level per annum (currently $97,981 to $122,040, including a locality allowance). Physicists may be eligible for a comparability allowance of up to $20,000 per year. A recruitment bonus of up to 25% of base pay may be available to a non-Federal candidate selected for this position, subject to individual approval. A relocation bonus of up to 25% of base pay may be available to a permanent Federal employee who must relocate to accept this position, subject to individual approval. A one-year probationary period must be served by the individual selected if not currently in the career SES.

The incumbent serves as a principal advisor to the Director, NIH, and participates in discussions relative to the development of major policy decisions affecting the research grant and review program of the PHS; directs the search for qualified individuals to serve as members of initial review panels; participates in interagency discussions on the principal problems of Federal granting agencies, and meets with private research agencies to address shared issues relating to review; assures that effective administrative procedures are established so that program operations and obligations of government funds and other resources are rendered consistent with statutory and regulatory requirements and within limitations imposed; works closely with the Peer Review to assess broad policy issues related to the scientific review of research grants; provides leadership Oversight Groups in developing the scientific and administrative skills for Senior Research Administrators; and ensures smooth interface between program goals of Institutes and the Divisions review policies and procedures of the DRG.

The vacancy announcement with mandatory and desirable qualifications requirements can be obtained by calling (301) 496-1443. Applicants are required to submit a Bibliography, and either a Curriculum Vitae, Application for Federal Employment (SF-171), Optional Application for Federal Employment (OF-612), Resume, or any other written format which addresses the requirements indicated in this announcement, to the following address:

**NATIONAL INSTITUTES OF HEALTH**

Division of Senior Systems
6120 Executive Blvd, Ste 100
Rockville, Maryland 20852
Attention: Janice Balin

Applications must be postmarked no later than November 1, 1995

- Applicants with access to E-Mail may transmit their materials to the following E-Mail address: fwalker@helix.nih.gov
- Applicants with access to the Internet's World Wide Web may wish to browse the NIH Home Page, and may apply through the Web at the following URL: http://www.nih.gov/news/
- Application materials may be FAXed to (301) 402-6139 (Please limit FAXed materials to no more than 10 pages)

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, political affiliation, marital status, sexual orientation, handicapping condition, age or membership or non-membership in an employee organization.

NIH is an Equal Opportunity Employer.
UNIVERSITY OF OKLAHOMA
ASSISTANT PROFESSOR
RESEARCH FELLOW
Science and Public Policy Program

The Science and Public Policy (S&P) Program at the University of Oklahoma invites applications for the position of RESEARCH FELLOW at the assistant professor level. This is a tenure-track position with a joint appointment in a department appropriate to the candidate in the College of Arts and Sciences, Business, or Engineering. S&P is an interdisciplinary research unit in the Sarkeys Energy Center concerned with energy and environmental policy issues germane to public and corporate environmental management. Program fellows are expected to conduct research grants and awards from public and private sources. Responsibilities include: preparing research proposals for extramural funding, participating in the program’s policy research projects, teaching one course per year, and performing professional service. Candidates must have a Ph.D. at the time of appointment and a strong commitment for funded research in energy or environmental policy, with an academic background in an appropriate field of economics, engineering, politics, or geography. International experience is desirable. The position begins August 16, 1996; salary will be commensurate with qualifications. A letter of application; curriculum vitae; copies of representative publications (if available), names, addresses, and telephone numbers of three references; and copies of graduate transcripts should be sent to: Professor Mark Meo, Science and Public Policy Program, University of Oklahoma, 100 East Boyd Street, Room S202, Norman, OK 73019. Review of applications will begin January 15, 1996, and will continue until the position is filled. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.

WAYNE STATE UNIVERSITY
DEPARTMENT OF CHEMISTRY

WAYNE STATE UNIVERSITY

This is a full-time, tenure-track position in the area of organic chemistry, beginning September 1996, to continue expansion of the Department. This appointment is expected to be made at the ASSISTANT PROFESSOR level. Invitations for applications will be considered at this time. Candidates are expected to have a Ph.D. in organic chemistry and a strong record of research productivity. Applicants for positions at this level should have a strong commitment to research productivity. Applicants should have a Ph.D. and must be U.S. citizens or have permanent residency in the U.S. The search will continue until the position is filled. Wayne State University is an Equal Opportunity/Affirmative Action Employer and encourages applications from qualified women and minorities.

WORLDWIDE

The Department of Biology Sciences at the University of Pittsburgh anticipates making one full-time tenure-track faculty appointment in the area of microbiology, beginning September 1996, to continue expansion of the Department. This appointment is expected to be made at the ASSISTANT PROFESSOR level, but under exceptional circumstances experienced candidates with outstanding records will be considered for appointment at higher rank. Research interests in any area of microbiology will be considered, but applicants working in the areas of bacterial pathogenesis, or genetic regulation, or host-pathogen interactions are particularly encouraged to apply. The successful candidate must have a Ph.D. and be committed to teaching and research. The university expects the successful candidate to have a strong record of research productivity. Applications are invited from candidates with research interests in any area of mammalian biology. Individuals with a strong interest in genetic models of development or disease processes are especially encouraged to apply. The successful candidate will join another faculty member in utilizing our transgenic core facility. The successful candidate must have a Ph.D. and extensive postdoctoral experience and will be expected to establish an extramurally funded research program, train graduate students, and participate in undergraduate education. In order to ensure full consideration, applications must be received by December 8, 1995. Applicants should send a curriculum vitae along with a summary of research interests and goals, and arrange to have at least three letters of reference sent to:

Dr. Richard Willcocks
Genetics Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260

The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

FACULTY POSITION
MAMMALIAN GONADAL GENETICS

The CAROLINA RESEARCH COMPANY

The position of ASSISTANT PROFESSOR in the Department of Biological Sciences at the University of Pittsburgh anticipates making one full-time tenure-track faculty appointment in the area of genetics, beginning September 1996, to continue expansion of the Department. This appointment is expected to be made at the ASSISTANT PROFESSOR level, but under exceptional circumstances experienced candidates with outstanding records will be considered for appointment at higher rank. Research interests in any area of mammalian biology will be considered, but applicants working in the areas of bacterial pathogenesis, or genetic regulation, or host-pathogen interactions are particularly encouraged to apply. The successful candidate must have a Ph.D. and be committed to teaching and research. The university expects the successful candidate to have a strong record of research productivity. Applications are invited from candidates with research interests in any area of mammalian biology. Individuals with a strong interest in genetic models of development or disease processes are especially encouraged to apply. The successful candidate will join another faculty member in utilizing our transgenic core facility. The successful candidate must have a Ph.D. and extensive postdoctoral experience and will be expected to establish an extramurally funded research program, train graduate students, and participate in undergraduate education. In order to ensure full consideration, applications must be received by December 8, 1995. Applicants should send a curriculum vitae along with a summary of research interests and goals, and arrange to have at least three letters of reference sent to:

Dr. Richard Willcocks
Genetics Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260

The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

FACULTY POSITIONS
CELL AND MOLECULAR BIOLOGY

The University of Oklahoma invites applications for a tenure-track position in Plant Development at the ASSISTANT PROFESSOR level, starting July 1, 1996. The successful candidate should have a Ph.D. and, preferably, postdoctoral experience. We are particularly interested in candidates working on cellular, molecular, and genetic approaches to studying problems in plant developmental biology. Teaching responsibilities will include participation in undergraduate and graduate courses in plant development and in cellular and molecular biology. This position is integral to a new campus-wide Graduate Program in Developmental Biology. Applicants should submit a curriculum vitae and a statement of research and teaching interests and arrange for three letters of reference to be sent to: Dr. Nancy G. Dengler, Chair, Plant Development Program, Department of Botany, University of Toronto, 25 Willcocks Street, Toronto, Ontario, M5S 3B2 Canada (dengler@botany.utoronto.ca). This position is subject to budget approval. In accordance with Canadian immigration regulations, this advertisement is directed toward Canadian citizens and permanent residents. In accordance with its Employement Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples, and persons with disabilities.
**JSPS FELLOWSHIPS FOR BIOMEDICAL AND BEHAVIORAL RESEARCH IN JAPAN**

Through arrangements made with the Fogarty International Center of the National Institutes of Health (NIH), the Japan Society for the Promotion of Science (JSPS) is offering 30 fellowships for American researchers in the biomedical and behavioral sciences to pursue collaborative research in Japanese universities and other eligible institutions and laboratories. Funding is available for stays ranging from two weeks to twelve months. These fellowships are intended to enhance American-Japanese collaboration in biomedical and behavioral research by providing flexible opportunities for capable American scientists to work with colleagues in leading Japanese laboratories on substantive projects of mutual interest. Although intended primarily for postdoctoral level researchers, doctoral candidates and senior researchers may also apply. Fellows are expected to be recipients of NIH awards or to be substantially involved in NIH-supported research.

These fellowships are being offered as a pilot program at this time only. Because recipients must arrive in their host laboratories in Japan by March 31, 1996, interested persons should contact the Fogarty International Center immediately.

E-mail requests for a detailed program announcement and application instructions are welcome at: JSPS@NIH.GOV.

Persons who do not have e-mail or who would like more information on this program should contact:

Director, Division of International Relations  
Attn: JSPS Fellowships  
Fogarty International Center  
National Institutes of Health  
Building 31, Room B2C11  
31 Center Drive, MSC 2220  
Bethesda, Maryland 20892-2220  
telephone: 301-496-4784  
fax: 301-480-3414

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**Postdoctoral Research Associate**

The Jet Propulsion Laboratory in a federally-funded research and development center operated for NASA by the California Institute of Technology located in Pasadena, California.

Postdoctoral Research positions are now available for studies related to the application of ocean surface wind velocity measured by the NASA Scatterometer in large scale meteorology, oceanography and climate variability. The position is for one year with possibility of renewal. The successful candidate will assist Dr. W. Timothy Liu.

Applicants must have Ph.D. in atmospheric or oceanic sciences with a strong background or training in physics and applied mathematics.

Please send a curriculum vitae with a list of publications, a statement of research interest, and a list of persons who could serve as a professional reference to: Staffing, Dept. T43, Dr. W. Timothy Liu, Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Dr., M/S 300-323, Pasadena, CA 91109. EOE.

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**ENZYMOLOGIST**

Agouron Pharmaceuticals, Inc., a recognized pioneer and leader in the field of structure-based drug design, has an immediate opening for an experienced Ph.D. enzymologist in its Biophysics department.

The successful candidate will be part of an exciting multidisciplinary anticancer and antiviral drug discovery team. Responsibilities will include the kinetic characterization of protein targets and protein-ligand interactions as well as the development of novel enzymatic assays. Applicants should have a solid background in enzyme kinetics and protein chemistry. Senior level scientists are encouraged to apply.

We offer competitive salaries and benefits. Please send a detailed resume to: Human Resources, Dept. JV, Agouron Pharmaceuticals, Inc., 10350 N. Torrey Pines Road, La Jolla, CA 92037. EOE.
TWO TENURE-TRACK POSITIONS reopened—beginning fall 1996 at Assistant Professor:

**Microbiology**—Primary teaching responsibilities in microbial physiology. Preference given to applicants with research expertise using molecular techniques for studying microbial gene expression in areas such as antibiotics resistance and wound behavior. 

**Wetlands Plant Ecology**—Primary teaching responsibility in plant ecology. Preference given to applicants with research expertise in wetland restoration and understanding plant ecology and ability to teach undergraduate biostatistics and in plant biology courses.

Candidates must have a strong commitment to teaching at the undergraduate and M.S. levels and participate in introductory courses in an ethnically and culturally diverse campus community. Applicants are expected to show potential for developing and sustaining an independent, externally funded research program involving students. Research start-up funds are available. Ph.D. and a record of published research required. Postdoctoral experience preferred. Submit a letter of application, curriculum vitae, brief statement of research and teaching interests, and the names of four references. Women are encouraged to apply.

**FACULTY POSITION**

The Department of Chemistry at Florida State University is seeking applicants for the position of ASSISTANT PROFESSOR in biochemistry. The successful candidate will join the faculty of an expanding, internationally recognized Department of Chemistry and Biochemistry. The Department of Chemistry and Biochemistry is located in an active, interdisciplinary research environment.

The successful candidate is expected to have a Ph.D. or M.D., to develop a vigorous independent research program, and to teach graduate and professional students. The position offers support from an existing faculty, extensive scientific resources, and an excellent academic environment. Send curriculum vitae, selected reprints, statement of research interest and three letters of reference to: Dr. Peter B. Detwiler, Search Committee, Department of Chemistry and Biochemistry, Florida State University, Tallahassee, FL 32306-1020. Applications will be accepted until filled. Women are encouraged to apply.

**ASSOCIATE PROFESSOR**

The Department of Chemistry at Atlanta, Georgia is seeking an M.D., Ph.D., or equivalent degree to serve as Associate Professor with tenure. The successful candidate will be expected to maintain an active, externally funded research program and to contribute to the teaching mission of the Department.

Applicants should send curriculum vitae, research interests, and three letters of recommendation to: Dr. John Okita, Search Committee, Chemistry Department, Emory University, Atlanta, GA 30322. For further information, contact Dr. John Okita at 404-727-4844. Applications will be accepted until filled. Women are encouraged to apply.

**DIRECTOR OF THE CENTER FOR BIOPHYSICAL SCIENCE**

The Georgia Institute of Technology invites applications for the position of Director of the Center for Biophysical Science (CBS). The CBS, a National Science Foundation-supported center, is an interdisciplinary, interdepartmental research center that supports a multidisciplinary approach to the study of biological systems. The Director of the CBS will be responsible for the overall direction of the Center, including the recruitment and retention of faculty, the development of new research programs, the coordination of graduate education and research, and the administration of the Center's resources.

The Director of the CBS will be expected to have a strong track record of independent research and to have a proven ability to secure substantial funding. Additionally, the Director will be expected to have a strong commitment to the education of undergraduate and graduate students and to the promotion of diversity in the sciences. The Director will be expected to have a Ph.D. or equivalent degree in a relevant field and to have at least 10 years of experience in academic or research administration.

Applicants should send a curriculum vitae, a statement of professional goals, and a list of three references to: Dr. William M. Cavanagh, Search Committee, Center for Biophysical Science, Georgia Institute of Technology, Atlanta, GA 30332. Applications will be accepted until December 31, 1995. Women and minority candidates are encouraged to apply.
Dade International offers excellent salary and benefits as well as a dynamic, highly professional workplace. For immediate consideration, please call or fax your resume to: Loren LaCien, Dade International, 1717 Deerfield Road, Deerfield, Illinois 60015-0778, fax (708) 267-5408. An Equal Opportunity Employer M/F/D/V.
This page contains information about open positions at the University of Miami, including Assistant Professorships in various fields such as Molecular Biology, Evolutionary Biology, Physiological Psychology, and Toxicology. Each position description includes the required qualifications, the nature of the research, and the contact information for applications.
Are you at the forefront of science?

At Hewlett-Packard’s Bioscience Products Organization in Palo Alto, California, our investment in Research & Development is one of the highest among Fortune 500 companies. Currently, we are seeking creative, motivated professionals interested in expanding the boundaries of technology.

Molecular Biologist/Biochemist
This research position involves identification, isolation and analysis of nucleic acid target sequences to develop diagnostic assays for the detection of human diseases. You will participate in an aggressive, multidisciplinary effort directed toward the development of novel approaches and instrumentation for characterizing nucleic acids.

Requires a PhD in Molecular Biology or Biochemistry with 3+ years’ laboratory experience in nucleic acids research. A successful candidate will have “hands-on” experience in techniques used to isolate and purify nucleic acids from biological samples, mRNA analysis, nucleic acid amplification strategies, hybridization methods including Southern and Northern blots, point mutation screening methodologies, cDNA cloning and sequencing. Familiarity with gene databases, probe design and nonradioactive methods for the detection and analysis of RNA and DNA preferred. Ad #2466/33441

Nucleic Acid Biochemist/Project Leader
You will lead a team developing fluorescent dye labeled oligonucleotides for instrument-based characterization of nucleic acids. In addition, you will develop high yield, high fidelity enzymatic methods for the incorporation of modified nucleotides into oligonucleotides.

Requires a PhD in Biochemistry with at least 3 years’ experience in the following: enzymatic synthesis of RNA or DNA, PCR, nonradioactive methods for the detection and analysis of RNA and DNA, as well as experience in the molecular recognition involved in substrate binding to polymeric. This position additionally requires experience in the leadership of a research group. Preferred backgrounds include knowledge of gene databases, hybridization kinetics, techniques used to characterize diagnostic gene sequences, and the manipulation and characterization of chemically modified oligonucleotides. Ad #2466/33440

Bioanalytical Chemist, Project Lead
You will provide technical leadership of a research group which is responsible for the development of novel automated processes for the isolation of polynucleotides from biological clinical samples in a multidisciplinary team approach.

Requires a PhD in Chemistry or Biochemistry with a focus on nucleic acids, minimum of 3 years’ laboratory experience in extraction, isolation, purification and concentration of nucleic acids as well as extensive experience with research management and industrial product development. Experience with development of quantitative assays to determine reproducibility of sample preparation techniques and laboratory experience with HPLC, CE PAGE a must. In addition, experience in the following areas is desirable: nonradioactive methods for the detection of oligonucleotides, previous work with clinical samples, eukaryotic and prokaryotic culture techniques and nucleic acid amplification. Ad #2466/29335

Biophysical Nucleic Acid Chemist
An Experimental Physical Chemist is needed to develop quantitative models and experimental measurements for the efficiency of hybridization of nucleic acids. This position involves modeling, initiating laboratory research, and testing a variety of formats to achieve efficient hybridization of nucleic acids relevant to the area of probe diagnostics.

Requires a PhD in Chemistry or Biochemistry with experience working with DNA and RNA. In-depth knowledge of hybridization kinetics is a must. Knowledge and experience with RNA Biochemistry and DNA and RNA synthetic chemistry preferable. Ad #2466/38478

To apply for these Bioscience openings in Palo Alto, California, please send your resume to: Hewlett-Packard Company, Attn: Ad # (insert ad number of interest), 1266 Killer Road, MS1000-EE, Sunnyvale, CA 94086, e-mail: Elaine_Yamani@hp2200_desk@hp.com or World Wide Web homepage: http://www.jobs.hp.com

Hewlett-Packard Company is an equal opportunity employer dedicated to affirmative action and work force diversity.
MOLECULAR GENETICIST

A full-time position in either the academic or research track is available for 100% ASSISTANT/ASSOCIATE/FULL PROFESSOR or ASSISTANT/ASSOCIATE/FULL RESEARCH SCIENTIST rank is available at Kresge Hear- ing Research Laboratory in the Department of Otolaryngology, University of Michigan Medical School. Applicants should have a doctoral degree in Genetics, Molecular Biology or a related field and at least two years of postdoctoral experience. The successful candidate can have or develop a strong molecular genetics research program related to the auditory system (function, development, deafness and hearing loss). The successful candidate will join a multidisciplinary environment with rich collaborative opportunities in basic and clinical research. There will also be opportunities for teaching in the training of medical and medical students, residents in Otolaryngology and postdoctoral fellows. The successful candidate will be considered for a joint appointment in the Department of Human Genetics. Please send curriculum vitae, statement of research interests, and names of three references by February 15, 1996 to the chair of the search committee: Dr. Richard A. Altschuler, Kresge Hearing Research Institute, University of Michigan, 3406 Taubman, Ann Arbor, MI 48109-0506. A nondiscrimination/Affirmative Action/Equal Opportunity employer and encourages applications from females and minority candidates.

POSITIONS OPEN

UNIVERSITY OF MICHIGAN

DEPARTMENT OF CELL BIOLOGY

Applications are invited for a tenure-track faculty position at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level in the Department of Microbiology and Molecular Cell Biology, University of Michigan. The successful candidate will have demonstrated interest in areas of molecular cell biology that include but are not restricted to cell cycle and growth control, cell structure and gene expression, transcriptional and posttranscriptional mechanisms, gene regulation, signal transduction, cell differentiation, signal transduction, cell differentiation, and metabolism. The successful candidate will likely have or develop a strong molecular genetics research program related to the auditory system (function, development, deafness and hearing loss). The successful candidate will be considered for a joint appointment in the Department of Human Genetics. Please send curriculum vitae, statement of research interests, and names of three references by February 15, 1996 to the chair of the search committee: Dr. Richard A. Altschuler, Kresge Hearing Research Institute, University of Michigan, 3406 Taubman, Ann Arbor, MI 48109-0506. A nondiscrimination/Affirmative Action/Equal Opportunity employer and encourages applications from females and minority candidates.

BEHAVIORAL NEUROSCIENCE

The Department of Psychology at the University of Wisconsin-Milwaukee anticipates an opening in Behavioral Neuroscience beginning in the fall of 1996 pending budgetary approval. The appointment would be tenure-track at the Assistant Professor level. Qualified candidates should have a Ph.D. and significant postdoctoral research experience. Area of specialization is open but candidates with expertise in the area of the neurobiology of learning and memory or sensory physiology are particularly encouraged to apply. For most favorable consideration send complete curriculum vitae, statement of research interests, and three letters of recommendation before January 15, 1996 to: Dr. Fred J. Helmstetter, Behavioral Neuroscience Search Committee, Department of Psychology, University of Wisconsin-Milwaukee, Milwaukee, WI 53201. The University of Wisconsin-Milwaukee is an Equal Opportunity/Affirmative Action employer. Minority and women applicants are encouraged to apply.

ASSOCIATE/PROFESSOR

Co-Director of Retinal Pigment Epithelium/Retinal Transplant Program

Position available for transplant scientist to head a new research program focusing on transplantation of retinal pigment epithelium (RPE) and/or photoreceptors as a possibility for restoration of vision in the RPE and retina. Expertise in immunology desirable. Ph.D. scientist at or eligible for ASSOCIATE PROFESSOR level. Strong public relations and language skills encouraged. Must have or develop new project. Will be involved in ongoing experience in cell transplantation, including outside the visual system (dell cell, Parkinson's, etc.). M.D. Send inquiries to: Paul S. Later, M.D., Emory University, Department of Ophthalmology, 1327 Clifton Road, Atlanta, GA 30322. Emory University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

Baylor College of Medicine

The Department of Molecular Physiology and Biophysics has a tenure-track ASSISTANT PROFESSOR position immediately available. Candidates in areas of molecular cell biology, any one of the biological sciences and at least two years of postdoctoral training. The candidate should have a recent postdoctoral experience and a demonstrated ability to obtain research funding. Send complete curriculum vitae, a statement of research interests, and three letters of recommendation to: Chair, Recruiting Committee, Department of Molecular Physiology and Biophysics, Baylor College of Medicine, One Bay- lor Plaza, Houston, TX 77030. Closing date for application is May 1, 1996.

CURATOR, TECHNOLOGY PROGRAMS

Seeking a creative individual who has demonstrated interest in public education to develop, implement, and manage a major new exhibit theme area on technology; develop content for educational exhibits and materials that support these exhibits; and develop working relations- ships with public and private sectors of the technical commu- nity for technology exhibits and curricula. Excellent computer science, or a related scientific field and three years of experience in any of the following: teaching at the college or university level; exhibit and education program development; exhibit and educational technology education; or professional education. Strong interest in the public understanding of science, such as print or film media; and one year of experience in an administrative or supervisory capacity. $5,176 to $5,706 per month. Submit résumé and three letters of reference to: Ann M. Muscat, Ph.D., California Museum of Science and Industry, 700 State Drive, Los Angeles, CA 90037. Equal Opportunity Employer.

The Department of Anatomy of the University of Ark-ansas for Medical Sciences (UAMS), which has a strong emphasis on neuroscience, is seeking qualified applicants for a tenure-track position at the rank of ASSISTANT or ASSOCIATE PROFESSOR. Candidates for Associate Professor must have current research funding and have demonstrated research productivity. Responsibilities include development or continuation of independent re- search support; participation in medical and graduate school teaching; and training of pre- and postdoctoral students. Preferred research areas include interactions between the nervous system and the immune system or extracellular matrix in the CNS. Submit curriculum vitae (including a statement of research and teaching experience) and a list of three references to: Dr. S. A. Gilmore, Professor and Chairman, Department of Physiology and Biophysics, University of Medical Sciences, 4301 West Markham Street, Little Rock, AR 72205-7199. Telephone: 501-686-5198; FAX: 501-686-6382. UAMS is an Affirmative Action/Equal Oppor- tunity Employer.

