

NEW PRODUCTS

MOTORIZED FILTER WHEEL SYSTEM

A new high-speed motorized filter wheel system, suitable for fluorescence microscopy applications, can hold up to 10 25-mm-diameter filters and be mounted on the illumination or emission side of virtually any light microscope. The system is designed for precise high-speed operation. Filter positions are selected via the RS 232 port of any Prior controller or via an optional Filter Wheel Keypad. Changing or adding filters is easy with access via simple magnetic covers. Filter position numbers are clearly displayed on the unit for both the light path and load position filter. Integrated high-speed shutters and optional slide-in neutral density and infrared filter holders are also available. As many as three optional shutters can be used with the system.

Prior Scientific

For more information call 800-877-2234 or **circle 144** on the Reader Service Card

LASER-SCANNING CONFOCAL MICROSCOPES

The FluoView 300 and 500 family of fully integrated, multifunctional confocal microscope workstations offer flexibility in the selection of microscope bases and number of laser lines and detectors. They feature an expanded range of imaging modes and automated features. The FluoView series accommodates research applications from basic imaging to advanced techniques, with the highest possible confocal resolution on a user-friendly platform. With operation and analysis software compatible between different modes, the FluoView series is suitable for multiple-instrument facilities.

Olympus

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LIGHT CONVERSION SYSTEM

The Blue-Lite Special Ultraviolet (UV)-to-Blue Light Conversion System visualizes electrophoretic gels containing DNA, RNA, and protein and other biological samples without inflicting UV damage on the macromolecules. The versatile system converts any UV wavelength on any transilluminator. It provides a light source in the range of 400 nm to 490 nm that excites many

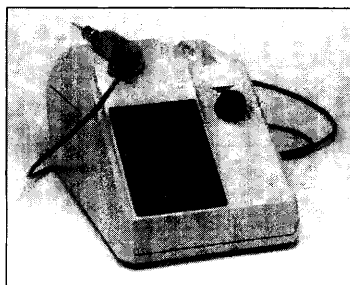
Ultra-Lum

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popular dyes such as SYBR Green, SYBR Gold, SYPRO Orange, SYPRO Ruby, red-shifted green fluorescent protein, and ethidium bromide.

LOW-POWER CELL DISRUPTER

The Sonifier 150D is a 100-watt, low-cost ultrasonic cell disrupter designed for small samples. While incorporating many features found in larger units, such as auto-tuning, amplitude control, and continuous/pulse modes, it also features a hand-held probe with integrated thumb switch and microtips down to 3/32-inch. A large



digital display makes process monitoring easy. Cell disrupters are widely used in research and medical laboratories for disrupting tissue, bacteria, viruses, spores, and other cellular structures.

Branson Ultrasonics

For more information call 203-796-0400 or **circle 147** on the Reader Service Card

LIQUID NITROGEN STORAGE SYSTEMS

CryoPlus and Cryo Series liquid nitrogen storage systems provide convenient storage and retrieval of biological specimens. Both series are available in four sizes, including an exclusive 24-inch-diameter storage tank. The CryoPlus Series combines liquid nitrogen storage reliability and microprocessor technology. The Microprocessor Liquid Level Control and Alarm System provides precise and accurate control over all parameters by way of a convenient push-button touchpad. All operational functions and alarm sequences are stored in nonvolatile memory. The Cryo Series features a front-mounted control panel with audible and visual alarms that allow the operator to quickly and conveniently check unit performance. The oper-

Thermo-Quest

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ator can choose either a manual fill or automatic liquid level control to factory-set levels of 3 inches or 5 inches. Both series are available in storage capacities of 5500, 13,000, 24,000, and 38,500 vials (2.0 ml) and feature vacuum-insulated storage tanks with stainless steel interiors.

FREEZE-DRY LYOPHILIZATION PACKAGING

LYOGUARD Freeze-Dry Packaging makes use of a unique Gore-Tex membrane construction developed for lyophilization. The microporous membrane structure allows the packaging to contain and protect product, while featuring a high vapor transfer rate, which minimizes lyophilization time. The new packaging provides increased yields, decreased cleaning costs, and reduced risk of product contamination and worker exposure. The single-use, disposable packaging was developed as an easy replacement for the open metal tray process of freeze-drying. The packaging, which is compatible with most lyophilization processes, provides convenient handling, storage, and transport, and permits autoclave sterilization.

W.L. Gore & Associates

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LITERATURE

The Vapor Trail is a new quarterly newsletter for readers in the scientific community involved in evaporation, concentration, and sample preparation. Each issue familiarizes the reader with Labconco evaporation and concentration products, such as the redesigned RapidVap Evaporation Systems, the new CentriVap Centrifugal Concentrators, FreeZone Freeze Dry Systems, and Rotary Evaporators. Articles about these products, application protocols, and methodologies are highlighted.