POSITIONS OPEN

PLANT ECOLOGIST

The Ecology and Evolution Group of the 40 member Department of Biological Sciences at the University of Illinois at Chicago is recruiting a tenure-track ASSISTANT PROFESSOR to start in 1996-97. Applicants must have a Ph.D. and a strong commitment to teach effectively at the graduate and undergraduate levels, and be able to direct productive research and develop a funded research program. The research area is open but we are especially interested in areas of ecological physiology. Applications are due by October 15, 1995. Closing date: November 15, 1995. University of Illinois at Chicago is an Equal Opportunity/Affirmative Action Employer.

PROFESSOR AND CHAIRPERSON

DEPARTMENT OF ZOOLOGY

Oregon State University invites applications/nomina- tions of UIC applications to provide leadership to the Department of Zoology, in both teaching and re- search. This tenure 12 month position is funded at 1.0 FTE. Salary commensurate with qualifications and experi- ence. Appointment must have a doctoral degree in zoology, biology or a related discipline and several years' relevant experience at a senior level. Dedication to excellence in undergraduate and graduate education and demonstrated leadership in support of the principles of affirmative action are essential, as is experience in securing and administrating research funds. Other administrative experience is desirable. Send a letter of intent, and a cur- riculum vitae, including a list of publications, to: Dr. John L. Frye, Chair, Department of Microbiology, 220 Nash Hall, Oregon State University, Corvallis, OR 97331-5804. Telephone: 503-737-1834, FAX: 503- 737-0496, Email: chair@blackscream.oregonstate.edu. Review of files will begin December 1, 1995. OSU is an Affirmative Action/Equal Employment Opportunity Employer and has a policy of hiring responsive to dual-career needs.

FACULTY POSITIONS

University of Illinois at Chicago (UIC)

The Physics Department UIC is planning to fill two faculty openings in the areas of Biophysics, Condensate Matter Physics, and Experimental High Energy Physics. Applications should submit a curriculum vitae, brief state- ment of research interests, and three letters of referen- dation to: Prof. R. Betts, UIC Physics (M/C 273), 845 West Taylor Street, Room 2236 SES, Chicago, IL 60607. Application deadline: November 15, 1995. UIC is an Affirmative Action/Equal Employment Opportunity Employer.

Molecular Biologist

Invertebrate Zoologist. The Department of Biology at Illinois Wesleyan University has a tenure-track opening at the ASSISTANT PROFESSOR level in the area of invertebrate zoology. The candidate should have a Ph.D., a broad back- ground in biology, and a strong commitment to under- graduate teaching responsibilities. Responsibilities include teaching invertebrate zoology (introductory course and upper-level seminar), the invertebrate lectures of the general biology course (six lectures), two general biology labs each semes- ter, and a general education course. Teaching load is 24 contact hours per week. Facilities are housed in a new $25 million science facility which opened in August 1996. Applicants should submit a letter of application, curricu- lum vitae, transcripts, a one page statement of teaching philosophy (including comments on teaching effectiveness) to: Dr. Bruce B. Greyle, Chair, Biology Department, Illinois Wesleyan University, Bloomington, IL 61702-7090. Applications will be considered beginning November 1, 1995 and continue until the position is filled. An Equal Opportunity Employer; women and minorities are encouraged to apply.
At Sandoz Research Institute in East Hanover, New Jersey, nearly 1000 scientists and R&D staff members, collaborating with colleagues from around the world, pursue one fundamental quest: to discover and develop innovative medicines that will significantly improve the quality of health care. Innovative research at Sandoz has been enhancing medicine around the world for over a century. Pioneering drugs have extended and improved the quality of life for countless individuals and revolutionized basic scientific concepts within the transplantation and mental health fields. In our East Hanover Laboratories, scientists in Preclinical Research are making exciting discoveries in the fields of Metabolic Diseases and Oncology. In order to support these activities, the following positions are now available.

FELLOW - ANGIogenesis

The successful candidate will be responsible for the development of in vivo models of angiogenesis and metastasis as part of a large preclinical oncology research program. Responsibilities will include the testing of agents in these models to identify novel inhibitors of tumor angiogenesis. The candidate will also be responsible for performing pharmacological analyses and studies to characterize the selectivity and mechanism of action of these agents.

Candidates should have a Ph.D. with at least seven years of relevant experience in the areas of tumor biology, tumor angiogenesis and in vivo modeling in cancer. Extensive knowledge of tumor physiology and cancer pharmacology is also required and hands-on experience with a variety of in vivo tumor models and immunohistochemical techniques would be an advantage. Candidates should also have significant experience in the area of preclinical drug development. (Position #3447)

SANDOZ

bringing research to life

POSTDOCTORAL FELLOW COMBINATORIAL CHEMISTRY - ASSAY METHODS DEVELOPMENT

This position in our Combinatorial Chemistry Group offers a unique opportunity to a creative individual to utilize multidisciplinary skills to develop novel methods for assaying combinatorial compound collections for biological activity. A Ph.D. or equivalent in a relevant chemical or biological science with experience in biological assay development is preferred. Practical experience with various biochemical, chromatographic and spectrophotometric techniques are highly desirable. These may include, but are not limited to: protein purification, conjugation and analysis, enzyme assays, immunocassays, low and high pressure liquid chromatographies and mass spectrometry. Experience working with whole cells and knowledge of receptor chemistry would also be desirable. Previous experience in the field of combinatorial chemistry would be advantageous but is not required. (Position #PD-037)

Postdoctoral appointments are for one year but are renewable for a second year by mutual agreement. Sandoz Research Institute provides scientists with an environment that encourages creative thinking and ample opportunities for publication and research presentations.

Sandoz offers comprehensive health, dental and savings plans as well as an attractive location in northern New Jersey. For consideration, please specify the number of the position you are responding to and forward your curriculum vitae and the names and addresses of three references to the address below.

SANDOZ PHARMACEUTICALS CORP

Staffing Department
Building 122/3
East Hanover, NJ 07936-1080
An Equal Opportunity Employer M/F/D/V

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**Genetic Analysis Scientist**

LI-COR, a growing company that has produced automated systems for biological and environmental sciences for 25 years, has an opening for an Applications Scientist in the Molecular Biology Group.

The Applications Scientist will develop new products and applications for genotyping, write technical publications, and participate in the technical support process. This individual will play a key role in setting directions for product development in genetic analysis.

The successful candidate will have a Ph.D. in molecular genetics or a related discipline with at least 2-3 years experience in mapping of disease genes and genotyping of a variety of loci through the use of STR, RFLP, VNTR, and related genotyping methods. Familiarity with basic molecular biology techniques, including DNA sequencing, PCR, hybridization, non-isotopic detection and a working knowledge of genotyping and DNA analysis software is also required. Post-doctoral experience and/or industrial experience is desirable.

LI-COR offers competitive salaries and benefits. For consideration, submit your C.V. or resume to the Human Resources Dept., LI-COR, Inc., 4421 Superior Street, Lincoln, NE 68504. EOE.

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**Biogen**

**OUR EXPANDING UNIVERSE**

Earlier this year, clinical research was completed on our lead proprietary biologic, a treatment for multiple sclerosis. We recently filed a Product License Application with the U.S. Food and Drug Administration seeking market approval for the product. We owe our success thus far to the hard work and dedication of our staff. Now, as we prepare to commercialize our first proprietary product, we seek talented individuals with strong values and a high level of commitment in a wide variety of areas to aid in our continued success.

**Director – Biological Sciences**

We are currently seeking a proven scientific leader to direct our efforts in the areas of molecular biology/molecular genetics. In this role, you will oversee the work of approximately forty talented individuals focused in the areas of growth regulation, viruses, gene therapy and vascular biology. The successful candidate will hold a Ph.D. in Molecular Biology and have a minimum of ten years' experience in project and/or line management. He/she will have a distinguished record of scientific achievement, a strong publication history, and will be well-versed in the use of molecular techniques. Industry experience is desirable, but not required.

Biogen offers what few companies in our industry can offer: Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including: equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to the address below. For more information about opportunities at Biogen, find us on the World Wide Web at CareerMosaic: http://www.careermosaic.com

Biogen, Inc., Dept. JT, 14 Cambridge Center, Cambridge, MA 02142, FAX: (617) 679-3595

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**Biogen**

Biogen is an Equal Opportunity Employer.
ASSISTANT PROFESSOR

TENURE-TRACK

Georgetown University School of Medicine
Department of Pharmacology

The Department of Pharmacology at Georgetown University School of Medicine seeks a tenure-track position at the level of ASSISTANT PROFESSOR. A strong preference will be given to individuals with knowledge of and/or training in pharmacology and a research program oriented toward molecular and cellular approaches to signal transduction. Candidates should forward their curriculum vitae, a summary of research interests with an indication of future research directions, and arrange for three letters of recommendation to be sent to: Dr. Barry B. Wolfe, Chair, Department of Pharmacology, Georgetown University School of Medicine, 3900 Reservoir Road NW, Washington, DC 20007. Georgetown University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE/ASSOCIATE PROFESSOR

CELL/DEVELOPMENTAL BIOLOGY

The Department of Anatomy at the Louisiana State University Medical Center-New Orleans seeks to identify a TENURE-TRACK ASSOCIATE/ASSOCIATE PROFESSOR level scientist in the area of cell or developmental biology. The successful candidate will be expected to establish an active, externally funded research program, preferably in the area of cell or developmental biology. A Ph.D. degree in a relevant biological field is required. Responsibilities include teaching at the undergraduate, graduate, and medical student levels. Applicants should send a curriculum vitae, statement of research interests, and three letters of reference to: Dr. B.T. Wolfe, Department of Anatomy, LSU Medical Center-New Orleans, LA 70112. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITIONS

Center for Human Retrovirology

The newly created Center for Human Retrovirology, an interdepartmental program, invites applications for a tenure-track position at the ASSISTANT, ASSOCIATE, and/or FULL PROFESSOR levels. This Center seeks to expand the University’s strengths in the study of human molecular therapeutics to combat HIV infections. Applicants should have a Ph.D. and/or M.D. and a strong background, with an established program in retrovirology. Significant laboratory space and competitive funds are available for outstanding candidates. Interested individuals should send a curriculum vitae with a summary of their research programs to: Roger J. Pomerantz, M.D., Professor of Medicine, Director, Center for Human Retrovirology (CHR), Thomas Jefferson University, 1020 Locust Street, Suite 329, Jeff Alumni Hall Philadelphia, PA 19107

ASSISTANT PROFESSOR

TENURE-TRACK

MOLECULAR BIOLOGIST

ASSISTANT PROFESSOR to teach cell biology, other courses at one of the nation’s leading small colleges—ca. 140 biology majors, high national rankings, substantial endowed resources, and a cutting-edge research-based environment. Teaching duties include cell biology, cell culture, and graduate student advising. Must have Ph.D. and strong commitment to excellence in teaching and research and potential for fundable research program. Postdoctoral experience is a plus. Located in a major regional health center, research associations with the nearby LSU Medical Center are encouraged. Many students are employed in LSU/UMC labs, and the research rate in the college/graduate school is exceptionally high. Submit curriculum vitae, transcripts, teaching philosophy, research plan, three letters of recommendation to: Dr. R. Esler, Beckman Institute, Physical Sciences, Shreveport, LA 71134. Email: rmcphers@beta.centenary.edu. Review of applications begins immediately and continue until position filled. An Affirmative Action/Equal Opportunity Employer.

TENURE-TRACK

MOLECULAR BIOLOGIST

ASSISTANT PROFESSOR to teach cell biology, other courses at one of the nation’s leading small colleges—ca. 140 biology majors, high national rankings, substantial endowed resources, and a cutting-edge research-based environment. Teaching duties include cell biology, cell culture, and graduate student advising. Must have Ph.D. and strong commitment to excellence in teaching and research and potential for fundable research program. Postdoctoral experience is a plus. Located in a major regional health center, research associations with the nearby LSU Medical Center are encouraged. Many students are employed in LSU/UMC labs, and the research rate in the college/graduate school is exceptionally high. Submit curriculum vitae, transcripts, teaching philosophy, research plan, three letters of recommendation to: Dr. R. Esler, Beckman Institute, Physical Sciences, Shreveport, LA 71134. Email: rmcphers@beta.centenary.edu. Review of applications begins immediately and continue until position filled. An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION

DEPARTMENT OF BIOCHEMISTRY

Stanford University School of Medicine

Applications or nominations are invited for a faculty position in the Department of Biochemistry at the level of ASSISTANT PROFESSOR. Applicants should have an established record of excellence in original research and in teaching. Candidates should submit a curriculum vitae including a list of publications, a description of their research interests, and three names and telephone numbers of three references to: Search Committee Chairman, Department of Biochemistry, Beckman Center, Stanford University School of Medicine, 382 Via Ortega, Stanford, CA 94305. Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from these groups.

FACULTY POSITION

DEPARTMENT OF BIOCHEMISTRY

Stanford University School of Medicine

Applications or nominations are invited for a faculty position in the Department of Biochemistry at the level of ASSISTANT PROFESSOR. Applicants should have an established record of excellence in original research and in teaching. Candidates should submit a curriculum vitae including a list of publications, a description of their research interests, and three names and telephone numbers of three references to: Search Committee Chairman, Department of Biochemistry, Beckman Center, Stanford University School of Medicine, 382 Via Ortega, Stanford, CA 94305. Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from these groups.

PROFESSORSHIP

Industrial Environmental Management

Yale University

The Yale University School of Forestry and Environmental Studies seeks to appoint a tenured PROFESSOR of Industrial Environmental Management. The individual will be expected to conduct a research program and a teaching program in the general area of pollution management. A doctoral degree and experience consistent with a senior appointment are required. We are looking for an individual with training in a related field such as management science, risk analysis, engineering, economics, psychology, health, and environmental science.

Please send curriculum vitae, statement of research and teaching interests, the names and addresses of three references, and selected samples of academic or professional work to: Professor Robert Mendelsohn, Chair of IEM Search, Yale FES, 360 Prospect Street, New Haven, CT 06511. Deadline for receipt of applications is November 15, 1995 or until suitable candidates are found. The position will be available as early as September 1, 1996. For further information, contact Professor Michael L. Kligler, Department of Earth and Environmental Sciences, 215-923-1956. Yale University is an Equal Employment/Affirmative Action Employer. Women and minorities are encouraged to apply.

The Center for Human Nutrition at the University of Colorado Health Sciences Center invites applications for a molecular biologist at the ASSISTANT or ASSOCIATE PROFESSOR level. Successful candidates will be expected to establish an independent research program that is related to nutrition, diet the Molecular Biology Core Laboratory, the Clinical Nutrition Research Unit, and participate in center activities. Applicants should submit a curriculum vitae, up to three relevant publications, and a statement of research interests, goals, and three letters of reference by November 30, 1995. Mail to: Michael J. Pagliassotti, University of Colorado Health Sciences Center, 4200 East Ninth Avenue, C222, Denver, CO 80262. The University of Colorado is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR

Department of National Science, Loyola University Chicago, invites applications to fill a tenure-track position for fall 1996. Applicants must have a Ph.D., a well-defined interest in teaching non-science majors, and a strong commitment to excellence in teaching at the undergraduate level. Successful candidates will be expected to establish an active research program, preferably in Environmental Science. Applicants with excellent teaching credentials and a record of publication in research in environmental science will also be considered. Teaching responsibilities include courses in Environmental Science and other core curriculum courses appropriate to the applicant’s expertise. Send curriculum vitae, statement of research interests, and names, addresses, and telephone numbers of three references by December 31, 1995 to: Dr. John R. Baskin, Department of National Science, Loyola University Chicago, 6525 North Sheridan Road, Chicago, IL 60626. Loyola University Chicago is an Equal Opportunity/Equal Access Employer.

Announcement FACULTY POSITION OPENINGS

ASST. PROFESSOR (R&B) & ASSOCIATE PROFESSOR (LAB & AD) IN PHYSICS

Yale University

Yale University seeks well-qualified candidates at the assistant professor level for the positions of Assistant Professor and Associate Professor in the Department of Physics, with a specialty in low energy particle and nuclear physics. Candidates should have a Ph.D. in physics and a strong commitment to excellence in teaching at the undergraduate level. Teaching is the primary focus of the position, and research experience in the areas of experimental and theoretical physics is desired. A strong teaching and research background is required. Applicants should have a strong commitment to the educational mission of the University. Applicants at the assistant professor level should have completed an outstanding Ph.D. dissertation and have carried out postdoctoral research in the area of particle and nuclear physics. Applicants at the associate professor level should have an established research record and be actively involved in research at the forefront of their field. They should have demonstrated a strong commitment to excellence in teaching at the undergraduate level. The Department of Physics at Yale University is an Equal Opportunity/Affirmative Action employer. Women and minorities are especially encouraged to apply.
The position is available for a recently qualified Ph.D. to join a research group focusing on the modulation of gene expression by ribozymes in tumor cells. Studies will involve the design and application of viral constructs containing both antisense DNA and ribozymes targeted towards unique tumor-specific transcripts. A strong background in mammalian cell culture and molecular biology with experience in either adenoviral or retroviral vectors would be advantageous.

Send c.v. and names of three references to:

Dr. Philip Potter
Department of Molecular Pharmacology
St. Jude Children's Research Hospital
332 N. Lauderdale
Memphis, TN 38105

An equal opportunity/affirmative action employer.
PROFESSOR OF BIOCHEMISTRY, Biological Sciences, University of Denver.

Applications are invited for a tenure-track position at the ASSISTANT PROFESSOR level to begin September 1, 1996. The successful candidate will be expected to have postdoctoral experience, develop a funded research program, and direct graduate students at the M.S. and Ph.D. level. Teaching responsibilities will include an upper-division course in molecular genetics, a molecular biology laboratory, and other courses dependent on research interests but consistent with conducting a strong research program and maintaining a strong interest in undergraduate education. Submit curriculum vitae, recent publications, three letters of reference, statements of teaching and research philosophy, and a statement of research interests to: Dr. Aweforok A. Masisi, Department of Biology, University of Denver, P.O. Box 1133, Denver, CO 80208-0113. The University of Denver is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

Molecular Genetist

The Department of Biology invites applications for a tenure-track position as an ASSISTANT PROFESSOR, with appointment to begin Fall 1997. The ideal candidate will have a Ph.D. in molecular biology or a closely related field. Teaching responsibilities will include upper-division courses in molecular biology and immunology, and laboratory courses in molecular biology and immunology. Applicants should submit a curriculum vitae, statement of research and teaching interests, and three letters of recommendation to: Dr. F. M. R. Anderson, Department of Biology, College of Science, Eastern Washington University, Cheney, WA 99004. Applications will be accepted until the position is filled. Women and minorities are encouraged to apply.

DEVELOPMENTAL GENETICIST

The Faculty of Biological Sciences, University of Tulsa, invites applications for the position of ASSISTANT PROFESSOR and Developmental Genetics. Outstanding candidates from all areas of developmental genetics will be considered. The University of Tulsa is a comprehensive, private university that emphasizes excellence in teaching and research. The Faculty of Biological Sciences currently consists of 14 members with diverse research interests and offers B.S., M.S., and Ph.D. degrees. Salary and start-up funds will be competitive. The candidate will have a Ph.D., a commitment to excellence in graduate and undergraduate education, post-doctoral experience, and a publication record indicative of the ability to establish an independent, externally-funded research program. Teaching responsibilities will include the development of a graduate course in molecular genetics with an area of specialization in developmental biology. Candidates should submit a curriculum vitae, statement of teaching and research interests, recent publications, and arrange for three letters of reference to: Search Committee, Faculty of Biological Sciences, The University of Tulsa, 600 South College Avenue, Tulsa, OK 74104-3189. Review of applications will begin December 1, 1995, and continue until the position is filled. The University of Tulsa is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

University of Pennsylvania School of Medicine

Department of Biochemistry and Biophysics

The Department of Biochemistry and Biophysics at the University of Pennsylvania School of Medicine invites applications for outstanding candidates for full-time faculty appointments. The search will focus on individuals with research interests in molecular biology and strong backgrounds in biochemistry, chemistry, or physics. Candidates should forward their curriculum vitae, a summary of research interests, and arrange for three letters of recommendation to: Ms. Ruth Keris, Staff Assistant, Department of Biochemistry and Biophysics, University of Pennsylvania School of Medicine, Philadelphia, PA 19104-6059.

The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer and encourages applications from minorities and women.
Major Opportunities in Biomedical Research at the Mount Sinai School of Medicine

The Mount Sinai School of Medicine, with the completion of its new East Building next year, will effectively double its space dedicated to biomedical research and education. New research initiatives will complement and expand the existing research programs in cancer research, cardiovascular sciences, developmental biology, human genetics and gene therapy, immunobiology, molecular genetics, neurobiology of aging, signal transduction, structural biology and systems physiology.

To support these initiatives, Mount Sinai is recruiting 75 new tenure-track faculty members for the Departments and Centers of the Medical School. Research groups organized around the areas of interest will include faculty at the ranks of Professor, Associate Professor and Assistant Professor. New faculty members will be expected to develop highly meritorious, independent research programs and to participate in the training of Ph.D., M.D. and M.D./Ph.D. students, and post-doctoral fellows.

Nominations and applications of the highest quality may be sent to: Dr. Nathan G. Kase, Dean, Mount Sinai School of Medicine, One Gustave L. Levy Place, Box 1096, New York, NY 10029. Please send your curriculum vitae, bibliography, statement of research interests and three references. For additional information, please call (212) 241-7335. Mount Sinai is an equal opportunity/affirmative action 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 molecular and behavioral pharmacology of substance abuse; the neuroendocrine consequences of cocaine, heroin 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 research program emphasizes analysis of the antecedents 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 vitae, 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: 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 AA/EEO employer and is committed to diversity in the workplace.

FAIRFIELD UNIVERSITY

BILOGY

Two Assistant Professors. Tenure track positions starting September 1996. Candidates with Ph.D. and a strong commitment to undergraduate teaching and research are encouraged to apply. Start-up monies are available.

Microbiologist/Molecular Biologist

Teaching responsibilities include lecture/laboratory courses in microbiology for biology and nursing majors and an upper division molecular laboratory course. Participation in the introductory biology course and in grant-writing initiatives is expected.

Molecular Developmental Biologist

Teaching responsibilities include lecture/laboratory courses in genetics and developmental biology for biology majors and the development of an upper division elective course. Participation in the introductory biology course and in grant-writing initiatives are expected.

Fairfield University, the Jesuit University of Southern New England, is located in Fairfield, Connecticut and enjoys a beautiful 200-acre campus in the suburban town of Fairfield within easy access to New York, New Haven and Boston.

Send a letter of application, curriculum vitae, a statement of teaching and research goals (both personal and undergraduate-oriented), selected reprints, and three letters of references to: Search Committee Chair, Biology Department, Fairfield University, Fairfield, CT 06430.

Deadline is November 1, 1995.

Women and minorities are encouraged to apply.

Fairfield University is an Affirmative Action /Equal Opportunity Employer.
FACULTY POSITIONS
YALE UNIVERSITY
Department of Molecular Biophysics and Biochemistry

The Department of Molecular Biophysics and Biochemistry invites applications for positions at all ranks, with a possibility of a senior level. Our department, which is located at both the Faculty of Arts and Sciences and the School of Medicine of the University, spans a broad range of areas including physical, chemical, and biological chemistry, biophysics, biology, molecular biology, and molecular genetics. Applications should include a curriculum vitae, a statement of research interests, three letters of reference, and reprints or preprints. Completed applications should be sent to: Faculty Search Committee, Department of Molecular Biophysics and Biochemistry, Yale University, 260 Whitney Avenue, P.O. Box 208114, New Haven, CT 06520-8114. Telephone: 203-432-5593. Application Deadline: December 1, 1995.