Labconco

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Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Reader Service Card and placing it in a mailbox. U.S. postage is free.

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POSITIONS OPEN



THE UNIVERSITY OF CHICAGO

CANCER BIOLOGIST THE BEN MAY INSTITUTE FOR CANCER RESEARCH The University of Chicago

The University of Chicago is seeking applicants for a tenure-track position at the **ASSISTANT PROFESSOR** level. The Ben May Institute for Cancer Research (BMICR) is a basic research unit that for 49 years has been committed to the study of basic mechanisms of cancer. The current faculty is committed to an interdisciplinary approach using established and newly emerging biochemical, genetic, molecular, and structural biological tools to attack basic problems in cancer biology. We are seeking outstanding individuals interested in diverse aspects of cancer biology including but not limited to cell growth and differentiation, signal transduction, and structural biology.

The BMICR is closely interfaced with the University of Chicago NCI-designated comprehensive cancer center and the University of Chicago Center for Molecular Oncology. Additionally, the BMICR is closely affiliated with the graduate degree-granting Committee on Cancer Biology, and BMICR faculty have access to outstanding Ph.D. and M.D./Ph.D. students. Candidates should have sufficient research experience to demonstrate both significant accomplishments and outstanding potential. The successful recruit will be expected to teach undergraduate and graduate students. Curriculum vitae, bibliography, a brief statement of research interest, and three letters of recommendation should be sent to: **Marsha Rosner, Ph.D., Director, Ben May Institute for Cancer Research, 5841 South Maryland Avenue, MC 6027, Chicago, IL 60637.**

BIOLOGY FACULTY POSITIONS

Lewis and Clark College invites applications for two tenure-track **ASSISTANT PROFESSOR** positions, one in developmental biology and one in invertebrate systematics, beginning September 2001. Candidates should be committed to excellent teaching and to developing an externally fundable research program involving undergraduates. Ph.D. required; postdoctoral experience preferred. Successful applicants will alternate teaching in core courses for biology majors and the College's general education program with upper-division courses in biology.

Development: Seeking broadly trained individual who studies the genetic, molecular, and/or cellular mechanisms underlying cell determination, pattern formation, and/or evolution of traits. The College is not currently equipped to house mammals, so individuals working with nonmammalian research organisms are preferred. Interested in candidates who can teach a laboratory-intensive course in developmental biology and one or more additional upper-division courses to complement our current offerings.

Systematics: Seeking broadly trained individual who integrates molecular, evolutionary, and organismal approaches to the study of invertebrates. Interested in candidates who can teach courses such as systematics, invertebrate zoology, entomology, or limnology.

Submit letter of application, including descriptions of teaching interests and philosophy (including how the candidate's interests and abilities would strengthen the Department) and research goals; curriculum vitae; representative reprints; graduate transcripts; and three letters of recommendation to: **Chair, Development (or Systematics) Search Committee, Department of Biology, Lewis and Clark College, Portland, OR 97219.** Review of applications will begin on October 31, 2000, and continue until the positions are filled. For more information, visit our website: <http://www.lclark.edu/~biology>. *Lewis and Clark is an Equal Opportunity Employer and encourages the applications of women and minority candidates.*

POSITIONS OPEN

ENDOWED PROFESSORSHIP IN MOLECULAR CELL BIOLOGY

Trinity University announces the continuation of a search to fill a newly endowed position, the Brackenridge Distinguished Professorship of Biology. This is a tenured position at the rank of Professor that carries a highly competitive salary and a variety of ancillary benefits. We seek candidates whose research program is widely recognized and extramurally funded and who demonstrate the potential for meaningful and systematic involvement of undergraduates in their research program. The research area is open to any experimental system using molecular methodology to address fundamental problems in cell biology. Possible specialties include but are not limited to development, neurobiology, signal transduction, cell cycle, protein targeting, extracellular matrix, cytoskeleton, endomembrane function, and membrane transport. Demonstrated success in and commitment to undergraduate instruction are required. The successful candidate will be expected to develop a course in contemporary cell biology and possibly contribute to the Biology core curriculum.

Trinity University is a primarily undergraduate educational institution located in San Antonio, Texas. The University enrolls approximately 2,500 students and benefits from a substantial endowment. Additional information about the University and Department of Biology is available at website: www.trinity.edu. Letters of nomination or applications should be sent to: **Professor Thomas L. Koppenheffer, Department of Biology, Trinity University, San Antonio, TX 78212-7200.** In order to receive full consideration, applications should be received by November 1, 2000, although the position will remain open until filled. *Trinity University is an Equal Opportunity/Affirmative Action Employer. We seek and encourage nominations and applications from men and women who would enhance the diversity of the Institution.*

FACULTY POSITIONS DEPARTMENT OF NEUROSCIENCE SCHOOL OF MEDICINE The Johns Hopkins University

Applications are invited for full-time **TENURE-TRACK FACULTY POSITIONS** at both junior and senior levels. Preference will be given to applicants with broad interests in cellular, molecular, and developmental neuroscience, including cellular electrophysiology. Applicants should have a Ph.D. or M.D. and appropriate postdoctoral training. Faculty members are expected to have or to establish active independent research programs and participate in teaching graduate and medical students. Deadline for applications is November 1, 2000.