University of California, Irvine, FACULTY POSITION in Atmospheric Chemistry. The Department of Chemistry invites applications for a tenure-track position as ASSISTANT PROFESSOR in the area of atmospheric chemistry. We are seeking an outstanding Ph.D. who will establish a vigorous research program in areas that will complement existing strong programs in atmospheric chemistry both within the Department of Chemistry as well as in Earth System Science. Typical (but not exclusive) areas include the development of novel methods, studies in laboratory and field, and modeling of atmospheric chemistry. Responsibilities include teaching one course at the undergraduate level and one at the graduate level. Applicants should send their curriculums vitae, a list of publications, and a description of their proposed research program to: Professor R. J. Finlayson-Pitts, Atmospheric Chemistry Search Committee, Department of Chemistry, University of California, Irvine, CA 92717-2650. The application should also include a brief statement to show that they have at least three letters of recommendation submitted on their behalf. To ensure full consideration, applications and all supporting materials should be received by December 1, 1995. The University of California is an Equal Opportunity Employer committed to excellence through diversity.

ASSISTANT/ASSOCIATE PROFESSOR
Immunology/Virology (Two Positions)

Creighton University, School of Medicine, Department of Medical Microbiology and Immunology invites applications for two TENURE-TRACK POSITIONS available in spring or summer 1996. Preference will be given to applicants with research interests in Immunology and Virology. Duties are expected to conduct vigorous independent research and to have an interest and aptitude for teaching graduate students as well as medical, dental and other allied health professionals in students. Laboratory space and start-up funding will be available. Applicants should send a curriculum vitae, a brief summary of research interests, three letters of references, and addresses of at least three references to: Roderick Nairn, Ph.D., Professor and Chair, Department of Medical Microbiology and Immunology, Creighton University, 2500 California Plaza, Omaha, NE 68178. Deadline for receipt of applications is January 31, 1996. Creighton University is an Equal Opportunity/Employer.

ASSOCIATE DIRECTOR
Parental Analysis

Genetic Design, Inc., one of the country’s leading human identification companies, provides specialized services for parentage testing utilizing serological and molecular technologies. We are seeking qualified candidates for the position of ASSOCIATE DIRECTOR of Parentage Analysis. The individual we seek will be principally involved in interpretation and review of genetic data relating to parentage analysis, presentation of educational services, and providing expert witness testimony within the United States. Requirements for the position: Ph.D. (or equivalent) in one of the following areas with coursework in genetics, immunology, and statistics. Excellent communication skills required, both written and oral. Genetic Design, Inc. is an Equal Opportunity Employer.

ZOOCENICUM
UNIVERSITY OF COPENHAGEN

Two CHAIRS in systematic zoology are vacant from 1 August 1996: 1) Systematics and zoogeography; 2) Invertebrate zoology. Deadline for applications: 4 December 1995. Full text and further information can be obtained from: The Director, Zoocenicum, Universitetsparken 15, DK-2100 Copenhagen, Denmark. FAX: +45 35 32 10; E-mail: cielsen@zmucuk.dk.

The University of Chile, Astronomy Department, has an open position for ASSISTANT/ASSOCIATE PROFESSOR in Astronomy. The position is a 12-month degree for 1996. The Candidate must be a young Ph.D., with interest and experience in theoretical astrophysics. Teaching duties include graduate courses in Astronomy and undergraduate courses in Physics. Please send curriculum vitae and two reference letters before October 31, 1995, to: Departamento de Astronomia, Casilla 36-D, Santiago, Chile. FAX: 562-229-4101. Email: oficina@das.uchile.cl.

UNIVERSITY OF SAN DIEGO

The University of San Diego (USD) Marine and Environmental Studies Program invites applications for a TENURE-TRACK POSITION beginning in the fall of 1996. The University is looking for an Oceanographer with training research in the physical, chemical, and biological ocean sciences and with interests in interdisciplinary applications. Teaching responsibilities include a lower division course in marine biology, an upper division general oceanography course for students in Ocean Studies (a major interfacing science and social science), and an upper division or graduate course in an area new to the program. The position is expected to contribute occasionally to the graduate core curriculum. USD is an independent Catholic university whose specific mission is to be a Christian university whose aim is to create a moral society. It is anticipated that the new position ship is integral to this aim, and a candidate is expected to establish a research program that can involve undergraduate and graduate (M.S.) students. Applicants should submit a curriculum vitae, a brief statement of teaching philosophy and research interests, and a list of three references by November 3, 1995 to: Director, Marine and Environmental Studies, 5998 Alcala Park, San Diego, CA 92110-2492. Women and minorities are particularly encouraged to apply. USD is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR
DEPARTMENT OF ENTOMOLOGY
UNIVERSITY OF MASSACHUSETTS/AMHERST

Tenure-track faculty position available fall 1996 to conduct research in basic and applied biology of insects of indoor environments. Candidate will develop vigorous, externally funded research program. Research focus should be in molecular biology, immunology, or other areas of appropriate areas of study (e.g., population genetics, chemical ecology). Teaching includes instruction in and coordination of one undergraduate course in Urban and Public Health Pest Management. Qualifications include doctorate in Entomology or equivalent, interest in applied programs, and experience both in research and publication. Application deadline November 15, 1995, but search will remain open until candidate is selected. Send curriculum vitae, up to five reprints, graduate transcripts, and names, addresses, and FAX numbers of at least three references to: Dr. John D. Edman, Department of Entomology, Fernald Hall, University of Massachusetts, Amherst, MA 01003-2410. Telephone: 413-545-2557; FAX: 413-545-2115; E-mail: jdedman@ent.umass.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer with Disabilities Act Employers.

ASSISTANT PROFESSOR
DEPARTMENT OF BIOLOGICAL SCIENCES
UNIVERSITY OF MARICOPA

There is an open position starting August 15, 1996. Required Ph.D. in Zoology or Biological Sciences with emphasis in mammalian and marine mammalian, with emphasis in ecology, systematics, morphology, genetics, or behavior of marine mammals. The candidate should teach courses in mammalogy and marine mammalogy, to share teaching assignments in other areas related to candidate’s training and experience, to advise undergraduate and graduate students, and to conduct research. Send resume, three letters of recommendation, and academic transcripts to: Mammalogy Search Committee, Department of Biological Sciences, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-4166; FAX: 707-826-3201. Completed application materials must be postmarked by January 10, 1996. The University is an Equal Opportunity/Affirmative Action Employer with disabilities Act Employers.

Biological Faculty—Lake Forest College: A position as VISITING ASSISTANT PROFESSOR is available for the spring semester (January to May) 1996 to teach the major’s core course in genetics (lecture and two laboratory sections), supervise independent studies, and continue with research activities. A modern research laboratory and limited number of graduates per semester are ideal. Candidates must be Ph.D. degree. A Ph.D. degree is preferred but not absolutely necessary. A Ph.D. degree in Genetics is preferred. Submit a letter of application, curriculum vitae, and three letters of reference by November 3, 1995 to: Dr. David W. Towle, Chairperson, Department of Biology, Lake Forest College, Lake Forest, IL 60045. Email address: towle@lc.edu. Applications from minorities and women are actively encouraged.
FACULTY POSITION
Cell/Molecular Biologist

The University of North Carolina's Lineberger Comprehensive Cancer Center is poised to expand into new facilities, and as a result, is continuing the recruitment of new tenure-track faculty. Candidates with emerging or established records in contemporary molecular and cellular biology will be considered. Areas of interest include cancer genetics, signal transduction, cell cycle control, mechanisms of DNA replication/recombination/repair, and models of tumorigenesis. In addition to being a member of the Cancer Center's core faculty, the successful candidate will also be affiliated with one of the University's basic science departments, as well as with its Program in Molecular Biology and Biotechnology. The choice of department affiliation will be based on the candidate's background and interests. Interested applicants should provide a curriculum vitae and a description of research interests, and have four letters of reference sent to:

Dr. David Lee
Chair, Search Committee
Lineberger Comprehensive Cancer Center
University of North Carolina School of Medicine
Chapel Hill, NC 27599-7295

Review of applications will begin on December 1, 1995.

The University of North Carolina at Chapel Hill is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

AMERICAN SOCIETY FOR MICROBIOLOGY AND NATIONAL CENTER FOR INFECTIOUS DISEASES

1996 POSTDOCTORAL RESEARCH ASSOCIATES PROGRAM

Up to ten associate positions will be awarded by the American Society for Microbiology (ASM) for full-time research on infectious diseases which cause significant public health problems. Associates will perform research in residence at the National Center for Infectious Diseases (NCID) which is headquartered at the Centers for Disease Control and Prevention (CDC) in Atlanta, GA. Eligible fields of study include Bacterial and Mycotic Diseases, Viral and Rickettsial Infections, Nosocomial Infections, HIV/AIDS, Vector-borne Infectious Diseases, Sexually Transmitted Diseases, and Parasitic Diseases. Associate positions are limited to individuals who either earned their doctorate degree (Ph.D., Sc.D., M.D., D.V.M., or D.D.S.) or have completed a primary residency after May 1993.

The application deadline is December 1, 1995. For information contact: ASM/NCID Postdoctoral Research Program, 1325 Massachusetts Avenue, N.W., Washington, D.C. 20005
Tel. (202) 942-9299 Fax (202) 942-9329 E-mail: fellowships-careers@asmusa.org

TOWARD NEW HORIZONS

Air Force Materiel Command (AFMC) invites applications from leading scientists and engineers interested in shaping the research and technology program of the Air Force.

SENIOR SCIENTIST, ELECTROMAGNETIC RADIATION EFFECTS
ARMSTRONG LABORATORY, HUMAN SYSTEMS CENTER
BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

The ARMSTRONG LABORATORY provides the Air Force with technologies to select, classify and train Air Force personnel; develop medical standards for selection and retention of aircrews, design protective equipment, life support and aircrew escape systems; specify human factors design for weapon systems to enhance human operator performance and logistics supportability, develop safe human exposure criteria for electromagnetic radiation and toxic chemicals; safeguard the quality of the environment; and remediate chemical pollution. The laboratory brings together in one organization the physical, medical and behavioral science and engineering disciplines and specialized research facilities required to address all aspects of the human role in Air Force operations. The Senior Scientist for Electromagnetic Radiation Effects is the laboratory's lead researcher in analysis or modeling of the biological effects of electromagnetic to satisfy projected user requirements.

QUALIFICATIONS: Candidates must demonstrate scientific experience and achievements at the national and international level, evidenced by citations, patents, publications, honors, leadership activity in their field, including election as a Fellow or comparable recognition, and academic standing—normally a doctoral degree.

Salary range is $34,578 - $120,027

APPLICATION INFORMATION: Call the AFMC Senior Civilian Management Office at (512) 257-1094 or DSN 787-1094 for a copy of vacancy announcement ST 91-11 for specific qualification requirements and application procedures. Applications must be postmarked by 15 NOVEMBER 1995.

DEPARTMENT OF THE AIR FORCE
AN EQUAL OPPORTUNITY EMPLOYER

EPRI is recognized as a unique R&D organization. Our mission is to discover, develop, and deliver high value technological advances through networking and partnership with the electric power industry.

Director, Strategic Research and Development

Lead and develop our core science and technology efforts, focusing on important long-term R&D opportunities. Verify that SR&D programs are aligned with EPRI's strategic goals, enhance utility and customer competitiveness, and create new opportunities. You will also maintain excellent relationships with Advisory board members and senior-level members of government organizations, the DOE, and the NSF. You will also provide visible leadership for the SR&D program to attract outside resources.

You must have a technical BS degree (advanced degree preferred), proven success in executive management positions, and the ability to manage complex internal and external relationships. Successful leadership of senior-level technical employees, and communications skills are required.

If you possess the relevant experience knowledge and skills, contact EPRI. We offer a comprehensive benefits package and competitive compensation. Please submit your resume to: EPRI, Human Resources, Dept. 95-110, 3412 Hillview Ave., Palo Alto, CA 94303. FAX: (415) 855-8520. We are an Equal Opportunity Employer. Principals only, please.

EPRI Electric Power Research Institute Leadership in Science and Technology
ENVIRONMENTAL MICROBIOLOGY
Environmental microbiologist, E0795
The Department of Microbiology at the University of Tennessee, Knoxville, invites applications for a tenure-track faculty appointment as ASSISTANT PROFESSOR. Candidates for the position should have a commitment to applying molecular microbial techniques in the analysis of microbial populations and interactions in bio-geochemical processes. The University community and the nearby Oak Ridge National Laboratory, Oak Ridge National Laboratory, and the Tennessee Valley Authority offer unique opportunities for collaborative investigative endeavors. Preference will be given to applicants with a willingness to become part of this interacting network. The successful applicant must hold a doctoral degree with at least two years of postdoctoral experience in modern molecular biology or a related field. The position should be submitted to: Dr. Gary S. Snyder, Chair of the Department of Microbiology, The University of Tennessee, Knoxville, TN 37996-0845. Telephone: 423-974-8808 for additional information. Nominations should be made as soon as possible. Evaluation of applications will begin in January 1994. The University of Tennessee is an Equal Employment Opportunity/Fair Treatment Action/Title IX/Section 504/ADA Employer. Applications from women and minorities are especially invited.

ANIMAL PHYSIOLOGIST
Carleton College
Applicants are invited for a one-year (one-third academic-year) appointment beginning on August 1, 1999, for courses related to the Department of Biology. Teaching responsibilities will include a mid-level lecture/laboratory course in animal physiology. Ph.D. preferred—A.B.D. considered. Send application, curriculum vitae, undergraduate and graduate transcripts, a statement of teaching philosophy, a summary of your research interests, and the names of three references to: Susan Singer, Department of Biology, Carleton College, Northfield, MN 55057-4025. Review of applications begins November 6, 1995. Carleton College is an Equal Employment Opportunity/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.

FACULTY POSITION
University of Maryland at College Park
The Department of Microbiology invites applications from qualified individuals at any rank to join its faculty. We are searching for imaginative and ambitious individuals, using Virology or Immunology as their research platforms, for an ongoing expansion of the Department. Preference will be given to candidates whose programs would interface with departmental research strengths in cell surface biology. An appointment would include a highly competitive package consisting of generous start-up funds, newly-constructed laboratory space, and access to state-of-the-art core facilities. An outstanding research record and a solid history of generating research support would be prerequisites for an appointment at the senior level. Teaching responsibilities will include participating in our upper division and graduate level offerings and offering advanced graduate-level courses in one's area of expertise. To apply, send curriculum vitae, copies of three representative papers, and a statement of research interests, and arrange for at least 3 letters of reference to be submitted to: Dr. Daniel Stein, Chair of the Search Committee, Department of Microbiology, University of Maryland, College Park, MD 20742. Review of applications will begin on December 1, 1995 and continue until suitable candidates are identified. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR MOLECULAR BIOLOGY
Neurex Corporation is a rapidly growing biopharmaceutical company in the San Francisco Bay Area. We have an immediate opening for a DIRECTOR of Molecular Biology to direct all research activity in Molecular Biology and Electrophysiology. The successful candidate will have experience in ion channel biology and protein engineering with expertise in neurophysiology. A Ph.D. with five to seven years of biotech-related experience including at least two plus years of management experience required. Effective leadership skills and excellent technical and communication skills are essential. Send resume to: RC-SC, Neurex Corporation, 3760 Haven Avenue, Menlo Park, CA 94025. Equal Opportunity Employer.

DIRECTOR
University of New Mexico Health Sciences Center (UNM HSC), DIRECTOR of the Cancer Research and Trauma Institute (CRTI). The UNM HSC invites nominations and applications for the above position. The CRTI provides patient care and physician consultation services for hospitals and private practitioners throughout the Southwest. Research programs include major efforts in both cancer epidemiology and molecular mechanisms of normal and malignant cell functions. The Director is responsible for providing the leadership and management of the research, educational, patient care, and service programs of the CRTI and reports directly to Vice President for Health Sciences. For nomination and application information contact: Search Committee, c/o Jerry White, Box 518 BMSB, Albuquerque, NM 87131-5116, Telephone: 505-277-2423; FAX: 505-277-6581. Application deadline is November 30, 1995. Affirmative Action/Equal Employment Opportunity.

DIRECTOR, Clinical Research Center. Experienced clinical researcher sought to direct NIH funded CRC with current interests that include gene therapy, oncology, endocrinology, sleep and movement disorders, and vasculopathy. Academic appointment commenurate with experience. Send curriculum vitae, names of references, and current support by November 15, 1995 to: James T. Rosenbaum, M.D., Oregon Health Sciences Mail Code C330, 3181 SW Sam Jackson Park Road, Portland, OR 97201. An equal opportunity employer.

POSTDOCTORAL POSITION available fall 1995 to study nerve growth factor signaling. Studies will focus on deciphering the role of protein kinase C isoforms in the NFG signal transduction in primary edge-tissue cells. Requirements include a Ph.D. in biochemistry, cell or molecular biology, or neuroscience. Experience with proteins, tissue culture, and/or nucleic acids is preferred. Ability to work independently as well as interact effectively as part of a group is desired. Effective communication skills are essential. This is a three year position funded by NINDS. Salary of $25,000 per year plus fringe benefits. Send curriculum vitae, a brief description of research experience/interests, reprints, and the names and telephone numbers of three references to: Dr. Marie W. Wooten, Auburn University, 331 Funchech Hall, Auburn, AL 36849-5400. Email: mwwootton@auburn.edu. Deadline: November 17, 1995 or until candidate is found. Affirmative Action/Equal Opportunity Employer—Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION available fall 1995 to study signal transduction in the retina. Our laboratory is located in the Department of Ophthalmology at the University of California, 10100 North Torrey Pines Rd., La Jolla, CA 92037. FAX: 619-453-6211. Email: vasko@indvax.uipui.edu. University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study the biochemical pathways and second messenger systems regulating neurotransmitter release, membrane excitability, and sensitivity to cortical and dural vessels. The laboratory is interested in spinal cord neurons and experience with electrophysiological recording techniques using both isolated cells and tissue slices in culture is desirable. Send research summary, curriculum vitae including three references to: Dr. Michael Vasko, Department of Pharmacology and Toxicology, Indiana University School of Medicine, Indianapolis, IN 46202-5126. FAX: 317-274-1566; Email: vaskom@indvax.uipui.edu. University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study functions of tissue-specific and developmentally regulated proteins that bind to DNA sequences (MARs) that anchor chromatin onto nuclear matrix. We seek molecular biologists interested in apoptosis, cell cycle, and/or T cell development. Send research summary, curriculum vitae including three references to: Dr. Toshihiko Shigeshido, La Jolla Cancer Research Foundation, 10901 North Torrey Pines Rd., La Jolla, CA 92037. FAX: 619-453-6211. Email: vasko@indvax.uipui.edu. University of California is an Equal Opportunity/Affirmative Action Employer.

SENIOR RESEARCH SPECIALIST
Position available immediately for a Ph.D. in molecular biology or M.S. with considerable experience in molecular biology techniques. Experience with cell lines, radioactivity and immunohistochemistry techniques highly desirable. Send resume to: Dr. P. Randle, University of Illinois at Chicago, Department of Pathology, University of Illinois at Chicago, 230 S. Wabash Avenue, Chicago, IL 60616-7232. Affirmative Action/Equal Employment Opportunity Employer.
UNIVERSITY OF PENNSYLVANIA
Department of Chemistry
As part of a continuing development program, the Department of Chemistry at the University of Pennsylvania plans to make three SENIOR APPOINTMENTS in the areas of synthetic organic chemistry, bioorganic, biochemistry and/or molecular biology and materials chemistry. These positions are designed to complement existing strengths in the Department.

The appointments will be available upon completion of additional new chemistry faculty scheduled for the fall 1997. Applicants should send their curriculum vitae, list of publications, and a description of proposed research to: Amos B. Smith, III, Chair, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF PENNSYLVANIA
Department of Chemistry
As part of a continuing development program, the Department of Chemistry at the University of Pennsylvania expects to make an appointment in Biological Chemistry. The appointment will be at the ASSISTANT PROFESSOR (tenure probationary) level with the area of research interest in Theoretical and Computational Structural Biology. Applicants should send their curriculum vitae, list of publications, and a description of proposed research to: Amos B. Smith, III, Chair, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323, by November 1, 1995. Applicants should also arrange three letters of reference to be sent to the same address. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

MAYO CLINIC
MAYO CANCER CENTER

Staff Scientist in Cancer Research

The NCI-designated Mayo Cancer Center in Rochester, Minnesota, invites applications for several staff scientist positions in cancer research. Investigators with established research programs in areas of cancer biology with clinical/ translational applicability are especially encouraged to apply. Areas of particular emphasis in the Mayo Cancer Center include breast and gynecologic malignancies, neuro-oncology (adult and pediatric primary brain tumors), prostate and genito-urinary malignancies, gastrointestinal malignancies, soft tissue sarcomas (including pediatric solid tumors), and hematologic malignancies. The Mayo Clinic provides an outstanding environment for investigators interested in applying modern advances in the cellular and molecular basis of cancer to improved methods in the prevention, diagnosis and treatment of cancer. Interested applicants should submit a statement of research interests, curriculum vitae, bibliography and list of references to:

Nita J. Maihle, Ph.D.
Associate Director for Basic Research
Mayo Cancer Center
Mayo Clinic
200 First Street SW
Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity educator and employer.
POSTDOCTORAL POSITIONS

Two grant-funded POSTDOCTORAL RESEARCH ASSOCIATES are available immediately to participate in an epidemiological study of body composition and cardiovascular disease risk factors. The projects are focused on childhood obesity and sleep apnea, with an emphasis on applying a systems approach to understanding the complex interactions that lead to obesity. Both projects require a Ph.D. in Nutrition, Exercise Science, or Biostatistics or a Master’s degree in Biostatistics. Salaries are competitive and include full benefits. Send curriculum vitae and names of three references to: Dr. J. H. Rodriguez, Department of Pediatrics, Mail Code 8608, UC San Diego, 9500 Gilman Drive, La Jolla, CA 92037. Email: jhrodriguez@ucsd.edu. Applications will be considered until the positions are filled.

POSTDOCTORAL POSITION

Molecular Genetics

Applications are invited to participate in a collaborative project between the Department of Biomedical Sciences, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853, and the Laboratory of Human and Veterinary Immunology, Department of Pathology, University of California, San Francisco, CA 94143. The project will be directed toward the identification and characterization of candidate genes that determine susceptibility to infectious diseases. The ideal candidate will be a Ph.D. or M.D. with a strong background in molecular biology, immunology, or virology. Send curriculum vitae, names of three references, and a statement of research interests to: Dr. H. E. Pardi, Department of Pathology, University of California, San Francisco, CA 94143. Applications will be reviewed until the position is filled.

POSTDOCTORAL POSITIONS

Two postdoctoral positions are available immediately in the laboratory of Dr. J. E. Stallcup, Department of Anatomy, University of Michigan, Ann Arbor, MI 48109. The positions are supported by grants from the National Institute of Diabetes and Digestive and Kidney Diseases. One position will focus on the study of the role of nuclear-factor-κB (NF-κB) in the regulation of gene expression in response to inflammatory stimuli. The other position will focus on the study of the role of NF-κB in the regulation of gene expression in response to environmental stimuli. The ideal candidates will have a strong background in molecular biology and experience in the use of molecular biological techniques. Send curriculum vitae and names of three references to: Dr. J. E. Stallcup, Department of Anatomy, University of Michigan, Ann Arbor, MI 48109. Applications will be reviewed until the positions are filled.

POSTDOCTORAL POSITIONS

Two postdoctoral positions are available immediately in the laboratory of Dr. J. E. Stallcup, Department of Anatomy, University of Michigan, Ann Arbor, MI 48109. The positions are supported by grants from the National Institute of Diabetes and Digestive and Kidney Diseases. One position will focus on the study of the role of nuclear-factor-κB (NF-κB) in the regulation of gene expression in response to inflammatory stimuli. The other position will focus on the study of the role of NF-κB in the regulation of gene expression in response to environmental stimuli. The ideal candidates will have a strong background in molecular biology and experience in the use of molecular biological techniques. Send curriculum vitae and names of three references to: Dr. J. E. Stallcup, Department of Anatomy, University of Michigan, Ann Arbor, MI 48109. Applications will be reviewed until the positions are filled.
NeXstar Pharmaceuticals, Inc. is a Boulder, Colorado based biotechnology company involved in the discovery and development of oligonucleotide and liposome-based therapeutic agents and the manufacture of liposomal drug formulations for the treatment of major disease. NeXstar was formed from the recent merger of NeXagen, Inc., of Boulder and Vestar, Inc. of San Dimas, California. NeXstar is a fully integrated pharmaceutical firm with product sales of over $45 million, a proven clinical and product development capability, and a fundamental and patent protected drug discovery technology. We currently have several career opportunities in the San Dimas facility.