Please send curriculum vitae, a brief description of current and future research interests, and arrange to have three letters of recommendation sent to:

Solomon H. Snyder, M.D.
Search Committee
Department of Neuroscience
The Johns Hopkins University
School of Medicine
725 North Wolfe Street
Baltimore, MD 21205

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The University of Southern California, School of Gerontology, is seeking applications for **THE PAUL GLENN CHAIR**. The candidate should be just beginning his/her academic career as a new, promising **INVESTIGATOR** in the study of the fundamental biomedical nature of aging. Candidates must have completed their Ph.D. and significant research training experience within the past two years. Interested candidates should send their curriculum vitae, one-page research plan, and names of references to:

Dr. Caleb Finch
The University of Southern California
Ethel Percy Andrus Gerontology Center
3715 McClintock Avenue
Los Angeles, CA 90089-0191

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Scientist (Biological Chemistry)

Our Biological Chemistry team seeks a talented scientist to further its efforts in proteomics and drug discovery programs targeting thrombosis and Alzheimer's. Candidates should have a BS/MS in Biochemistry, Protein Chemistry, Biology or Analytical Chemistry with experience in mass spectrometry and its applications in biomedical research. We desire expertise in protein chemistry techniques, specifically sequencing and 2-D gel electrophoresis of proteins and utilization of mass spectrometric techniques in protein analysis. Experience in handling electrospray, LC/MS/MS and MALDI-TOF is required for the position. Only those who can thrive in a team-oriented environment need apply.

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FACULTY POSITIONS IN THE DEPARTMENT OF BIOLOGY UNIVERSITY OF MICHIGAN

The Department of Biology at the University of Michigan solicits applications for three tenure track faculty positions in i) Cell Biology, ii) Evolutionary Genetics, iii) Systematics and Evolution of Land Plants.

Cell Biology. We seek an individual who uses a wide range of genetic, biochemical and molecular approaches to study fundamental problems in cell biology. The successful candidate must have a Ph.D. in Biology, Cell Biology, Molecular Biology, or a related field, as well as postdoctoral experience. The successful candidate will likely work with *Saccharomyces cerevisiae*, and join an active and expanding group of cellular and molecular biologists interested in a variety of fundamental biological questions.

Evolutionary Genetics. We seek an individual who uses molecular tools and model organisms to study fundamental evolutionary processes in laboratory and/or wild populations. Research areas of interest include, but are not limited to, evolutionary and quantitative genetic aspects of life history traits such as development, reproduction, aging, and evolution of genome organization. Persons who combine laboratory and field studies are encouraged to apply. The successful candidate will join an active group interested in a variety of fundamental and interrelated questions in evolution and genetics.

Systematics and Evolution of Land Plants. We seek an individual who works with all groups of land plants and uses all research methods. However, the successful candidate will likely study bryophytes or pteridophytes, and will incorporate molecular techniques and data in their research. The successful candidate must be qualified to teach undergraduate and graduate courses in biology and plant evolution and systematics, and must develop an active research program in the systematics and evolution of land plants. Candidates must have a Ph.D. in Biology, Botany, Plant Sciences, or a related area, and postdoctoral or comparable experience.

For all three positions, a Ph.D. in Biology or a related field, as well as postdoctoral experience is required. In addition to establishing a successful research program, the successful candidates will be expected to participate in undergraduate and graduate teaching programs of the department. To apply, send a *curriculum vitae*, copies of reprints, brief summaries of present research and future research plans and teaching interests, and arrange to have three letters of reference sent to:

Chair, Department of Biology
University of Michigan
Natural Sciences Building
Ann Arbor, MI 48109-1048

Please indicate clearly in the cover letter for which position you wish to apply.
Review of applications will commence October 16, 2000.

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MOLECULAR BIOLOGIST, NUCLEAR RECEPTORS

The selected candidate will possess a Ph.D. in Molecular Biology, Biochemistry, Cell Biology or related field combined with 2+ years postdoctoral experience working in the area of Nuclear Receptors demonstrating a solid understanding of the molecular mechanisms involved in Nuclear Receptor function as well as the pharmacology of Steroid Receptors and/or Orphan Receptors involved in inflammation and/or metabolism. Additional requirements include the knowledge and experience to design and identify novel nuclear receptor drugs; a proven track record of innovative research and scientific publications in the field of nuclear receptors; excellent communication skills; and the ability to effectively work in a team environment while meeting aggressive timelines.

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EMPLOYMENT OPPORTUNITIES IN DRUG METABOLISM

Merck Research Laboratories (MRL), a world leader in creative and innovative pharmaceutical research to produce novel medicines, is recruiting talented and motivated scientists to join its Departments of Preclinical and Clinical Drug Metabolism in two locations in the United States: **West Point, PA and Rahway, NJ**. The departments conduct concept-oriented, mechanistic drug metabolism and pharmacokinetic studies to support drug discovery and development goals of MRL. These positions are available immediately.

Drug Metabolism Scientists (Senior Research Scientist and Associate Scientist).

A Ph.D./MS/BS degree in chemistry, pharmacology, biochemistry or a related field is required. The successful candidate should possess knowledge and skills in one or more of the following areas: pharmacokinetics, in vitro or in vivo metabolism, enzyme kinetics, molecular biology or cell culture. Additional experience in bioanalytical chemistry and separation technologies is highly desirable (Rahway and West Point).

Clinical Pharmacokineticists (Senior Research Scientist).

A Ph.D. degree in biopharmaceutics, chemistry, biochemistry, chemical/biomedical engineering or a related field is required, with strong skills in mathematical problem solving and computer modeling. The candidate will be responsible for collaboration within an interdisciplinary environment on the design, interpretation and reporting of pharmacokinetic and bioavailability studies in support of worldwide registration efforts for human medicine. Solid proficiencies in written and verbal communication are highly desirable (West Point).

Bioanalytical Chemists (Senior Research Scientist and Associate Scientist).

A Ph.D./MS/BS degree in organic chemistry, analytical chemistry or a related field is required. Positions are available for both quantitative and qualitative bioanalysis. Responsibilities for quantitative analysis include the development and validation of LC-MS/MS based analytical methods for quantitation of drug and metabolites in biological fluids and tissues, and the application of these methods in support of pharmacokinetic studies in drug discovery and development. Candidates should have a demonstrated record of experience and accomplishment in the field of automation and quantitative analysis of trace drug levels in biological fluids. Previous experience in a GLP environment working in the pharmaceutical industry is preferred. Responsibilities in qualitative bioanalysis include characterization of drug and metabolites in biological fluids and tissues. A strong background in organic chemistry and structure elucidation is preferred (West Point and Rahway).

Animal Biologists (Staff Biologist).

A BS/MS degree in biology, animal science or a related field is required. Responsibilities include collaboration with Drug Metabolism scientists to conduct the in-life phase of pharmacokinetic and metabolism studies in laboratory animals. Experience in performing established catheterization procedures in rodents is an advantage; training in additional surgical procedures will be provided. Experience in handling large laboratory animals and use of radioisotopes is highly desirable (West Point and Rahway).

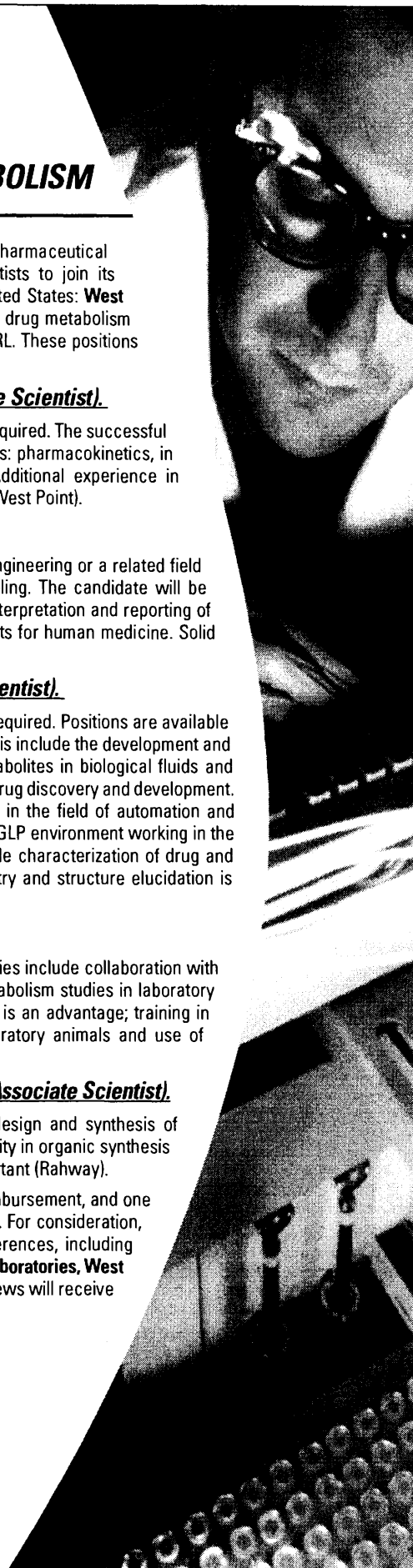
Labeled Compound Synthetic Chemists (Senior Research Scientist and Associate Scientist).