**RESEARCH SCIENTIST/SR. RESEARCH SCIENTIST**

Ph.D. in Chemistry, Pharmaceutical Chemistry or related discipline with 3-8 years experience in lipid and/or polymer chemistry. Will work on the design and synthesis of novel drug delivery systems for use in oligonucleotide and targeted therapeutics. Experience in oligonucleotide or combinatorial chemistry would be advantageous.

**POST DOCTORAL SCIENTISTS**

Ph.D. in Molecular Biology or related field with at least 4 years of research experience in virology and immunology. Familiarity with "in vitro" and "in vivo" viral infection models are required. Knowledge of drug delivery beneficial. Must have excellent verbal and written communication skills.

Ph.D. in Biochemistry or related field. Strong physical or biophysical chemistry background is a plus. Experience with molecular biology techniques such as plasmid preparation and purification and cloning is preferred. Familiarity with methods of liposome preparation is also beneficial. Experience with DNA transfection of cells using non-viral vectors is also required.

**RESEARCH ASSOCIATES**

B.S. in Chemistry or related field with 0-3 years experience in synthetic organic chemistry. Will assist Ph.D. level scientists in laboratory syntheses of novel compounds to be investigated as therapeutic agents or delivery vehicles.

B.S. in Chemistry, Pharmacy, Pharmaceutical Chemistry or related field with 0-2 years experience. Will assist formulation chemists in the design and evaluation of novel drug delivery vehicles. Background in physical chemistry and spectroscopy is advantageous.

NeXstar offers a competitive salary and benefits package. Interested candidates may submit their resume and cover letter to Human Resources as follows:

**Sr. Research Scientist**

This position will be responsible for investigating novel targets for drug development in osteoporosis. Utilization of cell and organ culture models to answer proof of principle questions for targets is essential. A strong knowledge of biochemical techniques of cell fractionation, protein purification, immunoprecipitation, etc. is essential. The individual will interact with molecular biologists and in vivo pharmacologists to establish new in vitro and ex vivo assay systems for evaluation of drug candidates. Experience in the development of high volume screening assays and bone biology experience is an advantage.

We offer an attractive salary and generous benefits. For immediate consideration, please send resume to: Bayer Corporation, Pharmaceutical Division, Dept. AA-D8, 400 Morgan Lane, West Haven, CT 06516. An Equal Opportunity Employer M/F/D/V.

**DIRECTOR OF BIOCHEMISTRY AND MOLECULAR BIOLOGY**

BioSource International is a leading manufacturer of immunological reagents and test kits for the international medical research marketplace. This dynamic, publicly held company is seeking an innovative scientific professional to lead the research and development efforts of our molecular biology group.

The successful candidate will have a Ph.D. in molecular biology or biochemistry and 5+ years of hands-on experience in gene cloning, sequencing, and expression, as well as protein biochemistry, including purification and folding of immunological proteins. A working knowledge of immunology and cell biology relating to in vitro bioassays of biologically active proteins also desirable.

This professional should possess strong management and interpersonal skills honed in a highly productive industry setting. This leader must also have the demonstrated ability to skillfully lead a team of scientists in the development, scale-up and production of biologically active proteins.

BioSource International Inc. is a biotechnology company located near the beautiful Central Coast of California. The company offers a competitive salary, excellent medical, dental and life insurance programs, generous stock option and stock purchase plans, a 401(k) pension plan, and a team-oriented working environment focused on producing excellent products for our customers. Qualified candidates only should mail or fax resumes to: BioSource International, Human Resources Dept., 820 Flynn Road, Camarillo, CA 93012, FAX 805/388-8295. EO-E.
POSTDOCTORAL POSITIONS
in Advanced Chemical Detection Technologies
Sandia National Laboratories, California

Sandia National Laboratories (SNL) is seeking POSTDOCTORAL candidates to develop advanced chemical detection devices and systems. We request applications from innovative individuals who wish to join an interdisciplinary team of chemists, biochemists and engineers to conduct research leading toward development of new methods for chemical analysis. Research areas of interest include laser spectroscopy, mass spectrometry, capillary electrophoresis, liquid chromatography, immunochromatography, biosensors, microelectronic sensors, and microfabrication. Successful applicants will participate in activities that include basic research, technology development and small scale applications. Some areas include: 1) environmental restoration and monitoring, biotechnology and defense. Candidates should have a Ph.D. and have demonstrated research experience in one or more of the research areas described above. Salaries and benefits are competitive. Please send a curriculum vitae, list of publications and names of professors to:

Sandia National Laboratories
A. M. Isham, Employee/Recruiting
Department 8522-568
P.O. Box 9600
Livermore, CA 94551-0969

U.S. Citizenship Required, SNL is an Equal Opportunity Employer. Minority/Female/Veteran/Disabled.

POSTDOCTORAL POSITION
BIOCHEMISTRY/MOLECULAR BIOLOGY

A position is available to study the in vitro DNA binding properties of pathogenic anti-DNA autoantibodies isolated from lupus patients. Applicants must possess expertise in molecular biology and biochemistry including cloning, expression, and purification of recombinant proteins. This position is available for up to three years. Interested individuals should submit a curriculum vitae and names of three references to: Dr. Gary D. Glick, University of Michigan, Department of Chemistry, 930 North University Avenue, Ann Arbor, MI 48109-1055.

POSTDOCTORAL POSITION
available immediately for studying neuron-glial interactions in brain slices from knockout mice deficient in ion channels, glial filaments, and glutamate transporters. Applicants must have expertise in patch-clamp and/or calcium imaging studies on brain slices. Contact: S. Y. Chiu, Telephone: 608-262-6994 or Albee Messing, Telephone: 608-263-9191. Send curriculum vitae to: S. Y. Chiu, University of Wisconsin-Madison, Department of Neurophysiology, 285 Medical Sciences Building, 1300 University Avenue, Madison, WI 53706-1532.

POSTDOCTORAL POSITION
available immediately to work on studies of mucosal and passive immunity as related to enhancement of the immunogenicity of enteric viral oral vaccines. Candidate must have a Ph.D. in immunology in one of the following areas: 1) design and testing of proteins in a cell and grain challenge model. Experience in immunology is required with training in molecular virology desirable. Send curriculum vitae and three letters of recommendation to: Dr. Linda Sall, Food Animal Health Research Program, Ohio Agricultural Research and Development Center, The Ohio State University, 1680 Madison Avenue, Wooster, OH 44691.

POSTDOCTORAL POSITION
in Retinal Transplantation available January 1, 1996 to study the efficacy of retinal transplantation and its clinical and experimental applications. Candidates require expertise in retinal histology and physiology, and computer proficiency. This is a one year position with an option for renewal. Competitive level. Open to U.S. citizens or permanent residents. Send curriculum vitae and three reference letters to: Manuel del Cerro, M.D., Department of Ophthalmology, University of Rochester School of Medicine, Rochester, NY 14642.

POSTDOCTORAL POSITION
to study opiate receptors, signal transduction, and immunomodulation. Molecular expertise including PCR, DNA sequencing, vector construction, and in situ hybridization is essential. Due to funding limitations, only U.S. citizens and permanent residents are eligible. Send curriculum vitae and four reference letters to: Burt Sharp, M.D., MMRS, 914 South 8th Street, Minneapolis, MN 55404. FAX: 612-347-3915. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATESHIP
Available for a Ph.D. or equivalent with experience in molecular immunology (flow cytometry, quantitative PCR, cytokines, etc.) to study human NK cells (NIH funded). Send curriculum vitae, reprints, and three reference letters to: Dr. R. Krishnaraj, University of Illinois at Chicago, Department of Medicine (M/C 7877), 840 S. Wood St., Chicago, IL 60612. FAX: 312-413-2693. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATESHIP
in the area of molecular genetics and previous experience in positional cloning projects and/or in the techniques needed for this project (cosmid/phage/YAC and related cloning techniques, FISH, direct selection, in situ hybridization, RT-PCR, etc.). Send curriculum vitae to: Dr. Emmanuel Mignon, 701 Welch Road, Suite 2226, Palo Alto, CA 94304 by October 31, 1996. Stanford University is committed to increasing representation of women and members of minority groups on its faculty/staff and particularly encourages applications from such candidates.

POSTDOCTORAL RESEARCH SCIENTIST
Position available to work in clinical laboratory studying human motor physiology and the quantitative assessment of movement disorders. Candidates must have Ph.D. in biomedical engineering or equivalent; expertise in signal processing, biologic data acquisition techniques, electrophysiology, and programming for single unit neural recording and expert systems is preferred. Send curriculum vitae and three letters of reference to: Dr. Seth Pullman, Director, Clinical Motor Physiology Laboratory, The Neurological Institute of Columbia Presbyterian Medical Center, 710 West 168th Street, New York, NY 10032. We are an Equal Opportunity/Affirmative Action Employer.


POSTDOCTORAL RESEARCH ASSOCIATE
position available immediately to study structure, function, and regulation of ion channels. Current areas of focus: (1) phospholipid metabolism, (2) patch clamp, (3) voltage, and (4) binding of ion channel blockers. Send curriculum vitae and references to: Dr. Glenn E. Kirsch, Rambeltkamp Research Center R327, MetroHealth Medical Center, 2500 MetroHealth Drive, Cleveland, OH 44109. FAX: 216-778-8282; Email: gkirsch@mhnet.mh.org.
To apply, send Biochem, Chemistry candidates graduate students from engineering.
The interactions, microscopy, the Chemistry of in duties an MD an area that is a funded research program.

Review of candidates will begin November 1, 1995 and will continue until an appointment is made. Applicants should submit a complete curriculum vitae that includes a summary of research and teaching experience and the names of three references. Applications and nominations should be sent to Dr. Arthur E. Johnson, Search Committee Chair, College of Medicine, Texas A&M University Health Science Center, 161 Reynolds Medical Building, College Station, TX 77843-1114.

Texas A&M University is an Equal Opportunity Affirmative Action employer.

PRE-DOCTORAL AND POST-DOCTORAL TRAINING PROGRAMS

RESEARCH PROGRAMS
Genome Organization
Developmental Biology
Metabolic Diseases
Neurogenetics
Genetics of Complex Traits
Cancer Genetics
Immunology/Hematology
Bioinformatics

The Jackson Laboratory: a unique research environment with unparalleled mouse resources.

Letters of inquiry should include: curriculum vitae, statement of research interests, list of publications, and names of three references. (Predoctoral programs are in conjunction with the University of Maine and Yale University.)

To apply or request further information, contact: Pre/Postdoc Recruitment, Box 361, The Jackson Laboratory, 600 Main Street, Bar Harbor, ME 04609 Phone: 207-288-6419; FAX: 207-288-8254 EE/AA Employer

THE DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY of the University of Maryland at College Park seeks to fill two positions, one at the Assistant Professor (Tenure Track) level, and one at the Senior level. The Senior position will be in the Division of Biochemistry, which is in the process of growing substantially from its current faculty; most of whom are young with active programs in enzymology, DNA recombinant, nuclear RNA, antimicrobial peptides, DNA-protein interactions, atomic force microscopy, and membrane function. Candidates should be in an area that broadens this range of programs, and have an exceptional record of research accomplishment as well as being at a stage of expanding productivity. Although a senior candidate is preferred, junior candidates will also be considered.

The Assistant Professor position will be joint with the Center for Agricultural Biotechnology (CAB), with laboratory space, tenure, and teaching duties in Biochemistry. CAB is a component of the U of MD Biotechnology Institute and is a multidisciplinary research center emphasizing plant-microbe interactions, insect molecular genetics, vaccine development, protein modification, and biochemical engineering. It will soon occupy a newly constructed and equipped research building on the U of MD College Park campus. Candidates for this position must have a Ph.D. in biochemistry or related field, and should have demonstrated excellence in research and teaching potential.

Applications will be reviewed as they are received until the position is filled.

Equal Opportunity/Affirmative Action Employer.

CAREERS IN DRUG DISCOVERY RESEARCH

Northwestern University Medical School
Dept. of Molecular Pharmacology and Biological Chemistry

An interdisciplinary program in drug discovery that is based on structure and mechanism with a focus on selected diseases has been established recently at Northwestern University. Training and positions are available at the graduate, post-doctoral and faculty levels. Resources include X-ray crystallography, combinatorial chemistry, genetically engineered animal models, proteins and nucleic acid chemistry, spectroscopy and analytical facilities, and shared resources at the Advanced Photon Source at Argonne National Labs. Interested individuals should consult the Web page (http://www.pharm.nwu.edu/) and contact the appropriate individual.

Affirmative Action/Equal Opportunity Educator and Employer

BROWN UNIVERSITY MOLECULAR PHARMACOLOGIST

A position is open at the rank of Assistant Professor (tenure-track) or Associate Professor (tenured) for an individual investigator with research interests in the structure-function relationships of drug targets such as cell surface receptors, ion channels, enzymes, or other signal transduction elements. Individuals with particular expertise in the application of heteronuclear NMR methodologies for macromolecular structure-function analysis and the use of molecular biological techniques are encouraged to apply. Applicants should have at least two years of postdoctoral training and the potential or demonstrated ability to develop an independent, externally funded research program. General teaching responsibilities include pharmacology instruction for medical students, as well as participation in undergraduate and graduate education. Opportunities exist for interactions with a wide range of excellent faculty throughout the University. The appointment will begin on or after July 1, 1996. Applications received by November 30, 1995 will receive full consideration. Applicants should submit a resume including research and teaching experience, future research plans, and a list of publications; three letters of reference; and a statement of teaching goals to Dr. Edward Hawrot, Department of Molecular Pharmacology and Biotechnology, Box G-B487, Division of Biology and Medicine, Brown University, Providence, RI 02912.

We encourage women and minority candidates. Brown University is an equal opportunity/affirmative action employer.
POSTDOCTORAL FELLOWS—PENN STATE

Applications are being accepted for positions on an NIH training grant. Applicants with a Ph.D., M.D., or M.D./Ph.D., or M.S. in molecular biology, biochemistry, or related fields are encouraged to apply. Applicants must have a record of excellent research achievement and potential for independent research. Applicants should submit a curriculum vitae, three letters of recommendation, and a research statement describing their research interests to Dr. Ralph Broome, Department of Biochemistry and Molecular Biology, Pennsylvania State University, 325 Old Main, University Park, PA 16802. The application deadline is December 31, 1995.

MBL
MED BIOTECH LABS KAMPALA, UGANDA

Research Associates in Molecular Parasitology

Three RESEARCH ASSOCIATE POSITIONS in Molecular Parasitology are available to deal and characterize lipid modification enzymes of Onchocerca volvulus as possible targets of drug development, and to identify and clone genetic markers of invertebrate resistance in parasitic nematodes. Two positions require two to three years of experience in the techniques of screening gene libraries, cloning and expression of genes and gene families, and other techniques. Salary is negotiable. Applications with a letter of interest and a CV should be sent to: Dr. J. Eisen, MBL, 555 Main Street, Woods Hole, MA 02543-1047.

POSTDOCTORAL FELLOWSHIPS

HOLLANDER POSTDOCTORAL FELLOWSHIPS are available to conduct energy-related research in the life, biomedical, and environmental sciences, including global change and human genome research. Fellowships are tenable at Department of Energy, university, or private laboratories with programs sponsored by the Office of Health and Environmental Research. Stipend is $37,500. A doctoral degree received after April 30, 1994, is required as is U.S. citizenship or non-immigrant status. Application form is required. Deadline is January 15, 1996. Contact: Hollanders Postdoctoral Fellowships, Science/Engineering Education and Environment, P.O. Box 117, Oak Ridge, TN 37831-0117. Telephone: 615-576-9975.

GRADUATE FELLOWSHIPS

Biochemistry and Molecular Biology

The program leading to a Ph.D. includes a range of research options with an emphasis on structure and function of biological molecules, including DNA, RNA, and proteins. Numerous laboratories are open to both full-time and part-time graduate students. Competitive stipends and full tuition waiver are provided. Application deadline is February 15, 1996. Contact: Chair, Graduate Program, Department of Biochemistry and Molecular Biology, SUNY Health Science Center Syracuse, 750 East Adams Street, Syracuse, NY 13210. Telephone: 315-464-5127.

MECHANISMS OF NEURAL DISEASE: GRADUATE AND FELLOWSHIP TRAINING

Opportunities for research training at the graduate and postgraduate level in a newly sponsored training program, entitled "Mechanisms of Neurological Diseases," are available at the Cornell University Graduate School of Medical Sciences. Applicants must have a Ph.D. or M.D., or M.D./Ph.D. in the basic sciences. Applicants will be required to provide a letter of recommendation from a professor or other appropriate individual familiar with the applicant's work. Applicants must have a record of good academic standing and must be U.S. citizens or permanent residents. Application deadline is March 1, 1996. Contact: Dr. John A. Wagner, the director of the program and the training grant, or any of the participating faculty for additional information about specific opportunities. Participants will be required to participate in a scientific seminar and to attend workshops and symposia. There are opportunities for research training at the postgraduate level in the newly sponsored training program and in individual laboratories at the Cornell University Medical College.

Two POSTDOCTORAL RESEARCH FELLOWSHIPS: Studies on identification, cloning, expression, and signal transduction mechanisms of novel regulatory proteins for osteoblasts. Experience in cell culture, protein purification, enzyme kinetics, basic biochemistry, molecular biology techniques, cytokine immunoonassays, and signal transduction mechanisms is desirable. Ph.D. is required for both positions, and both will involve interactions with a large, multidisciplinary laboratory of Ph.D., M.D., and M.D./Ph.D. scientists and be competitive. Application deadline is March 30, 1996. Contact: Dr. D. J. Baylin, M.D., Pettis VA Medical Center, 151, 11201 Benton Street, Loma Linda, CA 92357.
Post Doctoral Fellowships
Immunex Corporation

Immunex Corporation is a Seattle-based biopharmaceutical company focused on the discovery, development, manufacture, and marketing of products to treat cancer, infectious disease and autoimmune disorders, and is a world leader in cytokine research.

Immunex currently has several Post Doctoral Fellowships available in the following areas:

**Research**

- Molecular Biology
- Transgenics/Gene Targeting
- Biochemistry
- Genomics
- Protein Chemistry
- Immunology
- Bioinformatics
- Cell Biology

Research activities at Immunex are oriented toward the molecular basis of immune regulation and cytokine action, particularly the cloning of novel cytokines, cytokine receptors and other immunoregulatory molecules, the identification of virally-encoded immune modulators, analysis of the biological activities of these molecules, the signal transduction pathways by which they act and investigations of the structural basis of ligand-receptor interactions. A significant effort is also devoted to the study of in vitro and in vivo models of normal and abnormal immune regulation as a means to identify novel immunoregulatory molecules and to characterize their biological activities. Both in vitro and in vivo studies are also underway in the general area of gut biology with particular focus on the control of proliferation and function of intestinal epithelium in response to immunoregulatory molecules and novel cytokines.

Immunex offers a collaborative, supportive, team environment, and a competitive salary and benefits package. For consideration, please send cover letter and resume, referencing Job #7230 to:

Immunex Corporation
Attn: Human Resources Dept. #7230
51 University Street
Seattle, WA 98101

Equal Opportunity Employer

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**FACULTY POSITIONS IN SYSTEMS NEUROSCIENCE**

**WASHINGTON UNIVERSITY**

Department of Anatomy and Neurobiology

Tenure track faculty positions in the area of systems neuroscience are available in the Department of Anatomy & Neurobiology at Washington University School of Medicine. We seek individuals whose research focusses on non-human primates and who are taking innovative approaches to important questions in systems neuroscience, including sensory processing, motor control, or cognitive function. We are particularly interested in applicants whose proposed research program includes a strong computational aspect. Excellent laboratory space will be available in a newly completed state-of-the-art primate facility. Our emphasis is on appointments at the Assistant Professor level, but appointments at a more senior level will also be considered.

The Department of Anatomy & Neurobiology includes 20 faculty who are actively involved in neurobiological research, and it is part of a much larger interdepartmental neuroscience program. The new primate facility is in close proximity to a new Imaging Center containing superb PET and MRI research facilities. Both the department and the neuroscience program offer numerous opportunities for scientific interactions and collaborations.

Applicants should send a curriculum vitae, synopsis of research interests, and names (incl. addresses, phone/fax/email) of three references to: Dr. David Van Essen, Head, Department of Anatomy and Neurobiology, Box 8108, Washington University School of Medicine, 660 S. Euclid Ave., St. Louis, MO 63110, USA. Applications should be received by December 20, 1995.

Washington University is an Affirmative Action/Equal Opportunity Employer. Applications from minorities and women are encouraged.

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**CHALLENGING THE BIG PROBLEMS WITH GREAT SCIENCE**

Agouron Pharmaceuticals, Inc., a pioneer and leader in the field of structure-based drug design is seeking talented scientists to join our multidisciplinary team in the following areas:

- **ANALYTICAL CHEMISTRY**
- **BIOCHEMISTRY**
- **CLINICAL RESEARCH**
- **COMPUTATIONAL CHEMISTRY**
- **PHARMACEUTICAL DEVELOPMENT**
- **PHARMACOLOGY**
- **PROCESS/SCALE-UP CHEMISTRY**
- **SYNTHETIC ORGANIC CHEMISTRY**

Located in the intellectually stimulating environment of La Jolla, California, Agouron offers an excellent compensation and benefits package. For immediate consideration, please send a detailed résumé to: Human Resources, Agouron Pharmaceuticals, Inc., 10350 N. Torrey Pines Rd., La Jolla, CA 92037. EOE.

Agouron Pharmaceuticals, Inc.
POSITIONS OPEN

POSTDOCTORAL SCIENTIST \nCell Biology

Position available immediately for up to three years in the Architectural Dynamics in Living Cells Program. Applicants are expected to have strong background in cell biology and to participate in the development of innovative imaging techniques. Current projects investigate the structural basis and control of mitosis, cell division and morphogenesis, with emphasis on biophysical studies of single living cells. Development of biophysical instrumentation and methodology, such as high resolution polarization optical and video microscopy, and their applications to in vivo measurements, are an integral part of the program. Send curriculum vitae with bibliography and names of three references to: Human Resources, Marine Biological Laboratory, Woods Hole, MA 02543, USA. Email: resume@mbl.edu.

Equal Opportunity/Affirmative Action/Non-discrimination Workplace.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS

POSTDOCTORAL RESEARCH ASSOCIATE position is available for NIH-funded research for a recent Ph.D. in biochemistry, with experience in the role of insulin-like growth factor signaling on growth and differentiation pathways in malignant myogenic cells. Applicants should have a strong background in molecular pathology and molecular/cell biology techniques. Send curriculum vitae with names of three references to: Dr. P. Houghton, Department of Molecular Pharmacology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105-2794. Equal Opportunity/Affirmative Action Employer.

Harvard Medical School. POSTDOCTORAL POSITIONS in Biological/Social Psychiatry. Research training in both psychobiological and psychosocial areas with integrative seminars; for M.D.s (including residents) and Ph.D.s who are U.S. citizens or permanent residents. Fellowships begin after July 1, 1996. Stipends: $19,600 to $32,300. Deadline 1 February 1996. Contact: Polly Trout, Clinical Research Training Program, Judge Baker Children's Hospital, 1100 Commonwealth Avenue, Boston, MA 02115. Telephone: 617-232-8390, x2559. Minority and M.D.s encouraged to apply.

POSTDOCTORAL position available immediately to study the function of prostatin androgen-response genes in prostate cancer. Successful postdoctoral candidate will transition of prostate cancer from an androgen-dependent state to a lethal androgen-independent state. Applicants should have a Ph.D. in molecular biology, biochemistry or a related field. Send curriculum vitae and names of three references to: Zhong Wang, Ph.D., Department of Urology, Northwestern University Medical School, Tarry 11-5, 303 East Chicago Avenue, Chicago, IL 60611. FAX: 312-928-7275. Affirmative Action/Equal Employment Opportunity.