A Ph.D./MS/BS degree in organic chemistry is required. Responsibilities include design and synthesis of isotopically labeled (radioactive and stable) molecules for biological research. Creativity in organic synthesis and a strong background in modern analytical techniques (HPLC, MS, NMR) are important (Rahway).

We offer an excellent salary, a comprehensive benefits program including tuition reimbursement, and one of the best 401(k) plans in the nation, as well as opportunities for professional growth. For consideration, please send your curriculum vitae with a cover letter and the names of three references, including position title, to **Keely Byford, Drug Metabolism, Building 75A-303, Merck Research Laboratories, West Point, PA 19486**, or E-mail: **DMRC@merck.com**. Only candidates considered for interviews will receive responses. We are an equal opportunity employer, m/f/d/v.



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**MUSC HOLLINGS CANCER CENTER
DIRECTOR
BASIC SCIENCE RESEARCH**

The Hollings Cancer Center (HCC) at the Medical University of South Carolina seeks a Director with experience and vision to lead the Center's Basic Science Research Programs. This person will be responsible for leading a major effort at HCC in the development of cancer biology research, including the development of new scientific programs and support of existing programs, and the allocation of resources for the HCC basic science research on the MUSC campus. Substantial resources are available to support this major development effort. The individual should have extensive experience and a record of accomplishment in a major area of cancer biology. The position requires proven leadership, strong interpersonal skills, and an excellent publication record and continuing extramural research funding. Qualifications commensurate with a full professor are required.

The Hollings Cancer Center was opened in 1993 and has experienced continual growth in both patient care and basic science research. The Medical University is the first institution in South Carolina to receive over \$100 million in research funding with approximately \$25 million relevant to cancer research. Due to the substantial increase in research, a major expansion of the Hollings Cancer Center is being started which will double the present size and add 48,000 square feet of new Class I laboratory space. Current basic science programs include molecular and cellular therapeutics, experimental therapeutics, cancer biology, and functional genetics.

The Medical University of South Carolina is located in historic Charleston and offers unique opportunities for high quality living on the South Carolina coast. The University offers a strong and growing environment that is rich in interdisciplinary research, excellent laboratory space and the opportunity to be part of a growing research community. Evaluation of applications will begin September 1, 2000, and continue until the position is filled. Nominations or applications, which include a curriculum vitae, statement of research interests, and administrative experience, should be sent to:

Ms. Sam Kennedy
Basic Science Research Committee
Hollings Cancer Center
PO Box 250955
Charleston, SC 29425

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CHIEF

**SPECIAL PATHOGENS BRANCH
Division of Viral and Rickettsial Diseases
National Center for Infectious Diseases
Centers for Disease Control and Prevention**

The Centers for Disease Control and Prevention is seeking qualified applicants for Chief of the Special Pathogens Branch (SPB), Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases. The Chief of SPB will provide overall supervision of approximately 50 administrative and technical staff working with a taxonomically diverse group of viral agents (e.g., Filoviruses, Arenaviruses, Bunyaviruses and others) requiring containment and handling within a Biosafety Level 4 (BSL-4) facility. Research in SPB focuses on the diagnosis, epidemiology, pathogenesis, and prevention of disease syndromes associated with these viruses, as well as the molecular characterization of the causative agents. Coordinating responses to outbreaks of disease caused by viruses requiring BSL-4 containment and elucidating transmission cycles of the responsible agents are integral components of the public health and research mission of SPB. Virologists, physicians, or veterinarians with research experience with viral agents requiring BSL-4 containment and experience leading research programs are encouraged to apply.

Qualifications include a doctoral degree, significant scientific accomplishments in one or more areas of relevant research, experience with outbreak investigations or work in developing countries, and experience in developing, directing, and managing a research program. Salary range is \$83,559 to \$157,000 per annum, depending on qualifications.

Further information can be obtained from Dr. James E. Childs, ScD, Chairman, Special Pathogens Branch Chief Search Committee, Mail Stop G13, Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases, Centers for Disease Control and Prevention, Atlanta, GA 30333; Telephone: (404) 639-1075; FAX: (404) 639-4436; or EMAIL: JFCS@CDC.GOV

Interested candidates should send their curriculum vitae in confidence along with the names of four professional references to **Centers for Disease Control and Prevention, Attention: Ms. Janie L. Oddy, Mailstop C19, 1600 Clifton Road, Atlanta, GA 30333** (or by Email to JLO0@CDC.GOV). The deadline for submission of applications is October 1, 2000.

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on Populations**

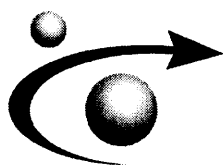
JOHNS HOPKINS SCHOOL OF PUBLIC HEALTH is developing a new cross-disciplinary program in Quantitative and Molecular Sciences for Research on Populations. Highly qualified individuals in the areas of cancer epidemiology, genetic epidemiology, molecular genetics of cancer, and bioinformatics and/or statistical genetics are encouraged to apply for tenure-track positions at junior and senior levels. These individuals will be part of a School and University-wide initiative, which includes graduate training programs and collaborative research opportunities across the Departments of Epidemiology, Biostatistics, Molecular Microbiology and Immunology, Mental Hygiene, Biochemistry and Molecular Biology, and Environmental Health Sciences.

Interested individuals should send a CV, letter describing their research interests, and names of three references to:

Sharon S. Krag, Ph.D.
Associate Dean for Graduate Education and Research
Johns Hopkins School of Public Health
615 North Wolfe Street, Room E1148
Baltimore, Maryland 21205
or email cklein@jhsp.edu.

Women and underrepresented minorities are encouraged to apply. The Johns Hopkins University does not discriminate on the basis of race, color, gender, religion, sexual orientation, national or ethnic origin, age, disability, marital status, or veteran status.

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Scientists, Biochemistry

As a member of our biochemistry group you will help evaluate and characterize small molecule inhibitors of protein tyrosine phosphatases. Ideal candidates will be skilled at assaying enzyme activity with radioactive, fluorescent and spectroscopic based detection technologies, will understand enzyme kinetics, and will have experience with HPLC technology. Additional expertise in protein purification, organic or analytical chemistry, molecular biology or cell biology will be an asset. Minimum qualifications are a B.Sc. degree in a relevant field and several years of experience. The ability to process data with computer programs such as Excel and graphing software is required.

Scientists, Compound Screening

As a member of the high throughput screening (HTS) group, your primary responsibilities will include assessment of small molecules in enzymatic assays, optimization of new assay technology into HTS format, compound management for HTS, maintenance and operation of automated liquid handling equipment and database management. The ideal candidate should have a Bachelor's or Master's degree in a relevant scientific discipline and several years of experience. Must have previous experience using radioisotopes and should be skilled in the use of basic computer programs such as Excel and graphing software. Previous experience using laboratory robotics and relational databases is a plus.

Scientist, Protein Purification

In our protein purification group you will be responsible for purification and characterization of numerous enzymes. You should possess a solid background in handling proteins and characterizing enzyme activity, and be skilled in a variety of liquid chromatography techniques including FPLC. Familiarity with radioactive and spectroscopic assays is essential. Experience with cloning and expression of recombinant proteins in both E. coli and eukaryotic cells is desirable, as is any experience in protein crystallography. Minimum qualifications are a B.Sc. degree in a relevant field with more than 5 years of experience. Proficiency at processing data with Excel and graphing software required.

Senior Scientist, Target Validation

We are seeking an experienced scientist to establish an innovative target validation program for PTPs. Candidates should be broadly knowledgeable of signal transduction, with particular emphasis on tyrosine phosphorylation. Familiarity with a wide variety of techniques for studying signaling pathways such as use of antisense, ribozymes, construction and expression of dominant negative mutants, or microinjection is expected. Applicants should have a Ph.D. in a relevant discipline with a minimum of 5 years experience.

Senior Scientist, Biochemistry

You will be responsible for delivering new targets with an accompanying robust assay to our HTS group. Working with HTS you will characterize active compounds and prioritize them for SAR studies. Knowledge of signaling pathways regulated by phosphorylation and the ability to manipulate these systems in cells is required. Prior experience in drug discovery is preferable, in addition to having a successful track record in assay development, protein purification and enzyme characterization. Knowledge of organic chemistry would be beneficial. Candidates should have a Ph.D. in a relevant field with a minimum of 5 years experience.

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or fax to 425-485-9026 or email us at info@ceptyr.com. www.ceptyr.com EOE We will contact potential candidates for interviews; no phone inquiries please.

Faculty Position In Aging

The Molecular Biology Program of Memorial Sloan-Kettering Cancer Center invites applications for a tenure-track faculty position. The successful candidate will be expected to establish a vigorous research program that probes the fundamental biological mechanisms underlying aging and tissue stability. Topics of interest include all aspects of the maintenance of genomic integrity, genetic control of tissue structure, and the regulation of cell death.