Laboratory for Biomaterials/Research Department of Chemistry at Rutgers University has openings for POSTDOCTORAL ASSOCIATES with expertise in synthetic, polymer science and engineering. Stipend: $30,000 plus excellent benefits. Outstanding prior research accomplishments and proficiency in English required. Send letter of application, U.S. visa status and names of three references to: Wright-Riemann Laboratories, P.O. Box 939, Piscataway, NJ 08855-0939. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately to develop new DNA sequencing methods based on capillary array electrophoresis and microfabrication techniques and to apply these techniques to the Human Genome Project. Experience in microfabrication, DNA sequencing and/or biophysical chemistry and spectroscopy desirable. Send resume and three references by November 15, 1995 to: Anthony Otsuka (ants@chemistry.berkeley.edu), Department of Chemistry, University of California, Berkeley, CA 94720. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL SCIENTIST \nPlant Science Research Unit

ARS is seeking a SCIENTIST to conduct research in alfalfa genetics and improvement who will select and enhance alfalfa germplasm for traits having potentially environmental or socioeconomic impact. The position requires a Ph.D. in plant breeding, plant genetics, or related discipline is desired. Knowledge of plant breeding and genetics, plant biology, and agronomy is required. Must be a U.S. citizen. Salary commensurate with experience: range $35,575 to $55,642 per annum. For information on the position, contact: Dr. Carroll Vance, Telephone: 612-626-5715. For application package, contact Marilyn Steket, Telephone: 301-344-1864. Applications in response to this advertisement should be marked September 15, 1995 and must be postmarked by November 7, 1995. Submit to: USDA, REE, ARS, HRD, NOB, 6305 Ivy Lane, Room 325, Greenbelt, MD 20770-1435. USDA/ARS is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION \nUNIVERSITY OF IOWA

To analyze currents from single ion channels using fracts, chaos (nonlinear dynamics), neural networks, and random cohered chaos, a method that uses low amplitude signals and motions within ion channel proteins. Requires experience in patch clamp electrophysiology experiments as well as knowledge of mathematics or physics. Interdisciplinary environment of neuroscientists, psychologists, and physicists using nonlinear methods to study the brain and other biological systems. Dr. Larry S. Liebovich, Department of Biological Chemistry, University of Iowa, 7777 Lakeside Glen Drive, Boca Raton, FL 33431. Internet: LIEBOVITCH@WALT.CCS.FAU.EDU. Florida is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION \nUNIV. OF IOWA

Available to study the role of activity in developmental plasticity of neocortex/superior colliculus. Experience with electrophysiology or neuroanatomical techniques desirable. Send curriculum vitae to: S. L. Pallas, Division of Neurology, Bureau of Medical One Baylor Plaza, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.

POSTDOCTORAL ASSOCIATE

Fox Chase Cancer Center has a current need for a POSTDOCTORAL ASSOCIATE to study the molecular basis of cytotoxic drug resistance. Background in molecular biology required. For consideration, please send curriculum vitae and names of three references to: Dr. Gary Kruh, c/o Human Resources-MAS, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Employment Opportunity.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS are available to study the cellular immunity and pathogenesis of picornaviruses, endogenous retroviruses, Epstein-Barr virus or respiratory syncytial virus. Requires a Ph.D. in strong background in immunology, virology, or molecular biology are sought. Submit curriculum vitae and the names of three references to: Dr. Kenneth Martin Cannon, Department of Microbiology and Immunology, University of Arkansas for Medical Sciences, Mall Slot 511, 4301 West Markham, Little Rock, AR 72205.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITION to study a novel ankyrin required for proper axonal guidance in C. elegans (see Otsuka et al., J. Cell Biol., 129:1081-1092, 1995). Send curriculum vitae and three letters of reference to: Dr. Anthony Otsuka (ants@chemistry.berkeley.edu), Department of Chemistry, University of California, Berkeley, CA 94720. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL SCIENTIST \nEnvironmental Science

ENVIRONMENTAL SCIENTISTS

Versar, Inc. has immediate openings for broadly trained environmental scientists to join a growing team working in the areas of monitoring, ecological risk assessment, human health and impact assessment studies. Three positions are available: 1) Environmental Chemist/Ecological Toxicologist, 2) Freshwater Ecologist, 3) Scientific Program Manager. Additional information may be found at Versar’s World Wide Web site: http://www.versar.com. Interested candidates should submit a current resume to: Versar, Inc., 9200 Ramsey Road, Columbus, OH 43214-1935. FAX: 406-941-5186; Email: resumels@versar.com. Equal Opportunity Employer.

RESEARCH DIRECTOR

Midwestern specialty agricultural chemical firm seeks an executive level RESEARCH DIRECTOR to head its nine-member Technical Department. This person will report directly to the president. Principal duties will be to direct, manage, and control quality assurance, and government regulatory efforts. The successful candidate will also make technical presentations to fellow Ph.D. and lay audiences. Must be able to work in a sales-driven environment. Excellent communication skills; Ph.D. in Biochemistry; and experience in microbiology, molecular biology, insect chemistry required. Must have industry experience. Please send resume in confidence to: Mr. Dwaine Francis, Francis & Associates, 6923 Vista Drive, West Des Moines, IA 50266. Physical with drug test required. Non-smokers only.

TWO QUANTITATIVE ECOLOGISTS-San Francisco Bay area. The Tiburon Laboratory of the National Marine Fisheries Service, a NOAA research facility, has two permanent positions ($37,087 to $68,711) in salmon-related research. 1) Mathematical Statistician, announcement R995-242EN, to develop and evaluate statistical methods, e.g., models or methodology. 2) Ecologist or Research Fishery Biologist or Operations Research Analyst, announcement R995-244EN, to develop habitat-related population models. Both positions available October 27, 1995. Telephone: 206-526-6067. Call promptly for materials. An Equal Opportunity/Affirmative Action Employer.

STAFF VIROLOGIST. Responsible for performing research and develop necessary activities related to the identification and analysis of inhibitors of HIV-1. Seeking a Ph.D. in microbiology or virology with experience in the field of virology. Excellent oral and written communications skills a must; experience in the analysis of anti-HIV agents desired. Suburban Maryland location. Send curriculum vitae, a statement of research interests, and names and telephone numbers of three references to: Manager—Virology Research Group, Southern Research Institute, Frederick Research Center, 431 Aviation Way, Frederick, MD 21701-4756.
Interdisciplinary Graduate Program in Cellular and Molecular Biological Sciences

Mount Sinai School of Medicine

- Regulation of Gene Expression
- Cell Cycle and Growth Control
- Intracellular Protein Trafficking
- Signal Transduction and Membrane Biology
- Developmental Biology
- Structural Biology
- Molecular Virology

The graduate school at Mount Sinai School of Medicine has created an interdisciplinary PhD program in Cellular and Molecular Biological Sciences. Over 40 faculty members from different departments participate in the program. Stipends are available to all students as tuition-free fellowships. Interested candidates are urged to contact the Graduate School at the following address for more information and an application form:

Mount Sinai Graduate School of Biological Sciences
Box 1022
One Gustave L. Levy Place
New York, NY 10029
Phone: (212) 241-6546
FAX: (212) 241-0651
E-mail: grads@smtplink.mssm.edu

NEUROBIOLOGY TENURE TRACK AND TENURE FACULTY POSITIONS

University of Maryland Dental School
Department of Oral and Craniofacial Biological Sciences

The Department of Oral and Craniofacial Biological Sciences was recently established from the merger of the basic science departments in the Dental School. New full-time faculty are being recruited with broad expertise in molecular and cell biology and interested in pursuing research in the following areas: the development of the nervous system and its response to injury, mechanisms of salivary gland function, bone and cartilage formation and turnover, and the role of the immune system in the inflammatory process. Core facilities in molecular biology, tissue culture, immunohistochemistry, and image processing are being established. Joint appointments in the medical school will be offered to those candidates who exhibit a strong potential for collaborative research.

Positions are primarily at the Assistant and Associate Professor levels but outstanding candidates at any level will be considered. Successful candidates will have a Ph.D. or equivalent, a record of outstanding research achievement, and a demonstrated ability to attract external funding. For best consideration, applications should be received before November 1, 1995. Applicants should send a C.V., copies of their two most significant publications, brief descriptions of present research and future research plans, and the names of 3-5 individuals from whom recommendations can be obtained to:

Dr. Ronald Dubner, Chair
Department of Oral and Craniofacial Biological Sciences
Dental School, Rm SE-08
University of Maryland at Baltimore
666 W. Baltimore Street
Baltimore, Maryland 21201

We especially encourage women and minorities to apply. The University of Maryland is an AA/EEO/ADA employer.

Public Health Service, National Institutes of Health
National Institute of Environmental Health Sciences

SENIOR STAFF SCIENTIST-COLLABORATIVE RESEARCHER IN MATHEMATICAL MODELING

A senior staff scientist position is available in mechanistic modeling of biochemical and physiological systems. This position provides collaborative research support to scientists within the NIEHS by developing mathematical models for observed biological effects, applying the model to available data for parameter estimation and model validation, testing hypotheses within the model and extending the model to aid researchers in designing new studies and new assays. Extensive experience in biochemical systems modeling and physiologically-based pharmacokinetic modeling is required for this position. Applicants should have a demonstrated ability to do collaborative research (publications, etc.), detailed understanding of mathematical modeling methodology and experience with several computer simulation packages, including SCoP, Simusolv, Matlab, and Mathematica. This is a permanent Federal Civil Service position classified as Mathematician, GS-1520-13/14, with a salary range from $50,706 to $77,893. For additional information, contact Dr. Christopher Portier at 919-541-4989 or e-mail Portier@niehs.nih.gov. Persons should indicate their interest in this position by providing their full name and return address to:

Ms. Norma L. Daye
Human Resource Management Branch
(HNV122)
P. O. Box 12233, Mail Drop 1-01
Research Triangle Park, NC 27709
919-541-0218

Applications must be postmarked by November 13, 1995. The Office of Personnel Management will forward an application package at a later date.

Ph.D. SCIENTIST TUMOR BIOLOGY

Wyeth-Ayerst Research, a division of Fortune 150 American Home Products Corporation, has an opportunity at its Pearl River, New York pharmaceutical research facility.

This position in Tumor Biology requires a minimum of 7 years post Ph.D. experience in a variety of aspects of in vitro and in vivo tumor assessment. The individual should have extensive experience in tissue culture as well as some experience in the growth of human tumors in xenogeneic models. Experience with orthotopic transplantation would be an asset.

Responsibilities will include managing three to five people in the assessment of drug interactions against human tumors in vitro and in vivo. Some experience in evaluating the mechanism of drug effects on tumor cells as well as a good understanding of cell cycle dynamics is essential.

Supportive skills in other disciplines applicable to Oncology preferred. Industrial experience is not required, but would be an added strength.

Explore your exceptional career opportunities with Wyeth-Ayerst. We offer salaries commensurate with experience, and comprehensive benefits. Please send your resume with salary requirements to: Wyeth-Ayerst Research, Position #1573, 401 Middletown Rd., Pearl River, NY 10965.

Or, you may fax your resume directly into our centralized Research resume database at (610) 989-4854. Principals only. Equal Opportunity Employer, M/F/D/V.
POSTDOCTORAL POSITIONS

HARVARD UNIVERSITY

POSTDOCTORAL POSITIONS are available to study the molecular basis of metabolic disorders, especially insulin resistance and obesity. Projects include: 1) analysis of metabolic pathways of cytheine and cytokinin receptors, 2) analysis of the biological role(s) of fatty acid binding proteins and the mechanisms by which fatty acids regulate gene expression and cytokinin response, and 3) analysis of the microvascular control of lineage commitment and differentiation in cultured adipocytes. These projects are performed on mammalian systems and extensively utilize transgenic and knock-out mouse models as well as cultured cells. Qualified applicants who possess an M.D., Ph.D. or M.D./Ph.D. degree with a strong background in molecular biology should send curriculum vitae and three letters of recommendation to:

Gökhan S. Hotamisligil, M.D., Ph.D.
Harvard School of Public Health
665 Huntington Avenue
Boston, MA 02115
Harvard University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

HIV RESEARCH

POSTDOCTORAL POSITION available immedi- ately to pursue antiretroviral control of HIV replication and immune response. The in vivo re- search is oriented towards designing therapeutic approaches for in vivo use. A Ph.D. or M.D. degree is required and a strong background in research or molecular biology is highly desirable. Send curriculum vitae and names of three references to: Paul Skolnik, M.D., Division of Infectious Diseases, Tufts University-New England Medical Center, 750 Washington Street, NEMCH 67, Boston, MA 02111. FAX: 617-636-7008; Email: paul.skolnik@tufts.edu. New England Medical Center is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITIONS

IN MOLECULAR BIOLOGY

One or more POSTDOCTORAL POSITIONS are available immediately to conduct research on projects funded by NIH, NSF, NASA, and DOE, involving pho- toproteins, single chain antibodies, and periplasmic bind- ing proteins. Demonstrated experience in Molecular Bi- ology (including PCR) is required. Send curriculum vitae and names of three references to: Dr. Sylvia Daunert, Department of Chemistry, University of Kentucky, Lexington, KY 40506. FAX: 606-258-1069; Email: sdaunert@uky.edu.

POSTDOCTORAL POSITION

available immedi- ately to conduct research in Molecular Biology. Techniques being utilized include microinjection, PCR amplification, fluorescent in situ hybridization (FISH), as well as routine molecular biological techniques. This project includes collaboration with members of The Hu- man Genome Project at The University of Texas Health Science Center at San Antonio. Required: Ph.D. with strong background in molecular biology. Experience with cytogenetics and FISH preferable. Send curriculum vitae, description of research training and experience, and names and addresses of three references to: S. Gail Ed- hards, M.D., c/o Personnel Department, Cancer Therapy and Research Center, 8122 Datapoint Drive, Suite 600, San Antonio, TX 78229. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

DEPARTMENT OF ANESTHESIA

Opioid Pharmacology/Pain Therapy

Available immediately, to study opioid analgesic effects, drug interactions and tolerance in animal and human models using pharmacologically based approaches. Doctoral degree with pharmacology/pharmacaceutics background required; training in analytical chemistry (HPLC, GC/MS) and/or toxicological analysis/modelling, small animal surgery, and strong computer skills are highly de- sirable. Send curriculum vitae and names of three refer- ences to: T. H. Kramer, Department of Anesthesia, University of Pennsylvania, 7 Dulles/HUP, 3400 Spruce Street, Philadelphia, PA 19104-4283. Email: KRAMER6@HUP.HUP. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF VIRGINIA

Steroid Receptors-Blood Vessels

POSTDOCTORAL POSITION available to study the expression and regulation of estrogen receptors in human breast cancer tissue and in vitro approaches. U.S. citizenship or permanent residency is required. Send resume and names of three references to: Dr. C. Desvergne, Department of Molecular Cell Biology and Cancer Center, University of Virginia, Charlottesville, VA 22908.

UNIVERSITY OF VIRGINIA

ASSOCIATE SCIENTIST AND POSTDOCTORAL POSITIONS

To work in the laboratory of Dr. Kenneth M. Baker, on G-protein receptor mediated cellular growth and the role of tyrosine phosphorylation in this process. Experience with the angiotensin II type AT1 receptor expressed in cardiovascular cells and stably transfected cell lines, to define the mechanisms of coupling to JAK-STAT and other signaling pathways and the cellular events in gene regulation and cellular growth. Other areas of investigation include the molecular regulation of angiotensin II signaling in mesangial and other two semisynthetic gene models of cardiovascular cells. A Ph.D. and/or M.D. is required with a background and experience in biochemistry, molecular and cellular biology. Salary will be commensurate with education and experience. Send curriculum vitae and letters of interest along with curriculum vitae and three letters of reference to: Geisinger Human Resources (KMB), 100 North Academy Avenue, Danville, PA 17822-1529. Equal Opportunity Employer. Minority/Female/Disabled/Veteran.

ASSOCIATE SCIENTIST

The Division of Gastroenterology at the Ohio State University School of Medicine is inviting applications for two POSTDOCTORAL POSITIONS to commence immediately. The candidates must have a Ph.D. in biochemistry, physiology or molecular biology. Expertise in the following areas is desirable: electrophoresis, protein chemistry, patch clamping, and routine molecular biology techniques such as construction of cDNA and genomic libraries. Please send curriculum vitae and three references to: Linda Graff, Administrator, Room N214 Doan Hall, 410 West 10th Avenue, Columbus, OH 43210, USA.

POSTDOCTORAL POSITION available to partici- pate in two NIH-funded multidisciplinary research projects: gene regulation and the physiological role of brain neuropeptides and neuropeptide transporter gene expression and function. Send curriculum vitae and three letters of reference to: Dr. Michael M. Mitchell, Department of Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, 540 East Canfield, 2309 Scott Hall, Detroit, MI 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION open to study mechanisms of transformation of epithelium to mesenchyme (EMT). Genes that are turned on during EMT in the embryo and during induced EMT in vitro will be identified by microarray hybridization tech- niques and their functions analyzed by transfection of embryonic cells. Previous experience with molecular biol- ogy techniques and a good background in cell and develop- mental biology are highly desirable. Send curriculum vitae to: Dr. Elizabeth Hay, Department of Cell Biol- ogy, Harvard Medical School, 222 Longwood Avenue, Boston, MA 02115. FAX: 617-432-0407.

POSTDOCTORAL POSITIONS

RESEARCH SCIENTIST

The Department of Surgery is seeking candidates to direct a molecular biology laboratory involved in studying the etiology of atherosclerosis and vein graft intimal hyperpla- sia. Specifically, the candidate should have knowledge of the role of platelets and their cytoplasmic receptors, as well as the functions of mural smooth muscle and endo- thelial cells. Knowledge in hemodynamics will also be valuable.

The qualified individual should have a Ph.D. or equiv- alent, at least two to four years’ postdoctoral training, and an excellent publication record. Individual must be inter- ested in working with HUG’s in the development of clini- cally relevant investigatory approaches.

This position is limited to three years, with extension contingent on extramural funding. Send curriculum vitae, description of research goals, and the names, addresses, and telephone numbers of three references to: Dr. John Hoch, Department of Surgery, University of Wiscon- sin, Clinical Science Center H4/730, 600 Highland Avenue, Madison, WI 53792-7375.

POSTDOCTORAL POSITION

Sea Education Association

Nonprofit educational institution seeks a POSTDOCTORAL SCIENTIST to teach oceanography in innovative programs at sea. Undersea courses consist of six weeks of intensive classroom instruction followed by six weeks of teaching on board our sailing re- search vessels: NEFWE Süd and NEFWE Nord. Many courses involve journeys between Newfoundland and the Caribbean. Shorter sem- inar courses are offered to high school students, teachers, and scientists. Projects include oceanographic research, selected seminar programs each year, spend- ing approximately 14 weeks at sea. Ph.D. in marine sci- ence required. The position is available beginning January 1996. A review of applications will begin on November 15, 1995 and will continue until the position is filled. Please send a curriculum vitae and the names and address- es of three references to: Staff Scientist Search Commit- tee, Sea Education Association, P.O. Box 6, Woods Hole, MA 02543. An Equal Opportunity Employer.

NMR SPECTROSCOPY

The Cardiovascular NMR Section at Columbia Univer- sity seeks applicants for the position of POSTDOCTO- RAL RESEARCH SCIENTIST with an M.D. or Ph.D. degree and one to two years of postdoctoral expe- rience in NMR spectroscopy, with interest in becoming involved in studies of perfused hearts and isolated cardiac myocytes. Expertise with NMR studies of cell systems and with multiple quantum NMR is especially desirable. Our current interests are in pursuing multinuclear spectroscopy including proton, sodium, and phosphorus. In addi- tion, the candidate will become involved in multinuclear MR imaging. This is primarily a research position with no clinical responsibilities. Please send curriculum vitae and a brief description of research interests and the names of two references to: Dr. Jose Katz, Division of Cardiology, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University is an Affirmative Ac- tion/Equal Opportunity Employer.

RESEARCH GENETICIST (PLANTS)

USDA, Agricultural Research Service (ARS), National Forage Seed Production Research Center, Corvallis, Or- egon. Conduct research on the genetics, cytophotogenetics, genetics, and breeding of crops to develop new horti- cultural varieties. Produce new hybrid cultivars with improved quality and increased disease and pest resistance. Salary range is $35,578 to $46,141 per annum. This is a term position. For a copy of the announce- ment, please telephone: 503-750-8700. Closing date is October 30, 1995. Open to all U.S. citizens. ARS is an Equal Opportunity/Affirmative Action Employer.

FOOD SCIENCE SPECIALIST

Needed immediately for space food research team to work on sweet potato analysis, product development, sensory evaluation, statistical analyses. HPLC, AA, computer skills and B.S. with research expe- rience minimum. Prefer M.S. or Postdoctoral. Send re- sume and three references to: Dr. Phil Loretan, NASA Center for CELSS, Tuskegee University, Tuskegee, AL 36088. Telephone: (334) 724-0250 or FAX: (334) 724-3351. Women and minorities encouraged to apply.
As the established world leader in gene discovery, HGS has utilized automation and high-throughput DNA sequencing to identify new human genes and analyze patterns of gene expression under defined conditions of cell activation and development. From this rich source of information, our goal is to identify novel human protein pharmaceuticals and drug targets with therapeutic potential for unmet medical needs.

HGS offers an excellent salary and benefits package which includes medical & dental coverage, tuition reimbursement, 401(k) and reduced fee health club membership.

For immediate consideration, please send your curriculum vitae to Human Resource Department, Human Genome Sciences, Inc., Attn: Position ( ), 9410 Key West Avenue, Rockville, MD 20850-3331. An Equal Opportunity Employer.

PHARMACOLOGY

This position primarily involves the development of pre-clinical, small animal models for a wide variety of activities and/or diseases. Candidates will be expected to take proteins with demonstrated desirable in vitro activities and characterize them further both in vitro and in appropriate animal models. Candidates with expertise in small animal models and isolated organ systems involving peripheral neuronal degenerate diseases, wound repair, immunopharmacology and inflammation are encouraged to apply. A willingness to be creative in animal model development is essential. Requires at least 3 years laboratory experience in related fields and demonstrated record of past performance. Ph.D. in related fields such as pharmacology, physiology or immunology is necessary (Position PM-10).

CELL BIOLOGY/SMALL ANIMAL MODELS

Several positions exist for Ph.D./M.D. applicants (5+ years industry experience) with demonstrated expertise in cell biology or molecular pharmacology to conduct studies in small animals with novel therapeutic proteins. Responsibilities include planning and performing experiments using animal models in one or more of the following fields: autoimmunity, chronic inflammation, tissue remodeling or neurodegenerative disease (Position CB-10).

BIOPROCESS SCIENTISTS

Positions are available for individuals to work in our new, state-of-the-art bioprocess development facility. We are looking for experienced process scale scientists for scaling up recombinant protein production in mammalian (and insect) cell culture systems. Responsibilities will include serum-free media development and process optimization for CHO cell cultures and determination of cellular metabolic parameters, especially with regard to nutrient requirements and recombinant protein secretion. Candidates must possess a Ph.D. in biological science or related discipline and have 3+ years industry experience in CHO cell culture and bioreactor systems. Computer skills are essential and knowledge of cGMPs is highly desirable (Position PE-10).

MOLECULAR BIOLOGY and ASSAY DEVELOPMENT

The successful applicant will work with a group of scientists using an extensive cDNA database to discover and characterize novel protein therapeutics and develop cell-based assays for functional analysis of protein candidates. This position requires demonstrated expertise in one or more of the following areas: immunology, inflammation, or cytokine biology. A Ph.D. or M.D. with 3 + years post-graduate experience is required (Position PT-10).
RESEARCH SCIENTISTS
San Francisco Bay Area

ALZA Corporation is a world leader in advanced drug delivery systems technology. Our strong record of scientific achievement has led to the successful development of over 25 marketed drugs and pharmaceutical products. ALZA is growing, and we have a couple of excellent opportunities in our Biological Sciences Department for 2 qualified scientists to help sustain our continuing success.