MSK offers an outstanding research environment and support infrastructure. Appointment at any level will be considered. Interested parties should forward their Curriculum Vitae, a description of their past research accomplishments and proposed research program, selected reprints, and either three letters of recommendation (for Assistant Member appointments) or a list of potential references (for Associate and Full Member appointments) to: Aging Search, Ms. Linda Z. Smith, Box 150, Memorial Sloan-Kettering Cancer Center, 1275 York Ave, New York, New York 10021. Application submission may also be via e-mail to: lsmith@ski.mskcc.org as either a Microsoft Word or pdf file. Recommendation letters should be forwarded by post. Inquiries to either Ms. Smith or Dr. Kenneth Mariani, Chairman, Molecular Biology Program, Memorial Sloan-Kettering Cancer Center, e-mail: k-mariani@ski.mskcc.org. Application deadline is November 1, 2000. EOE/AA



**Memorial Sloan-Kettering
Cancer Center**

Faculty Position in Comparative Medical Genetics The Ohio State University

The Ohio State University, Department of Veterinary Biosciences, is offering a tenure-track faculty position in comparative medical genetics at the assistant/associate professor level. Expertise in murine genetics is highly desirable. Applicants also should have knowledge and experience in genetic models of cancer or other diseases, gene therapy, molecular oncology, or genomic mapping. Applicants should have a PhD degree or equivalent, relevant post-doctoral experience, and have a record of excellence in research. More senior candidates should have a proven record of success in attracting extramural research funds; junior candidates should have excellent potential. Development of an independent research program, involvement in collaborative campus-wide research efforts, and a strong commitment to graduate education are essential for the successful candidate. Participation is encouraged in training grants and other University-wide initiatives in the use of genetically engineered animal models of human disease.

The College is a member of the most comprehensive health sciences center in America. Among other resources The Ohio State University has an NIH-designated Comprehensive Cancer Center with a Division of Human Cancer Genetics and access to the Celera database, two campus-wide transgenic animal facilities, the Center for Retrovirus Research, and campus-wide graduate education programs in molecular, cellular and developmental biology; and molecular life sciences. Departmental support facilities include BSL-3 containment laboratories, recently renovated research laboratories, and a state-of-the-art flow cytometry facility.

Applications should include a curriculum vitae, statement of career goals, summary of current research activities, and the names (with complete mailing address, phone, fax, and e-mail) of at least four individuals from whom letters of references may be solicited by the Search Committee. Academic rank and salary are negotiable. Applications will be accepted until December 15, 2000 or until the position is filled. Address all correspondence to: **Dr. Thomas J. Rosol, Chairman of Search Committee, Department of Veterinary Biosciences, College of Veterinary Medicine, The Ohio State University, 1925 Coffey Road, Columbus, OH 43210.**

The Ohio State University is an EO/AA employer. Women, minorities, Vietnam era veterans, disabled veterans and individuals with disabilities are encouraged to apply.



**St. Jude Children's
Research Hospital**
ALBAC • Danny Thomas, Founder

Postdoctoral position in Molecular Neurobiology

This laboratory is interested in identifying signaling events that play a defining role in neuronal degeneration. Specifically, this work concerns the molecular events involved in neuronal apoptosis in response to genotoxic stress, and the molecular basis for neurodegeneration in the human syndrome of ataxia telangiectasia. Additionally, cDNA microarray analysis and subtractive hybridization methodology are being used to identify gene expression changes required for radiation-induced apoptosis. For a general description of work in this laboratory see: *Science* (1998) **280**: 1089, *PNAS* (2000) **97**: 889 *Trends in Neuroscience* (2000) **23**: 417.

This position requires a recent Ph.D. and/or MD, and will provide excellent training for someone interested in obtaining experience in current techniques in molecular neurobiology, with a particular emphasis on transgenic mouse technology and cDNA microarray analysis.

St. Jude provides superb support facilities at and a research environment that is highly interactive. Interested candidates should send a curriculum vitae and must arrange to have three letters of recommendation sent to: Peter McKinnon, Ph.D., Department of Genetics, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101.

www.stjude.org
Equal Opportunity Employer

BIOINFORMATICS AT THE UNIVERSITY OF MICHIGAN

The Departments of Biology and Mathematics at the University of Michigan solicit applications for a tenure-track faculty position in bioinformatics. We seek individuals who have established or show exceptional promise toward establishing a research program that applies methods of mathematical and/or computational science to fundamental questions in molecular biology. The successful candidate must have a Ph.D. in Mathematics, Biology, Cell Biology, Molecular Biology, or a related field, as well as postdoctoral experience. The successful candidate will be involved in a major expansion of bioinformatics at the University of Michigan. As part of a \$200 million Life Sciences Initiative, the University of Michigan is expanding faculty, buildings, and infrastructure in the life sciences. As part of the Life Sciences Research Corridor Initiative, the State of Michigan is also investing substantial resources in a new program that will benefit the Universities, Industries and Research Foundations with Michigan. Bioinformatics will be a major component in both of these initiatives.