SKIN INFLAMMATION

This scientist will head a research team investigating mechanisms of skin irritation induced by electrotransport transdermal drug delivery. Special emphasis will be placed on understanding the respective roles of electrical fields and drugs in the generation of cutaneous inflammation and optimization of systems to reduce this effect. The position requires a Ph.D. in biology or bioelectrical engineering and 4-6 years of academic or industrial research experience in skin biology.

CONTACT IRRITATION/SENSITIZATION

This scientist will lead a team investigating molecular and cellular mechanisms of drug induced skin irritation and sensitization with emphasis on mechanisms and approaches to mitigating these responses. The position requires a Ph.D. in biology or immunology and 4-6 years of academic or industrial research experience in skin biology.

BOTH POSITIONS will be responsible for project areas, manage BS & Ph.D. level scientists and require the preparation of written/technical documents, oral presentations and project updates. They will also be expected to present at national scientific meetings and publish meritorious work. A strong, fundamental scientific background and excellent managerial, collaborative, and written/spoken communication skills are essential.

For consideration, please send resume to: ALZA Corporation, HR Dept., Attn: Job# SC106-SH, 950 Page Mill Rd., P.O. Box 10950, Palo Alto, CA 94303-0802. Fax: (415) 494-5151. TDD: (415) 494-5003. Or call our Job Hotline at (415) 494-5319. ALZA is proud to be an Equal Opportunity Employer and welcomes applications from minorities & persons with disabilities.

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**Consortium for Oceanographic Research & Education and the Naval Research Laboratory announce the Postdoctoral Fellowship Program and Distinguished Visiting Scientist Program in Ocean and Atmospheric Science and Technology**

Research opportunities are currently available in:
- Marine Meteorology
- Remote Sensing
- Oceanography
- Ocean Acoustics

Postdoctoral Fellows and Distinguished Visiting Scientists will conduct research at one of three Naval Research Laboratory sites:
- Monterey, CA • Stennis Space Center, MS • Washington, DC

Postdoctoral Fellows will receive an annual stipend of $36,000 plus health benefits. The Fellowship award is for one-year, renewable for one additional year.

The Distinguished Visiting Scientist Program will reimburse the home institution for costs associated with the Distinguished Visiting Scientist’s salary and benefits. The length of the award for Distinguished Visiting Scientists is six months to two years.

Participants in both programs must be U.S. citizens or person who become naturalized U.S. citizens on or before the date their work at the Naval Research Laboratory begins. In addition, participants must hold or be eligible for a Department of Defense security clearance of Secret. Information and application forms are available from:

**CORE/NRL Postdoctoral Fellowship and DVS Programs**
Consortium for Oceanographic Research and Education
1755 Massachusetts Avenue, NW, Suite 800
Washington, DC 20036-2102
tele: (202) 232-3900
fax: (202) 232-8203
e-mail: core@brook.edu

The deadline for applications is March 1, 1996

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**RESEARCH ASSOCIATE, IMMUNOASSAY DEVELOPMENT**
Job #1387-A

Pioneer Hi-Bred International, a world leader in agricultural advances through classical genetics and bioengineering, has a challenging opportunity on the Protein Assay Development Team for a person who can complement the existing technologies of immunoassay development in our group. We are expecting this person to have an in-depth understanding of all aspects of immunoassay development including ELISA, western blots and dot blots. In addition, we are seeking someone who is willing to participate in the assessment of new technologies for rapid immunodetection and protein analysis such as enzymatic assays which lend themselves to automation. The ability and willingness to enhance communication among colleagues within Analytical, Biochemistry and across Crop Departments is considered to be very important. EDUCATION/EXPERIENCE: B.S. degree or equivalent plus 2 years of directly related lab experience; or M.S. degree. Preference will be given to candidates who possess additional years of directly related laboratory experience. Experience in transgenic plant analysis and knowledge of statistics and statistical software will be considered a plus.

Pioneer Hi-Bred International, Inc. is an Equal Employment Opportunity company.

Please send resume, cover letter and three references by October 31, 1995 to:

Pioneer Hi-Bred International, Inc.
ATTN: Dawn M. Meyer, Job# 1387-A
P.O. Box 1004
Johnston, IA 50131-1004
We'd like you to consider a career in general management consulting.

McKinsey & Company is a professional firm that advises senior management of the world's leading organizations on issues of strategy, organization, and operations. Our 3,000 consultants come from a variety of backgrounds - business, law, economics, science, and engineering - but share a common characteristic: all are distinctive in their fields and have the intellectual capabilities and personal qualities to provide outstanding service to our clients.

As an associate at McKinsey, you will become a member of a consulting team (typically 3 to 6 people) and take an active role in all aspects of problem solving. This entails defining the problem, structuring an approach, gathering information, analyzing and synthesizing findings, developing and communicating recommendations, and designing change programs.

In addition to on-the-job learning, McKinsey provides an extensive formal development program - covering subjects from basic consulting skills to leadership - that continues throughout a consultant's career. An individual's development is further enhanced by participating in management research projects and publishing the results, serving as faculty at training programs, and transferring to other McKinsey offices on either a short- or long-term basis.

If you are interested in working side-by-side with the senior managers of important organizations, growing professionally in a stimulating and supportive environment, taking risks and being challenged, and shaping your own career, we would like to talk to you about a career with us.

Send resume to:
Katherine Padgett
McKinsey & Company
55 East 52nd Street
New York, NY 10022

Research Scientist II

Genetic Therapy, Inc. based in the Washington, D.C. area is a leader in the development of human gene therapy products for genetic and acquired diseases. Founded in 1986, GTI and its collaborators represent one of the largest groups of scientists dedicated to research and development in the field. We are seeking a Research Scientist II in our Immunology Department to participate in studies in the field of cancer immunotherapy. The individual will be a member of a team that designs and tests clinically relevant in vivo models for cancer gene therapy. The applicant should have a Ph.D. in a scientific discipline and at least 2 years of relevant research experience; or equivalent. The individual must have a strong scientific background in in vivo tumor modeling and one of the following areas: lymphokine biology, immunology, and/or molecular biology.

GTI offers a stimulating and challenging environment in a rapidly growing company, with competitive salaries and benefits. Fax or send resume to:

Genetic Therapy, Inc.
Attn: 47-051-8/S
938 Clopper Road
Gaithersburg, MD 20878
Fax: (301) 948-0503

Genetic Therapy is an Equal Opportunity Employer
POSTDOCTORAL POSITION IN DNA AUTOMATION

The Measurement Technology Group in the Engineering Sciences & Application Division at Los Alamos National Laboratory is seeking postdoctoral candidates for a new project directed at automating DNA extraction and identification, and sequencing. Procedures and systems will be developed to carry out cell analysis, DNA extraction and purification, polymerase chain reactions, DNA identification, and amplification product confirmation. A background that includes DNA extraction, analysis, bacterial cloning systems, PCR reactions, laser induced florescence and spectroscopy experience is desirable. Experience with laboratory automation and instrumentation development, computer controlled instrumentation, computer-based data analysis, system development, and computer programming is desirable. Applicants should expect to collaborate with automation end users and direct needed engineering resources in self directed projects. For further technical information, contact Dr. John Elling, elling@lanl.gov.

A PhD completed within the last three years or soon to be completed is required. Annual starting salaries range from $41,250 to $44,570, plus a generous and comprehensive benefits package. For consideration: submit TWO COPIES of a resume, publication list, and three letters of recommendation to Postdoctoral Programs, PD65058, MS P290, Los Alamos National Laboratory, Los Alamos, NM, 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505)665-8622. A teletype Device for the Deaf (TDD) is available by calling (505)665-5357.

Los Alamos National Laboratory is operated by the University of California for the US Department of Energy.

CAREERS '95

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Qualified applicants will be reviewed without regard to race, creed, color, age, sex or national origin.
St. Jude Children's Research Hospital, a premier research center for biomedical research, offers postdoctoral fellowship opportunities available in the basic and clinical sciences. Recent M.D., Ph.D., D.V.M., or Pharm.D. fellows are eligible to train with leading scientists in several basic biomedical research laboratories, including biochemistry, experimental oncology, genetics, experimental hematopathology, immunology, molecular pharmacology, tumor cell biology, and virology/molecular biology. Additional opportunities are also available in the clinical sciences, including infectious diseases, hematopathology/oncology, pharmacological sciences, pathology, and laboratory medicine. Fellowship awards are given for up to three years and are based on merit, recommendation, and the promise of a productive career in biomedical research. Stipends are highly competitive.

Applicants should provide a curriculum vitae, including a brief description of their research interests and the three references. These should be forwarded to:

Academic Programs
St. Jude Children's Research Hospital
332 North Lauderdale
Memphis, TN 38105

SJCRH is an Affirmative Action/Equal Opportunity Employer

VIROLOGY

Agouron Pharmaceuticals, Inc. is a cutting-edge leader in the field of protein structure-based drug design. We have an immediate opening for a PhD virologist with an excellent record of scientific achievement to plan and implement research aimed at the discovery, evaluation, and development of novel therapeutic antiviral agents.

The successful applicant will evaluate inhibitors, investigate mechanisms of antiviral action, and participate in the selection of lead compounds. Candidates will need experience in infectious virus cell-based assays and in biochemistry, and the ability to work effectively with multiple-disciplinary teams. Prior experience with HIV, herpesvirus, and hepatitis C infection systems would be advantageous.

We offer competitive salaries and benefits. Please send a résumé to: Human Resources, CODE VR, Agouron Pharmaceuticals, Inc., 10350 N. Torrey Pines Road, Suite 100, La Jolla, CA 92037. EOE.

At Amgen, you’ll discover a research environment that emphasizes collaboration, intellectual honesty, scientific integrity, and a supportive culture. This unique approach has helped us grow into a global biotechnology leader in just fifteen years.

We seek a Computational Scientist to design and develop relational databases and user interface using 4th Dimension or a related GUI product. Additionally, you will work with other members of the Research Applications Development group to convert the database server to Sybase and develop general and specific database tools.

A Ph.D. in the Life Sciences or equivalent familiarity with a number of different lab techniques in molecular/cellular biology and biochemistry are required. You must have 2 years' experience in programming high level language such as C, Fortran or Pascal, and experience working with relational database applications. Qualified candidates must work well in a team environment and be able to respond in a timely manner to emergency calls. Knowledge of sequence alignments and detection of motifs in protein sequences are preferred.

We recognize that diverse perspectives are a key factor in the process of discovery.

At Amgen, you’ll find our approach as rewarding as it is effective. We offer a highly competitive compensation and benefits package. Please mail or fax your résumé to: Amgen, Staffing, Job Code: OXP-SC-3048, Amgen Center, Thousand Oaks, CA 91320-1789. Fax: (805) 499-9981. Please consult our on-line Job Bulletin Board at http://www.bio.com for information on other career opportunities available at Amgen. Principals only, please.

EEO/AA Employer M/F/D/V
The Center for Environmental Sciences and Education seeks applications for a non-tenure-track renewable Lecturer position. The CESE is an interdepartmental, interdisciplinary academic unit at Northern Arizona University, offering a Bachelor's of Science degree in Environmental Sciences.

Applicants must have an earned Ph.D., or equivalent teaching or industrial experience, and a broad-based education in both the life and physical sciences, as well as a solid background in statistics, computer modeling and scientific writing. Opportunities for teaching training courses in mediation techniques, pollution remediation, remote sensing, or related fields may arise. The incumbent will assume a major role in teaching laboratory and field courses as well as manager our Advisement Center and Internship Program. Experience working with a culturally diverse population is preferred.

Assistant Professor of Environmental Sciences

The Center for Environmental Sciences and Education (CESE) seeks applications for a tenure-track Assistant Professor position. The CESE is an interdepartmental, interdisciplinary academic unit at Northern Arizona University, offering a Bachelor’s of Science degree in Environmental Sciences.

All applicants must have an earned Ph.D. and academic and research training in ecology, as well as a solid background in statistics and computer modeling. We seek applicants with sub-specialties in either atmospheric sciences, micrometeorology, biogeochecmistry or restoration ecology. Teaching responsibilities will include undergraduate environmental science and ecology courses, as well as upper division and graduate courses in the applicant’s sub-specialty. Opportunities in interactive instructional television may arise. The incumbent will be expected to seek extramural funding for research, and contribute to education of graduate students. We are looking for a teacher-scholar who can maintain a strong research program while making significant contributions as a teacher in our undergraduate environmental sciences courses. Experience working with a culturally diverse population is preferred.

Applications for these positions should include a letter outlining teaching and research interests, curriculum vitae and names, addresses (including e-mail) and telephone numbers of five references. Send to: Dr. R. Scott Anderson, Search Chair, Center for Environmental Sciences, Box 5694, Northern Arizona University, Flagstaff, AZ 86011. The search will remain open until the position is filled, however, the screening committee will begin reviewing applications on December 1, 1995. Northern Arizona University is a committed Equal Opportunity/Affirmative Action Institution. Minorities, women, persons with disabilities and veterans are strongly encouraged to apply.

CADUS
PHARMACEUTICAL CORPORATION

CELLULAR/MOLECULAR BIOLOGY & BIOCHEMISTRY

Scientists Code: S-S
PhD Scientists with 3-5 years experience (following post-doc) in molecular neurobiology including expression-gene cloning to assist in developing high throughput biosays in our yeast-based platform technology. Opportunities exist to also extend our understanding of receptor/ligand interactions and G-protein coupling using yeast-based systems.

Research Scientists (RS) Code: S-RS
PhDs with post doc experience and background in the molecular and cellular aspects of cell signaling, protein kinases, G-proteins and seven transmembrane receptors to assist in developing high throughput biosays in both our yeast-based and mammalian cell-based platform technologies. This research is also aimed at uncovering novel targets for drug discovery and enhancing our understanding of cell signaling.

Associate Research Scientists (ARS) Code: S-ARS
BS/MS with at least 3 years of experience to join an exciting research team working at the cutting edge of cell signaling. Experience in cellular and molecular biology and biochemistry is required. Experience in gene cloning preferred.

CHEMISTRY

Scientists/RS/ARS Code: S-Chem
PhD/BS/MS level scientists with 1-3 years experience in the synthesis of organic cpds with strong background in chromatographic and spectroscopic techniques (NMR, HPLC, MS). Extensive knowledge of organic chemistry essential with experience in combinatorial methods preferred. Responsibilities include synthesis of novel therapeutic agents and assist in methods development for automated combinatorial synthesis of small organic molecules.

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating collaborative environment. Send CV and List of References to Science Search (please indicate Code) Cadus Pharmaceutical Corporation, 777 Old Sau Mill River Road, Tarrytown, NY 10591-6705.

Cadus is an Equal Opportunity Employer

TARGET DRIVEN TO SUCCESS

Northern Arizona University
LECTURER IN ENVIRONMENTAL SCIENCES

The Center for Environmental Sciences and Education serves as a focal point for environmental education at NAU. The CESE is an interdisciplinary academic unit at Northern Arizona University, offering a Bachelor’s of Science degree in Environmental Sciences.

Applicants must have an earned Ph.D. or equivalent teaching or industrial experience, and a broad-based education in both the life and physical sciences, as well as a solid background in statistics, computer modeling and scientific writing. Opportunities for teaching training courses in mediation techniques, pollution remediation, remote sensing, or related fields may arise. The incumbent will assume a major role in teaching laboratory and field courses as well as manager our Advisement Center and Internship Program. Experience working with a culturally diverse population is preferred.

ASSISTANT PROFESSOR OF ENVIRONMENTAL SCIENCES

The Center for Environmental Sciences and Education (CESE) seeks applications for a tenure-track Assistant Professor position. The CESE is an interdepartmental, interdisciplinary academic unit at Northern Arizona University, offering a Bachelor’s of Science degree in Environmental Sciences.

All applicants must have an earned Ph.D. and academic and research training in ecology, as well as a solid background in statistics and computer modeling. We seek applicants with sub-specialties in either atmospheric sciences, micrometeorology, biogeochecmistry or restoration ecology. Teaching responsibilities will include undergraduate environmental science and ecology courses, as well as upper division and graduate courses in the applicant’s sub-specialty. Opportunities in interactive instructional television may arise. The incumbent will be expected to seek extramural funding for research, and contribute to education of graduate students. We are looking for a teacher-scholar who can maintain a strong research program while making significant contributions as a teacher in our undergraduate environmental sciences courses. Experience working with a culturally diverse population is preferred.

Applications for these positions should include a letter outlining teaching and research interests, curriculum vitae and names, addresses (including e-mail) and telephone numbers of five references. Send to: Dr. R. Scott Anderson, Search Chair, Center for Environmental Sciences & Education, Box 5694, Northern Arizona University, Flagstaff, AZ 86011. The search will remain open until the position is filled, however, the screening committee will begin reviewing applications on December 1, 1995. Northern Arizona University is a committed Equal Opportunity/Affirmative Action Institution. Minorities, women, persons with disabilities and veterans are strongly encouraged to apply.

Dean
School of Public Health and Tropical Medicine
Tulane University Medical Center

The Tulane University Medical Center invites nominations and applications for the position of Dean of its School of Public Health and Tropical Medicine. The Dean, as senior administrative officer of the School, reports to the Chancellor of the Medical Center. The Dean is responsible for the leadership and management of the School of Public Health and Tropical Medicine, which enrolls approximately 600 students, from more than 50 countries. The School has experienced unprecedented growth during the last five years, doubling its student and faculty size and more than doubling its funded research base. Research and training activities are focused on environmental and international health, health administration/policy, and tropical medicine. A Center for Cardiovascular Health was established and current activities include planning for a Center for Women’s Health.

The School is a component of the Tulane University Medical Center, which also includes the School of Medicine, the Regional Primate Research Center, and the Center for Bioenvironmental Research. The Medical Center participates with the Columbia/HCA Hospital System in a joint venture in managing the Tulane Hospital.

The School of Public Health and Tropical Medicine, in collaboration with the rest of the Medical Center, is looking forward to a dynamic future. The successful candidate will guide the School during this exciting time and play a key role in the leadership of the Medical Center.

Qualifications desirable in candidates include an earned doctorate; academic qualifications for appointment at the professorial level; successful teaching, research, and administrative experience; and strong leadership skills, including the ability to foster collaborative, interdisciplinary initiatives with other units of the Medical Center and University.

The position of Dean is available July 1, 1996. Screening of candidates will begin November 15, 1995 and continue until the position is filled. To be considered, submit a current c.v. and names of three references. All correspondence should be addressed to:

Dean’s Search Committee
Tulane University Medical Center
1430 Tulane Avenue - SL76
New Orleans, LA 70112-2699

Tulane University is an Affirmative Action Equal Opportunity Employer
B.S/M.S. Staff Scientist

CARDIOVASCULAR DISEASES RESEARCH

Be at the forefront of drug discovery research with the DuPont Merck Pharmaceutical Company. We have established a team of creative and dynamic scientists to drive our search for novel cardiovascular therapeutics.

We currently have an opening in our Wilmington, Delaware facility. The position includes multidisciplinary responsibilities including in vitro, in vivo and ex vivo determinations of markers of coagulation and thrombosis. Responsibilities will include development, validation and implementation of enzymological and immunological assays, including ELISAs, protein isolation/purification and characterization, and animal experimentation in models of thrombosis.

The selected candidate will have a BS/MS in Biochemistry or Pharmacology with appropriate industrial or academic experience.

DuPont Merck offers a competitive salary and a generous benefits package including 401K plan as well as excellent working conditions and challenging assignments.

Please send a letter of introduction and resume to: Human Resources-S-CVS-1, The DuPont Merck Pharmaceutical Company, P.O. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer M/F/DV.

DU PONT
MERCK
The DuPont Merck Pharmaceutical Company
Merging Strengths...Emerging Opportunities

1996 INTERNATIONAL SYMPOSIUM ON BIOLOGY OF PROSTATE GROWTH
March 28-31, 1996
Washington, D.C. Area

Sponsored by:
National Institute of Diabetes and Digestive and Kidney Diseases
National Institutes of Health

This three-day symposium will focus on the molecular and cellular aspects of the regulation of normal and abnormal prostate growth. Presentations will include morphogenesis and stromal/epithelial cell interaction, extracellular matrix/angiogenesis/proteases, apoptosis/cell cycle, hormone regulation, growth factor regulation, and smooth muscle/endothelial receptors.

Keynote Speakers Include:
- Donald S. Coffey, Ph.D., The Johns Hopkins University School of Medicine
- Judah Folkman, M.D., Harvard Medical School
- John T. Grayhack, M.D., Northwestern University Medical School

Abstracts for the poster session will be accepted; receipt deadline for abstracts is January 10, 1996. CME credits will also be offered.

Contact: Terry LaMotte, c/o Cygnus Corporation, 5640 Nicholson Lane, #300, Rockville, MD 20852, (301) 231-0551, FAX: (301) 231-0621, E-mail: Cygnuscorp@Delphi.com

Pushing the Frontiers of Science.

For over four decades, Los Alamos National Laboratory has challenged the frontiers of science. As one of the largest multi-program national laboratories in the U.S., we are recognized as one of the world’s leading scientific and engineering institutions anywhere.

We're Los Alamos.

Center Leader
Manuel Lujan Jr. Neutron Scattering Center

The selected candidate will be responsible for technical leadership, administrative management and operation of the Manual Lujan Jr. Neutron Scattering Center at the Los Alamos Neutron Science Center (LANSCE). Duties include recruitment and development of scientists and staff; development and implementation of the scientific research program; and development of new scientific instrumentation for neutron scattering. Responsible for carrying out science-based stockpile stewardship experiments that address key materials issues of the nuclear weapons program. Responsible for implementing the DOE/Basic Energy Sciences User program, including interfacing with the program advisory committees and establishing research priorities for the Scattering Center.

Requires a Ph.D. in condensed matter science (solid state physics, materials science, chemistry or structural biology) or equivalent combination of education and experience. Must have a minimum of 10 years experience in neutron or photon scattering techniques at a reactor, pulsed spallation neutron source, or synchrotron x-ray source. Previous successful management experience preferred. Experience with accelerator-based pulsed spallation sources and Q clearance are highly desirable. Must possess demonstrated skills in communicating orally and in writing.

To formally apply for this position, interested candidates should send resume to Staffing Group, MS P286, 951181-95075, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357. Los Alamos National Laboratory is operated by the University of California for the U.S. Department of Energy.

Los Alamos NATIONAL LABORATORY
SCIENTIST BIOINFORMATICS

Affymetrix is developing innovative nucleic acid assays based on its novel DNA-chip technology and will commercialize this technology in the research instrumentation, clinical diagnostic and emerging genetic analysis markets.

The successful candidate will lead a growing program developing and testing critical algorithms necessary to implement new DNA probe array based assays. Applications range from sequence base calling, to expression monitoring, to the relationship between genotype and phenotype. The candidate will work closely with other groups including molecular biology, engineering, chemistry, and product development. The candidate must have a Ph.D. in mathematics, computer science or related field with 3+ years experience in data analysis. Additional experience in software development is necessary. The candidate should be familiar with the basic principles of biochemistry and molecular biology. The ability to work in a multidisciplinary environment applying problem solving skills, biological, and chemical insight to the analysis of complex data is key.

Please send your resume to: Affymetrix, Human Resources Department-Job Code 1101, 3380 Central Expressway, Santa Clara, CA 95051. FAX: (408) 481-0422. EOE.

AFFYMETRIX

UNIVERSITY OF NEBRASKA MEDICAL CENTER

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

FACULTY POSITIONS AVAILABLE

The Department of Biochemistry and Molecular Biology at the University of Nebraska Medical Center invites applications for two tenure-leading positions available as part of a planned expansion and enhancement of current research programs. Preference will be given to candidates employing biochemical, structural and/or molecular biology approaches to investigate fundamental processes in the following areas:

1) Tissue-specific regulation of gene expression
2) Tissue or tumor targeting of DNA and development of tissue-specific viral vectors.

Outstanding applicants in related areas of research are also encouraged to apply. It is expected that appointments will be at the rank of ASSISTANT PROFESSOR. Qualifications include a Ph.D. or M.D. degree and relevant postdoctoral experience. The successful applicant will be expected to have or develop a funded, independent research program and to contribute significantly to the teaching programs of the department.

Collaborative research opportunities exist with the faculty at the UNMC/Eppeley Cancer Center, UNMC Transplant Center, University of Nebraska-Lincoln, Creighton University, and the V.A. Medical Center. UNMC is located in a metropolitan area of more than one-half million people with diverse business, educational, cultural and recreational opportunities.

Applicants should submit curriculum vitae, selected reprints, a brief description of current and future research interests and teaching experience and the names, addresses and telephone numbers of four references to:

Dr. William G. Chaney, Chair
Biochemistry and Molecular Biology Search Committee
University of Nebraska Medical Center
600 South 42nd Street
Omaha, NE 68198-4525

The deadline for receipt of applications is November 20. UNMC is an Equal Opportunity/Affirmative Action Employer. Minorities and Women are Encouraged to Apply.

Career Opportunities in Gene Therapy

Introgen is focused on the development of gene therapeutics for the treatment of cancer. Our initial clinical protocols use p53 gene replacement and R-as antisense expression vectors to treat lung cancer and other human malignancies. We are seeking talented, motivated individuals who are compatible with our aggressive clinical timelines. The following positions are available:

Senior Management
- Medical Director (M.D.) - to design and execute clinical protocols; must have completed fellowship in oncology and have at least 2-3 years experience
- Vice President, Research and Development (Ph.D., M.D., M.D./Ph.D.)

Molecular Virology
Adenoviral and retroviral vector development
- Scientist
- Post-doctoral Scientist

Protein Chemistry/Biochemistry
Protein purification, cell culture, immunological techniques
- Post-doctoral Scientist (cell cycle or related field; basic molecular biology)
- Technician (at least one year of experience required)

Process Development
Viral purification and/or formulation
- Scientist
- Post-doctoral Scientist or Senior Technician

Assay Development
Cell-based biosassays, PCR, FACS, immunohistochemistry, other molecular techniques
- Scientist
- Post-doctoral Scientist or Senior Technician

Molecular Diagnostics
Strong molecular background for analysis of clinical samples
- Senior Technician

Quality Control
Analytical and biological assays
- Laboratory Supervisor (3-5 years biotech QC experience; supervisory experience a plus)

Please indicate the position desired on replies addressed to:

Human Resources
Introgen Therapeutics, Inc.
5000 N. Stadium Dr., Suite 1200
Houston, TX 77054
FAX: (713) 791-8913

The University of ILLINOIS

ASSISTANT PROFESSOR
Microbiology

The Department of Microbiology at the University of Illinois at Urbana-Champaign seeks candidates for a full-time tenure-track faculty position at the Assistant Professor level. Applicants should have a Ph.D. degree, postdoctoral experience, and show exceptional promise in developing an active research program in Microbiology. Preference will be given to applicants with research interests in the physiology, biochemistry, or molecular genetics of microorganisms that further expand the Department's breadth of microbial diversity. Responsibilities include teaching undergraduate and graduate students. Starting date August 1996. Salary will be commensurate with experience.

The Department of Microbiology offers a supportive and collegial atmosphere and a strong graduate program. There are extensive interdepartmental interactions in microbial and eukaryotic cell and molecular biology, immunology, developmental biology, evolution, biochemistry, and biophysics. The University of Illinois at Urbana-Champaign offers an outstanding and exciting academic research environment including a Biotechnology Center and state-of-the-art facilities for hybridoma production, flow cytometry, electron microscopy, X-ray crystallography and computer analyses.

Applicants should submit a curriculum vitae, a description of research interests and future plans and have at least three letters of reference sent to:

Abigail Salyers, Chair
Faculty Search Committee
Department of Microbiology
University of Illinois
131 Burrill Hall
407 S. Goodwin Avenue
Urbana, IL 61801
Telephone (217) 333-1736
FAX (217) 244-6697

To ensure full consideration, applications should be received by December 15, 1995. Interviews may be conducted before the closing date, but no final decision will be made before that time.

The University of Illinois is an Affirmative Action-Equall Opportunity Employer.
ELECTROPHYSIOLOGY

State University should mend recommendations. Equal opportunity applicants are able. The new Molecular Biology Building will be available.

Neurogen is located in Branford Connecticut, close to New Haven. We offer a stimulating intellectual environment and state of the art laboratory facilities. Neurogen has a comprehensive compensation program consisting of competitive salary, equity participation, 401K plan, health and medical programs, as well as relocation assistance.

Interested candidates should send curriculum vitae to Vivienne Formichella, Personnel Department, Neurogen Corporation, 35 Northeast Industrial Road, Branford, CT 06405.

Neurogen Corporation

OPPORTUNITIES IN ELECTROPHYSIOLOGY

MAYO CLINIC
MAYO CANCER CENTER

Associate Director for Cancer Prevention and Control

The NCI-designated Mayo Cancer Center in Rochester, Minnesota, invites applications for Associate Director of Cancer Prevention and Control. Investigators with established research programs in cancer prevention and control and with demonstrated leadership skills are encouraged to apply. The Mayo Clinic provides an outstanding environment for conducting cancer prevention and control research, with particular strengths in epidemiology, biostatistics, and health services research. Interested candidates should submit a letter of application including a statement of research interests, curriculum vitae, bibliography, and list of references to:

James Ingle, M.D.
Associate Director for Clinical Research
Mayo Cancer Center
Mayo Clinic
200 First Street SW
Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity educator and employer.

TWO FACULTY POSITIONS
DEPARTMENT OF BIOCHEMISTRY
AND BIOPHYSICS
IOWA STATE UNIVERSITY

The department seeks to fill two tenure-track appointments at the level of assistant professor. The successful applicants will be expected to develop independent research programs that emphasize biochemical and/or biophysical aspects of important biological problems. Applicants should also have an interest in graduate and undergraduate teaching. Generous start-up funds and space in the new Molecular Biology Building will be available.

Applicants should send a curriculum vitae and description of research accomplishments and interests, and have three letters of recommendation sent to:

Faculty Search Committee
Dr. Robert Thornburg, Chairman
Department of Biochemistry and Biophysics
1210 Molecular Biology Building
Iowa State University
Ames, IA 50011

To ensure full consideration, all materials should be received by January 15, 1996. Iowa State University is an affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are especially encouraged. For additional information about the Department and Iowa State University see: http://molebio.iastate.edu/bbb/html/homepage.htm

NEUROSCIENTIST, BIOCHEMIST, AND IMMUNOLOGIST POSITIONS AVAILABLE AT INTERDISCIPLINARY BIOPHARMACEUTICAL CORP.

Ergo Science Incorporated, a private, established biotechnology/biopharmaceutical company located in the Boston, Massachusetts area, is recruiting neuroscientists, metabolic biochemists, and immunologists to add to its diverse research staff. Our laboratory working structure offers a unique experience for highly motivated, curious, bench top scientists to interact closely with specialists outside their own area of expertise on common projects. This collaborative effort across scientific disciplines allows for an enriching educational experience which fosters personal and communal creativity and ingenuity. Scientists will interact with a multidisciplinary group of organic chemists, cell biologists, endocrinologists, immunologists, molecular biologists, biochemists, neuroscientists, physiologists, zoologists and chronobiologists to study two broad research areas: 1) circadian neuroendocrine regulation of metabolism relating to diabetes and atherosclerosis; and 2) circadian neuroendocrine regulation of immune function as it relates to tumor immunology and autoimmune disease.

Neuroscientist applicants must have a Ph.D. and proven research track record in circadian and hypothalamic neurophysiology. Candidates must also have expertise in molecular biology, electrophysiology recording, microdialysis, receptor assay and/or 2nd messenger analysis techniques to investigate circadian organization of hypothalamic activities regulating metabolism or immunology.

Metabolic Biochemist applicants must have a Ph.D. and proven research track record and specific expertise in lipid and carbohydrate abnormalities associated with insulin resistance in liver and/or muscle tissue. The company is also seeking similarly qualified Lipoprotein Biochemists with expertise in hepatic lipogenesis, reverse cholesterol transport and/or atherogenesis.

Immunologist applicants must have a Ph.D. and specific expertise in tumor immunology with a strong background in tumor antigen biology, in immunotherapy for tumors, and cancer vaccines. Immunologists will interact with neuroendocrinologists and photochemists to develop new treatment strategies for cancer which couple neuroendocrine immunoenhancement with photodynamic therapy of neoplasms utilizing novel photosensitizers to treat metastatic disease. We are also seeking immunologists with expertise in the areas of autoimmune disease and inflammation.

Interested candidates should send a complete curriculum vitae, a brief description of research experience and names of three references to:

Dr. Anthony H. Cincotta
Director of Research
Ergo Science Incorporated
100 First Avenue, 4th Floor
Charlestown, MA 02129-2051
**Blood Research Institute**

The Blood Center of Southeastern Wisconsin

**FACULTY POSITION**

The Blood Research Institute of The Blood Center of Southeastern Wisconsin, an internationally recognized leader in blood-related research, is expanding its research activities, and is actively seeking outstanding individuals working in areas broadly related to the cell and molecular biology of: vascular cells, coagulation, hematopoiesis, immunology, or transplantation. Individuals employing innovative approaches, including the use of transgenic and/or knockout mouse technology, stem cell gene therapy, and other novel molecular techniques are especially encouraged to apply. Candidates should be grant-funded at the national level, currently hold the rank of Assistant or Associate Professor, or equivalent, and be willing to relocate into a spacious, modern, state-of-the-art 50,000 sq. ft. facility surrounded by other nationally recognized scientist with active, well-funded research programs.

The Blood Research Institute is locate on the campus of the Milwaukee Regional Medical Center and is adjacent to the Medical College of Wisconsin. Collaborative research and adjunct faculty appointments at the Medical College are strongly encouraged. Significant opportunities for close affiliation with the developing Genetics Initiative Program are readily available. Interested, qualified individuals should send a CV with a cover letter explaining current research interests and expertise to: Dr. Peter J. Newman, Chair, Genetics Initiative Search Committee, Blood Research Institute, The Blood Center of Southeastern Wisconsin, 638 N. 18th Street, Milwaukee, Wisconsin 53233-2194. Deadline for receipt of applications is December 1, 1995.

The Blood Center of Southeastern Wisconsin is an equal opportunity/affirmative action employer. Minorities and women are encouraged to apply.

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**UNIVERSITY OF PENNSYLVANIA**

Department of Physiology

School of Medicine

The Department of Physiology seeks to fill tenure-track positions, preferably at the Assistant Professor level, in the following research areas:

**Ion Channels**

Applications are encouraged from persons applying molecular biological and biophysical techniques to the study of ion channels.

**Cellular Motility**

Candidates combining biophysical and molecular approaches are especially encouraged to apply.

**Transport Proteins**

Applications are invited from persons combining structure-function analyses and molecular biological techniques in the study of membrane transport proteins.

Please send a *curriculum vitae*, a statement of research interests (specifying one of the areas listed), and two reprints or preprints. Also arrange to have three letters of reference sent to:

**Search Committee**

Department of Physiology

University of Pennsylvania

Philadelphia, PA 19104-6085

Applications from female and minority candidates are particularly encouraged.

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

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**DEPARTMENT OF HUMAN GENETICS**

MEMORIAL SLOAN-KETTERING CANCER CENTER

The Department of Human Genetics at Memorial Sloan-Kettering Cancer Center is inviting applications for a faculty position at a senior level. This new Department has newly refurbished research laboratories on a campus with established outstanding basic research and clinical departments. We are particularly seeking a scientist with experience in positional cloning and interest in applying this experience to the area of cancer genetics.

Investigators (Ph.D., M.D., M.D./Ph.D.) who have a record of productive research in relevant areas are invited to send their *curriculum vitae* and bibliography, along with the names of three references to:

Lucio Luzzato, M.D.
Chairman, Department of Human Genetics

Memorial Sloan-Kettering Cancer Center

1275 York Avenue, New York, NY 10021

An Equal Opportunity/Affirmative Action Employer
FACULTY POSITION
IN ViroLOGY

The Department of Microbiology and Immunology invites applicants for a tenure-track position in virology. Preference will be given to candidates at the Assistant Professor level, but outstanding scientists at a more senior level are encouraged to apply. Applicants committed to a research program that examines fundamental problems in virus-host interactions or viral pathogenesis are preferred, but all areas of virology will be considered.

The successful candidate will contribute to and benefit from association with 1) a strong group of interactive investigators within the department, whose major focus is microbial pathogenesis, and 2) a rich network of collaborators in other departments throughout the medical school and university. Excellent start-up support and laboratory space are available. Applicants should have a well-defined research program with strong potential for external funding and value excellence in teaching.

Send a statement of research plans, teaching interests, curriculum vitae and bibliography and arrange to have at least three letters of reference sent to: Chairperson, Viral Pathogenesis Search Committee, Department of Microbiology, 5641 Medical Sciences II, University of Michigan, Ann Arbor, Michigan 48109-0620. Applications should be received by December 31, 1995. Women and underrepresented minority candidates are especially encouraged to apply. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

BIOINFORMATICS
RESEARCH ANALYST

Merck Research Laboratories, in West Point, Pennsylvania, a world leader in the discovery and development of pharmaceutical and biological products, is expanding its Bioinformatics department to address the need to integrate genome information into the drug discovery process. The Merck bioinformatics department has an established history of research success within the pharmaceutical industry, and is currently coordinating and developing the Merck Gene index as an aspect of the Merck/WashU EST sequencing initiative.

The selected candidate will work as an integral member of drug discovery project teams providing expertise in the areas of sequence analysis and genome informatics. A key concentration will be on the use of sequence information for new gene discovery, in conjunction with the developing Human Genetics program. Other opportunities include working with the bioinformatics deployed staff to integrate bioinformatics research into broad project areas, and independent research in informatics. The successful candidate will be an expert at the application of sequence and genome analyses to biological problems, and will interact with the existing software development group to develop new analyses and systems specific to pharmaceuticals research. A Ph.D. in Biochemistry, Molecular Biology or equivalent, Genetics, with 3 to 5 years post-doctoral experience is desired. Excellent communications skills, the ability to function effectively in a multi-disciplinary environment, and experience performing sequence analysis are essential. A background in genome sequence and expressed sequence analysis is desirable.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send curriculum vitae with cover letter to: Personnel Manager, Ad #B-29, MRL, Human Resources, WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. EEO/AA/V/Employer.
Programme Leaders

1. Production Systems Research, Vacancy No. INT/004/95
2. Animal Health Improvement, Vacancy No. INT/005/95

General: The International Livestock Research Institute (ILRI), founded in 1994, incorporates the former International Laboratory for Research on Animal Diseases (ILRAD, Kenya) and the International Livestock Centre for Africa (ILCA, Ethiopia). ILRI, a non-profit-making institute, is sponsored by the Consultative Group on International Agricultural Research (CGIAR). The global mandate of ILRI is to undertake research to enhance the role of livestock in sustainable, agricultural production systems in Africa, Asia and the Latin American/Caribbean region. Six programme areas address Conservation of Biodiversity, Production Systems Research, Utilisation of Tropical Feed Resources, Animal Health Improvement, Livestock Policy Analysis and Strengthening National Agricultural Research Systems. ILRI employs approximately 80 internationally recruited scientists, 20 postdoctoral associates and 800 programme support staff based in the institute’s two campuses in Nairobi, Kenya and Addis Ababa, Ethiopia and at field sites in Niger, Nigeria, Burkina Faso and Zimbabwe. In 1996 scientists will be posted in Asia and Latin America.

Positions: ILRI seeks Leaders for the Production Systems Research and Animal Health Improvement programmes. The successful candidates will, in addition to continuing their own research, be responsible for (a) managing priority setting and development of project and programme plans, budgets and reports, (b) managing scientific and support personnel contributing to the programme and (c) serving on the Programme Management Committee chaired by the Director General to evaluate new project proposals and annual work plans and allocate resources among programmes.

Qualifications: The Leader of the Animal Health Improvement Programme, who will be based in Nairobi, will be a scientist with an established reputation in research on tropical veterinary diseases. Research management experience in developing countries will be expected. Animal health improvement research at ILRI investigates the genetics of tropical disease resistance and aims to develop and implement use of tropical disease control technologies. ILRI’s current research in these areas emphasises vaccine development for tick-borne diseases of livestock (focusing on East Coast fever caused by Theileria parva), novel control methods for trypanosomiasis (including exploiting genetic resistance of cattle) and the genetic resistance of small ruminants to helminthiasis. Research is conducted primarily in modern laboratory facilities at the Nairobi Campus and at field sites in East and West Africa. There are extensive links with biomedical and other research laboratories in developed countries. Managing these linkages, and approximately 35 senior and postdoctoral scientists and 190 technical staff, will be major elements of the Programme Leader’s responsibilities. The Programme Leader will be expected to lead expansion of the Animal Health Improvement Programme to major regions outside Africa.

The Leader of the Production Systems Research Programme, who will be based in Addis Ababa, will have an established record of successful production systems research and research management in developing countries. The Production Systems Research Programme currently includes two components: (a) model-based systems analysis and impact assessment, and (b) field based crop-livestock systems research. These research areas are addressed by interdisciplinary teams of biologists, socioeconomists and environmentalists based in West Africa (Niger and Nigeria) and East Africa (Kenya and Ethiopia). Beginning in 1996. The Programme Leader will lead development of production systems research in Asia, Latin America and North Africa.

Applicants for both positions should have a doctorate in an appropriate discipline, a minimum of ten years postdoctoral research experience and a successful background in research management. Qualifications and experience should be supported by a proven record of scientific achievement. The successful candidate will have demonstrated ability in the preparation and presentation of research budgets, plans, annual and other reports, possess excellent verbal and written communication skills, and have experience of working in an interdisciplinary and multicultural environment. Candidates should be fluent in English; skills in other languages, particularly French, will be an advantage.

Conditions: The initial contract will be for three years and may be renewed. ILRI offers internationally competitive terms of service. Salaries are paid in US dollars. Relocation, housing, annual leave travel and education allowances are provided in addition to generous pension and insurance benefits. The large Nairobi and Addis Ababa campuses are both set in attractive surroundings on the outskirts of the cities within a short drive to shops, restaurants and schools. Dining and sports facilities, including swimming pool, squash and tennis courts, are located on both sites. Dependent upon availability, on-site accommodation in fully furnished modern houses may be offered. ILRI campuses also house large libraries subscribing to several hundred journals in both paper and electronic formats; the latter are accessed by all staff through an extensive LAN. Internet access is available in Nairobi and will be provided in Addis Ababa.

Application: Applicants should send a statement of interests, a curriculum vitae, photocopies of supporting documents, date of availability and the names and addresses (including telephone/fax/e-mail) of three referees who are knowledgeable about the professional qualifications for the position to: Director General, ILRI, PO Box 30709, Nairobi, Kenya; telephone: 254 2 630743; fax: 254 2 631499; e-mail: ILRI-Kenya@cgenet.com. Screening of applicants for both positions will begin 25 October 1995 and continue until the positions are filled.

Systems Analyst: Vacancy No. INT/003/95

Position: ILRI seeks a Senior Systems Analyst to work in an interdisciplinary impact assessment team. The team of international research scientists currently is identifying the socioeconomic, agroecological and biophysical constraints to, and opportunities for, increased livestock production, and assessing the ex-ante and ex-post impacts of their alleviation, in particular through the application of new technologies and other research-generated interventions.

The successful candidate, who will be based in Nairobi, Kenya, will be responsible for research on priority setting within the institute. This will involve ex-ante and ex-post quantitative evaluation of the social, economic and environmental impacts of different constraints to livestock production on a global basis and predicting the returns to research into these constraints in terms of enhanced agricultural productivity, poverty alleviation and natural resource management.

Qualifications: Applicants should have a doctorate in a social or natural science discipline and a minimum of five years experience in quantitative modelling and agricultural systems analysis. Qualifications and experience should be substantiated by a proven record of scientific achievement. Candidates experienced in quantifying the impacts of new technologies in human welfare and environmental terms will be preferred. Excellent verbal and written communication skills and a demonstrated ability to work in an interdisciplinary and multicultural environment are required. The successful candidate will be fluent in English; skills in other languages, particularly French, will be an advantage.

Conditions: The initial contract will be for three years and may be renewed. ILRI offers internationally competitive terms of service. Relocation, housing, annual leave travel and education allowances are provided in addition to generous pension and insurance benefits.

Application: Applicants should send a statement of interests, curriculum vitae, photocopies of supporting documents, date of availability and the names and addresses (including telephone/fax/e-mail) of three referees who are knowledgeable about the professional qualifications required for the position to: Director General, ILRI, PO Box 30709, Nairobi, Kenya; telephone: 254 2 630743; fax: 254 2 631499; e-mail: ILRI-Kenya@cgenet.com. Screening of applicants will begin 25 October 1995 and continue until the position is filled.

ILRI is an equal opportunity employer
CROP PHYSIOLOGIST POSITION

BEAN PROGRAM, CIAT HEADQUARTERS

CROP PHYSIOLOGIST. The International Center for Tropical Agriculture (CIAT, its Spanish acronym) seeks a crop physiologist to be based at its headquarters in Cali, Colombia. Under the supervision of the leader of CIAT’s Bean Program, this person will work with a multidisciplinary team to increase the productivity of common bean (Phaseolus vulgaris), with emphasis on crop improvement. Key aims of the research will be to improve the adaptation of beans to water deficit and low soil fertility, elucidate photoperiod/temperature interactions, and increase yield potential. The physiologist will identify plant traits and mechanisms, with a view to improving breeding methodologies, and continue on-going work with crop simulation models, such as BEANRO. In addition to working closely with bean breeders at headquarters, he/she will conduct research and provide technical assistance in support of research staff in Latin America and Africa. The physiologist will also produce technical reports and training materials, strengthen the research capacity of national programs through training and collaborative research, cooperate with other advanced research organizations, and participate in selected cross-center activities. Requirements are a Ph.D. in the biological or agricultural science, with specialization in crop stress physiology; familiarity with plant breeding and genetics; proficiency in statistical analysis and computers; willingness to travel internationally; and an ability to write and speak fluently in English. A knowledge of Spanish is desirable. CIAT offers an internationally competitive salary paid in US dollars, plus a benefits package. Applicants should send their curriculum vitae and the names of three referees (with addresses and telephone, fax, and/or e-mail numbers) to Dr. Rupert Best, Acting Deputy Director General for Research, CIAT, A.A. 6713, Cali, Colombia (Fax: 57/2/445-0273; e-mail: R.Best@CGNET.COM). The closing date for this position is 15 November 1995.
University of Newcastle upon Tyne

CHAIR OF MARINE DESIGN AND CONSTRUCTION AND
LLOYD'S REGISTER CHAIR OF OFFSHORE ENGINEERING

Applications are invited for the Chair of Marine Design and Construction and the Lloyd's Register Chair of Offshore Engineering. Both appointments will be held in the Department of Marine Technology within the Faculty of Engineering.

Applicants for the Chair of Marine Design and Construction should be professionally qualified engineers with a fundamental understanding of engineering as applied to the broad spectrum of marine technology. This should be augmented by first hand experience of the industry in any of the following areas: surface ship design and/or construction; aspects of floating body design and development; marine structures.

Applicants for the Lloyd's Register Chair of Offshore Engineering should be professionally qualified engineers with wide knowledge of all aspects of offshore technology, its demands and its future developments. Applications will be welcomed from candidates with specific experience in the design, development and construction of surface and subsea systems.

Candidates for both Chairs must be able to demonstrate an established record of innovation and achievement, together with the academic and managerial leadership skills necessary to take a prominent role in the co-ordination of the Department’s research activities and the development of its long term research strategy. It is expected that one of the appointees will assume the headship of the Department in due course.

Salary will be at an appropriate point in the professorial salary range.

Further particulars may be obtained from the Registrar, University of Newcastle, 6 Kensington Terrace, Newcastle upon Tyne NE1 7RU, with whom applications, together with the names and addresses of three referees, should be lodged not later than 25 October 1995. Please quote ref: 2606/S.

Committed to Equal Opportunities
Dedicated to excellence in teaching and research

Molecular Biosystems, Inc., a leader in the development of ultrasound imaging agents, currently has employment opportunities available for the following areas.

Technical Development Scientist

Responsible for leading group of scientists with responsibilities for supporting current manufacturing operations and effecting technology transfer from pilot plant to manufacture. Must have aseptic processing experience, working knowledge of GMPs and safety awareness in the pharmaceutical industry. BS/MS with up to 15 yrs experience or PhD w/up to 5 yrs development experience. XInt communication, interpersonal skills and problem solving ability.

Product Development Scientist

Resp for analytical methods development & validation for ultrasound contrast agents. PhD in Analytical Chemistry w/5+ yrs biochemical chemistry experience in the pharmaceutical industry. Experience in protein biochemistry a must. Must have experience w/contributing to regulatory submissions, GMPs & GLPs.

Please submit resume to: Molecular Biosystems, Inc. HR Dept. A36-96, 10030 Barnes Canyon Road, San Diego, CA 92121. EOE

Center for Molecular Medicine
Institute of Biotechnology
Department of Cellular and Structural Biology
The University of Texas Health Science Center at San Antonio

The Center/Institute invites applications for two tenure-track faculty positions at the Assistant Professor level. While outstanding researchers in all areas of eukaryotic molecular and cellular biology will be considered, expertise in the following fields is of particular interest: extracellular matrix, adhesion molecules, growth factors and receptors, and signal transduction. Applicants should have a Ph.D. or M.D. degree with sufficient postdoctoral experience. The positions provide exceptionally competitive salaries, generous start-up funds and laboratory space in the highly interactive and modern research environment provided by the Center, which is housed in the recently constructed Institute of Biotechnology (see Nature, Vol. 357, No. 6380).

Interested individuals should send a curriculum vitae, a statement of research accomplishments and objectives, reprints of recent articles and names and addresses of three references preferably by December 1, 1995 to:

Dr. Paul D. Gardner
Center for Molecular Medicine /Institute of Biotechnology
The University of Texas Health Science Center at San Antonio
15355 Lambda Drive
San Antonio, Texas 78245-3207

The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.
STRUCTURAL BIOLOGY PROGRAM
Mount Sinai School of Medicine.

A structural biology program centered on X-Ray Crystallography and high resolution NMR Spectroscopy is being established at the Mount Sinai School of Medicine.

The program will be housed in Mount Sinai's new research facility, and consist of several independent research groups comprising senior and junior faculty with research interests in these areas. The specialized and general research laboratories, including computation for the structural biology program will occupy a floor of the new building. Substantial support is available for equipment and start up costs. We seek candidates with outstanding records of accomplishment for faculty positions at the ranks of Professor, Associate Professor and Assistant Professor. Applicants with research interests and expertise in the study of biomolecular structure and function should demonstrate exceptional promise for active independent research programs, and where appropriate, documented ability to attract and maintain peer-reviewed grant support.

Please send applications including curriculum vitae, a statement of background and future research plans, and the names of at least three references to: Dr. Harel Weinstein, Chair, Structural Biology Committee, Department of Physiology and Biophysics, Box 1218, Mount Sinai School of Medicine, One Gustave Levy Place, New York, NY 10029-6574. An equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

RESEARCH SCIENTIST Fermentation Group

NSC Technologies, a business unit of Monsanto, is committed to developing fine chemicals for the life sciences industry. We have an exceptional opportunity for a Research Scientist in our Fermentation Process Development Group.

The individual in this position will be responsible for applying strain improvement, culture characterization, process development and scale-up techniques to independently formulate scientific project plans. Team oriented strategies will be directed toward producing targeted compounds by fermentation and/or biocconversion processes. Project plan execution will utilize skills in managing interactions among various disciplines and coordinating activities at manufacturing facilities.

The desired candidate will have a Ph.D. in Microbiology/Biochemistry or related field with 2-3 years of industrial experience or an MS with 5+ years of industrial experience. Practical knowledge of fermentation processes and the application of biotechnology to the production of key metabolites are also required. Supervisory experience is essential.

We offer an excellent salary and benefits package, as well as career challenges and rewards at our R&D facility in suburban Chicago. For consideration, please send your resume to Human Resources, Dept. RR-RSF, NSC Technologies, 1751 Lake Cook Road, Deerfield, IL 60015-5239. An Equal Opportunity Employer.
Allegheny-Singer Research Institute
Medical College of Pennsylvania and Hahnemann University
Director, Genetic Core Resource Laboratories

The Department of Human Genetics of the Allegheny-Singer Research Institute (ASRI) in Pittsburgh is establishing new facilities for nucleotide sequencing, oligonucleotide synthesis, cell culture and preservation, linkage analysis, and informatics. These laboratories will serve as resources for the Department, the other research centers within ASRI, all of the basic science departments of the Medical College of Pennsylvania and Hahnemann University in Pittsburgh and Philadelphia, and the multiple tertiary-care, academic hospitals of the Allegheny Health, Education and Research Foundation.

The Director will be responsible for the overall administration of the component units, the recruitment, training and retention of technical and administrative staff, quality control of the operations, marketing services, and assisting biomedical investigators with a wide range of research initiatives in using core genetic laboratory services appropriately.

The successful candidate will:
- have an earned doctorate in a biologic science or medicine;
- have a record of current, independent, productive investigation in human genetics, cell biology or molecular biology;
- have demonstrated ability to organize and administer the scientific, technical, personnel and financial aspects of laboratory investigation;
- have excellent communication, teaching and interpersonal skills; and,
- be well versed in computer hardware and software, including genetic databases, nucleotide sequence analysis, linkage analysis, and management programs.

The Director will be eligible for:
- an excellent salary and benefit package, laboratory space for independent research and access to internal ASRI research funding; and,
- appointment as a tenure-track faculty member in the Department of Human Genetics in the university, at a level commensurate with accomplishment.

The position is currently available. Interested applicants should send in confidence a statement of interest, current research program and funding and a curriculum vitae to: Reed Edwin Pyeritz, M.D., Ph.D., Chair, Department of Human Genetics, ASRI, 320 E. North Ave., Pittsburgh, PA 15212-4772.

ASRI is an equal opportunity employer.

Know exactly where you’re going?

WAYNE STATE UNIVERSITY
The Department of Biological Sciences offers graduate programs leading to the Ph.D. degrees in:

Ecology and Evolutionary Biology,
Regulatory Biology and Biophysics,
Cellular and Developmental Biology,
Microbiology and Molecular Genetics.

Wayne State University - People working together to provide quality services. Wayne State University is an equal opportunity/affirmative action employer 9/95.

Wayne State University
(313) 577-2876
ARIAD Pharmaceuticals combines the most recent advances in molecular cell biology with combinatorial chemistry and structure-based drug design to develop small-molecule drugs that selectively target intracellular communication pathways. We are seeking highly motivated and team-oriented scientists to participate in our newly expanded programs in signal transduction, drug discovery, and gene therapy.

**PH.D. RESEARCH SCIENTISTS**

**CELL BIOLOGIST**

The successful candidate will direct the cell-based assay group, which is responsible for the evaluation of novel compounds in a variety of cellular assays, development of new assays, and optimization of existing assays for high-throughput screening. The position requires 3-5 years of relevant industry and/or academic experience and knowledge of mammalian and yeast cell culture. Prior industry experience, especially as part of a cellular assay group, would be beneficial. Dept. MZ-CB.

**PROTEIN BIOCHEMIST**

The successful candidate will direct the protein purification and production group, which is responsible for fermentation and purification of recombinant proteins for use in in vitro assays. The position requires 3-5 years of relevant industry and/or academic experience, including large-scale purification of recombinantly expressed proteins. Prior industry experience, especially working with structural biology or high-throughput screening groups, would be beneficial. Dept. MZ-PP.

**PROTEIN ENZYMOLoGIST**

The successful candidate will be responsible for establishing assays to screen for selective tyrosine kinase inhibitors, performing kinetic analysis of inhibitors, and production of purified enzymes. The position requires 1-3 years of relevant industry and/or academic experience. Dept. MZ-EZ.

**RESEARCH ASSOCIATES**

**MOLECULAR BIOLOGIST**

The successful candidate will join the gene therapy group, which is developing technology for small-molecule control of gene expression in the context of gene therapy. Responsibilities include DNA sequencing, mammalian cell culture, transfection, and enzymatic and ligand-binding assays. The position requires a Bachelor's degree and at least 1 year of laboratory experience in recombinant DNA methodologies or mammalian cell culture. Dept. MG-RA.

**PROTEIN BIOCHEMIST**

The successful candidate will join the protein purification and production group. Responsibilities include purification of proteins for structural analysis and binding assays. The position requires a Bachelor's degree and at least 1 year of laboratory experience in protein biochemistry. Dept. MZ-RA.

**MEDICINAL CHEMIST**

The successful candidate will join the new lead discovery group. The position requires a B.S. or M.S. in chemistry and at least 1 year of experience in organic synthesis. Prior pharmaceutical experience in medicinal chemistry would be desirable. Dept. DH-RA.

**SCIENTIFIC COMPUTING AND BIOINFORMATICS**

The successful candidate will be responsible for development, implementation, and support of scientific computing systems. This includes management of robotic and laboratory automation systems and support of the TCP-IP network, as well as database management and software development for combinatorial chemistry. The position requires experience in bioinformatics, UNIX, and TCP-IP. Prior industry experience, especially in the area of high-throughput screening and robotics, would be highly desirable. Dept. EA-SCB.

ARIAD offers a competitive salary and benefits package including incentive stock participation. Interested individuals should send a curriculum vitae to: ARIAD Pharmaceuticals, Inc., Human Resources, Dept. MZ-CB, 26 Landsdowne Street, Cambridge, MA 02139. ARIAD is an equal opportunity employer.

**CELL GENESYS**

Cell Genesys is challenging the limits of what has previously been possible in human therapeutic product development. As a leading research and development company, we are genetically engineering the human immune system to create innovative therapies for serious diseases. Using gene therapy technology to produce human T cell therapies and transgenic technology to produce human monoclonal antibodies, our scientists are developing new approaches to the treatment of viral infections, cancer and other diseases. If you'd like to help advance our gene therapy technology, we invite you to join us and contribute to our efforts in the beautiful San Francisco Bay Area.

**CELL CULTURE - ASSOCIATE SCIENTIST**

You will be responsible for optimizing and selecting genetically engineered and vector-producing cell lines. This will involve working closely with Molecular Biology and Process Development to select cell lines with optimum production characteristics. You will also support cell banking activities and generate reports for regulatory submission. Along with a Ph.D., you will need 1-3 years in a relevant industrial setting with a proven background in cell culture and cell line selection and familiarity with molecular biology.

**ASSAY DEVELOPMENT - SCIENTIST**

You'll implement, perform and validate cellular immunological assays, including CTL assays and lymphokine release assays, for product development. We require a Ph.D. in cell biology, immunology or a related area with 2-4 years of experience performing cellular immunology assays with a biotechnology company. We will also consider those with a B.S./M.S. degree and 4-8 years' cellular immunology experience. Strong analytical abilities, plus good problem-solving and communications skills are musts.

**IMMUNOLOGY - SR. RESEARCH ASSOCIATE**

As a core member of our cellular immunology group in the Xenotech Division, you will develop and implement various in vitro immunological and biological assays for characterization of monoclonal antibodies. We require a B.S. or M.S. degree in immunology, cell biology or related field with at least 5 years' research experience. Demonstrated skills and experience in cell culture, immunological and bioassay development, cell line analysis, and basic molecular biology techniques are also required. Prior animal handling background and experience developing animal models of disease are preferred.

Cell Genesys is dedicated to developing important human healthcare products in two areas: gene therapy and human monoclonal antibodies. We are equal opportunity employer.
The position is available.

Interested applicants should send a Curriculum Vitae, a statement of interest, current research program, and a list of three references to: Department of Molecular Genetics, ASRI, 320 E. North Ave., Pittsburgh, PA 15212-4772.

ASRI is an Equal Opportunity Employer.

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**Structural Biology Positions**

UC Davis is expanding research and teaching programs in the area of structural biology. The coordinated recruitment of 4-5 new faculty members is expected over the next 2-3 years. Two tenure-track positions at the assistant professor level are now open for recruitment, one in the Department of Chemistry and one in the Section of Molecular and Cellular Biology, Division of Biological Sciences. Each position has been advertised separately and a brief summary is provided below. Candidates are encouraged to apply for either or both position(s) and are expected to have exceptional promise for active, independent research programs and for teaching.

**Department of Chemistry:** X-ray crystallographer with research interests in the area of biological macromolecules, broadly defined to include proteins, nucleic acids, membrane assemblies, and other complex natural structures. Applicants must send a curriculum vitae, a summary of research objectives, and the names, addresses, and fax numbers of three references to: Faculty Search Committee - X-Ray Recruitment Committee - 83, Room 108, Chemistry Dept., University of California, Davis, CA 95616.

**Section of Molecular and Cellular Biology:** Structural biologist interested in solving fundamental problems in biology using high resolution structural techniques. Candidates could complement the Section’s strengths in protein-nucleic acid interactions, enzymology, the cytoskeleton and cell function, signal transduction, and molecular mechanisms of development. Candidates will be expected to teach biochemistry at the undergraduate and graduate level. Applicants should submit a curriculum vitae, a statement of current and proposed research, a statement of teaching experience and/or interests, and arrange to have three letters of recommendation sent to: Dr. J. Clark Lagarias, Chair, Search Committee, Section of Molecular and Cellular Biology, University of California, Davis, CA 95616.

Both positions are open until filled, but application materials should be received by October 31, 1995 to be assured full consideration. The University of California, Davis, is an affirmative action/equal opportunity employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences based on gender, cultural ethnicity, disability, and sexual orientation. In that spirit, we are particularly interested in receiving applications from individuals who would enhance the diversity of our workforce.
Allegheny-Singer Research Institute
Medical College of Pennsylvania and Hahnemann University

Hereditary Susceptibility to Neoplasia

The Allegheny-Singer Research Institute (ASRI) in Pittsburgh is establishing a system-wide program in hereditary susceptibility to neoplasia. This program will focus on the following activities:

- Provide the clinical expertise in medical genetics consultative and laboratory services necessary to identify individuals at especially high risk for developing neoplasia on account of inherited mutations;
- Expand the expertise in cancer cytogenetics in both hematological and solid tumors to serve both clinical and research requirements;
- Initiate a laboratory of molecular diagnosis that will have a major focus in cancer; this laboratory will augment existing expertise in the Department of Human Genetics;
- Develop research initiatives that include, but are not limited to:
  - basic research on the etiology and pathogenesis of cancer
  - pre-clinical testing of new molecular markers of susceptibility
  - identifying molecular markers predictive of prognosis, response to specific treatments, etc.
  - exploration of the ethical, social, legal and psychological implications of presymptomatic detection of a substantially elevated risk of neoplasia; and
- Participate in educating AHERF and community health professionals about the genetic basis of neoplasia and the appropriate use of molecular markers in clinical practice.

This program will collaborate extensively with the National Surgical Adjuvant Breast and Bowel Project (NSABP) of the National Cancer Institute, now directed by Dr. Norman Wollmark of Allegheny General Hospital.

Multiple faculty positions are available to highly skilled and motivated basic scientists and physician scientists. An excellent package of laboratory space, start-up support, salary, and access to competitive internal research funding is offered. The successful applicants will be expected to attract substantial external research funding and to be eligible for appointment at the assistant or associate professor level, in the Division of Human Oncology, or the relevant clinical department in the Medical College of Pennsylvania and Hahnemann University. The investigators will be expected to train postdoctoral fellows and graduate students in the interdepartmental molecular and cell biology program.

The positions are currently available. Interested applicants should send, in confidence, a statement of interest, current research program and funding and a curriculum vitae to: Reed Edwin Pyeritz, M.D., Ph.D., Chair, Department of Human Genetics, ASRI, 320 E. North Ave., Pittsburgh, PA 15212-4772.

ASRI is an equal opportunity employer.
Wayne State University

ASSISTANT/ASSOCIATE PROFESSOR OF ANATOMY AND CELL BIOLOGY

The Department of Anatomy and Cell Biology, Wayne State University School of Medicine invites applications for two tenure track positions at the Assistant/Associate Professor level. For one position, the Department seeks an individual whose interests complement the research foci of the Department in visual science/neuroscience. Applications are invited from candidates with expertise in molecular or cellular biology. For the second tenure track position to be held jointly in the Departments of Anatomy and Cell Biology and Ophthalmology, the Departments seek a candidate whose research is focused in the area of molecular biology/genetics of ocular diseases. The successful candidates will be expected to have or to establish a well-funded, independent research program and to participate in teaching. Excellent start up funds and laboratory space are available and collaboration is fostered by a Core Vision Grant. Applicants should have a Ph.D. or M.D. degree and postdoctoral experience. The Search Committee will accept applications until the positions are filled. Candidates should submit a current CV, letter, curriculum vitae and the names of three references to: Linda Hazlett, Ph.D., Chair, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, 540 East Canfield, Detroit, MI 48201.

Wayne State University is an equal opportunity/affirmative action employer. People working together to provide quality service. All buildings, structures and vehicles at WSU are smoke-free.

NORTH AMERICAN VACCINE, INC., a rapidly expanding company dedicated to the research, development and manufacturing of vaccines, has immediate openings within our Research and Development department.

Director, Department of Molecular Biology
Candidates should possess a Ph.D. in Molecular Biology, Biochemistry or a related field. Extensive knowledge in microbial gene expression is essential. Established leadership, organizational and communication skills are required. Position # 831-F

Director, Department of Protein Chemistry
Candidates should possess a Ph.D. in Biochemistry or a related field. Knowledge in protein chemistry and demonstrated ability of leadership, organizational, and communication skills are required. Position #825-H

Scientist/Senior Scientist, Department of Protein Chemistry
Candidates should possess a Ph.D. in Chemistry, Biochemistry or a related field. Knowledge in all aspects of protein isolation and characterization with two+ years of postdoctoral experience required. Excellent verbal and written communication skills are essential. Position #825-G

Scientist/Senior Scientist, Department of Molecular Biology
Candidates should possess a Ph.D. in Molecular Biology, Biochemistry or a related field. Knowledge in microbial gene expression with two+ years of postdoctoral experience is required. Excellent verbal and written communication skills are essential. Position #831-E

We are located in Beltsville, Maryland 20 minutes north of Washington, D.C. and offer competitive salaries and benefits. Interested individuals should send a curriculum vitae indicating position number to:

North American Vaccine, Inc.
C/O AMVAX, Inc.
Human Resources Manager
12103 Indian Creek Court
Beltsville, MD. 20705-4223
Fax: (301) 470-6198

EOE/AA

Desert Research Institute

Desert Research Institute
Reno, NV

Post-Doctoral Research Associate
One-Year Appointment

Assists in developing new air quality research areas and sampling and analysis methods for atmospheric pollutants, participates in field measurement programs, conducts microcomputer-based analysis of air quality and meteorological data and prepares journal articles, reports and proposals. Requires Ph.D. in environmental science, physics, engineering or chemistry from accredited university; previous experience performing duties similar to above; proficiency in FoxPro, Excel, Harvard Freelance Graphics and Word 8.0; demonstrable written/oral communication and human relations skills. Previous publications, successful proposal preparation and prior industrial or government transfer experience desirable. Salary commensurate with qualifications and experience. Excellent benefits package. Review of applications begins 11/17/95 and continues until position is filled. Send resume, one-page narrative describing your qualifications meet position requirements and names, addresses and phone numbers of 3 references to: Recruitment Office, Desert Research Institute, University & Community College System of Nevada, P.O. Box 19040, Las Vegas, NV 89132-0640. Affirmative Action/Equal Opportunity Employer.

Celox Laboratories, Inc., located 10 minutes from Minneapolis, specializes in improving the physiological condition of human cells and cells from other species. As a pioneer in non-serum products, Celox's technology continues to provide critical insight to all aspects of cell biology. Our continued growth has created the following positions.

Director of Business Development
The selected candidate will lead a multi-disciplinary team of professionals providing a complete cell biology program to manufacturers of biologicals. Candidate must have a BS/MS in the Life Sciences and 7-10 years experience in cell culture, process development and cGMP's. Excellent interpersonal, managerial, verbal communication and writing skills are essential. Sales and Marketing experience a plus.

Cell Biology Scientist
Candidates must possess a M.S/PhD in Biological Sciences and have 3-5 years industry experience. Selected candidate will be responsible for basic research in cell physiology, cryobiology, technical support and supervision.

Celox offers a salary commensurate with experience and a competitive benefits package including stock options. For consideration, please send your resume, salary history and four references to:

Celox Laboratories, Inc.
856 South Fifth street
Hopkins, MN 55343

Tenure-Track Position in Eukaryotic Virology

The Department of Microbiology and Molecular Genetics, Oklahoma State University, anticipates opening for a tenure-track faculty position at the ASSISTANT PROFESSOR level starting August 15, 1996. The appointment is for 9-months with a nationally competitive salary and start-up funds. The successful candidate will be expected to supervise M.S. and Ph.D. students and establish a strong research program supported by extramural grants in any area of biological significance employing an eukaryotic virus. Teaching responsibilities include a course in the applicant's specialty, and the Cell and Molecular Biology core course. A Ph.D. degree, significant postdoctoral experience, and demonstrated expertise in the field are required. During this current phase of rapid expansion, the department has the commitment and support from the University administration in seeking the best available candidate. Applications from women and minorities are particularly welcome. Stillwater is a university town of about 40,000 located about 60 miles equidistant from the metropolitan centers of Oklahoma City and Tulsa. Interested applicants should submit a detailed curriculum vitae, a short statement of research interests, relevant reprints, and names and addresses of at least three references to: Dr. Moses Vijayakumar, Virology Search Coordinator, Department of Microbiology and Molecular Genetics, 306, LSE, Oklahoma State University, Stillwater, OK 74078-3020, by January 15, 1996. Tel: 405-744-6243; FAX: 405-744-6790. Oklahoma State University is an Affirmative Action/Equal Opportunity Employer.
POSITIONS OPEN

Pediatric Physician SCIENTISTS: The University of Kentucky College of Medicine is interested in recruiting pediatricians (M.D. or M.D., Ph.D.) who are committed to laboratory investigation in areas of oncology, neuroscience, endocrinology, infectious disease or pulmonary disease as applied to children. Clinical area of interest should be related to one of the above or in neonatology or critical care. Modern laboratory space, protected time, joint clinical/basic science appointments, collaboration or mentorship by senior investigators, and substantial intramural funding is available. Junior investigators with potential for extramural funding or senior investigators with active funding are encouraged to apply. Interactions with other faculty in the clinical/basic science departments as well as the Sanders-Brown Center on Aging, Markey Cancer Center, School of Biological Sciences and College of Agriculture provide a particularly stimulating clinical and research environment.

Interested individuals should send curriculum vitae and statement of past experience and future plans to: V. Man-
kad, Chairman, Department of Pediatrics, University of Kentucky Medical Center, 800 Rose Street, Lex-
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CONFERENCES

3rd International Conference on Anti-Aging Medicine & Biomedical Technology. December 9 through 11, 1995, Las Vegas, NV. Anti-Aging Therapies, Health & Wellness Essentials, Aging Diagnostic Testing, The Future of Biotechnology. Featured Speakers: Dr. William Regelson, Dr. Bob Goldman, Dr. Ben Weider, and Dr. Ronald Klatz, and 100 other internationally known experts in human aging and maximum health span. For more information contact: The Conference Internation-

Universities, Research, and Commercial Science and Technology: Pursuing a CoR&D Agenda February 29 through March 2, 1996 University of Arizona, Tucson, Arizona

Featured Speakers: Daniel Greenberg, Editor and Publisher, Science and Government Report; Kenneth Shine, President, National Institute of Medicine. Topics: changes in federal policy and federal funding; commercial targets and priorities; university-industry-government partnerships, negotiating local and organizational arrangements. For brochure contact: The University of Arizona, Center for the Study of Higher Education, Science and Technology Policy Initiative. Attention: Dr. Gary Rhodes, Telephone: 520-621-6171; FAX: 520-621-1875; Email: mball@u.arizona.edu.

CONTAMINATED SOILS CONFERENCE

October 23 to 26, 1995

The University of Massachusetts at Amherst will host the 10th Annual Conference on Contaminated Soils. This year’s conference sessions include: federal issues, radionuclides, contamination, railroad/diesel, analysis, site assessment, environmental fate, remediation, risk-based corrective action, risk-based cleanup standards, site regulatory issues, site closure, human health risk assessment and effects, and ecological risk assessment. For more information please contact Linda Rosen at 413-545-2934.

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