In addition to establishing a successful research program, the candidate will be expected to participate in undergraduate and graduate teaching and curriculum development of the departments. To apply, send a *curriculum vitae*, copies of selected reprints, a brief summary of present and future research plans, and arrange to have three letters of reference sent by October 16, 2000, directly to:

**Chair, Bioinformatics Search Committee
Department of Biology
University of Michigan
Ann Arbor, MI 48109-1048**

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



THE ROCKEFELLER UNIVERSITY

As The Rockefeller University approaches its 2001 Centenary, the institution has developed a comprehensive strategic plan that calls for recruitment of 15-20 faculty members at both entry and tenured levels over the next four years. Our focus for the forthcoming year includes cancer biology, chemistry, infectious disease/immunology, neuroscience, chromosome biology and gene expression, patient-oriented research, and physics.

Cancer Biology: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory, funded by the Strang Foundation, will be made in fundamental cancer biology. Areas of interest include signal transduction and control of normal and abnormal cellular function.

Chemical Biology: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in chemistry, with an emphasis on basic research involving synthesis of novel chemical reagents for studies of complex biological systems.

Infectious Disease/Immunology: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in the area of infectious disease/immunology. The University is particularly interested in scientists working on host-pathogen interactions.

Neuroscience: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in molecular neurobiology, with the goal of further strengthening research at the interface between molecular biology and systems neuroscience.

Chromosome Biology and Gene Expression: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in cell biology, with an emphasis on fundamental studies of nuclear processes.

Medical Sciences: One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in The Rockefeller University Medical Sciences Research Center, which includes an NIH-funded GCRC. The successful applicant will be expected to develop a modern program of basic and clinical investigation in our newly renovated hospital. Areas of interest include cancer biology, cardiovascular disease, neurological disease, human genetics, immunology, and infectious disease.

Physics: One appointment to a tenured professorial chair will be made in physics, with an emphasis on research at the interface between physics and biology. The University is particularly interested in analyses of complex signaling networks in bacteria and eukaryotic cells.

Applicants at the Assistant Professor/Head of Laboratory level should submit a Curriculum Vitae (with publication list), a statement of current and future research interests (no longer than three pages), and arrange for five letters of reference to be sent directly to the University. Tenure-level applicants with internationally recognized research programs should submit the same Curriculum Vitae and research statement, and the names and addresses (including telephone, facsimile, and e-mail information) of 10-20 referees.

All materials should **indicate the search for which the application is intended** and be addressed to:

**Office of Academic Affairs
The Rockefeller University
1230 York Avenue, Box 55
New York, NY 10021 USA**

The closing date for applications, including letters of reference, is November 1, 2000.

The Rockefeller University is an Affirmative Action/Equal Opportunity Employer. Further information about the research and educational programs of The Rockefeller University can be found on the Internet at <http://www.rockefeller.edu/>.

PHYSIOLOGIST
U.S. ARMY RESEARCH OFFICE
RESEARCH TRIANGLE PARK, N.C.

Applications are being solicited for Physiologist, DB-0413-IV (equivalent to the GS-14/15 grade level), U.S. Army Research Office, Research Triangle Park, N.C. The annual salary range is \$70,457 - \$107,738 (per annum, which includes a locality adjustment) depending upon individual qualifications and salary history.

The incumbent directs and manages an extramural basic research program in Life Sciences focusing on Neurophysiology and Cognitive Neurosciences, aimed at investigating the scientific bases of perception and cognition, including initiating new research projects in response to Army needs, stimulating proposals to respond to those needs, analyzing and evaluating proposals, communicating with grantees and contractors, reviewing and analyzing research reports insuring their effective distribution, stimulating technology transfer to both Army and civilian users, evaluating contractor performance, disseminating program policies and research results, maintaining awareness of Army in-house R&D programs, developing and giving briefings and presentations on Neurophysiology and Cognitive Neurosciences, projects, objectives, progress, accomplishments and opportune areas to Army management and scientific community, initiating and orchestrating workshops, conferences, and symposia on pacing research issues, and serving as principal Army advocate and representative for basic research activities and needs in Cognitive Neurosciences and Neurophysiology. The incumbent's activities are mainly in the areas of perception and cognition subfields of Neurophysiology and Cognitive Neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology. Applicants must have a PhD or equivalent earned doctorate in one of the Life Sciences, and possess at least one year of specialized experience at a level of difficulty and responsibility equivalent to the DBIII level. Application must show successful completion of a full course of study leading to a doctoral degree that includes at least 45 semester hours in a combination of life sciences disciplines. At least 25 of the 45 semester hours must have been in any combination of life sciences that included physiology and neurosciences. Experience must have been in or related to the work of the position and equipped the applicant with the knowledge, skills, and abilities to successfully perform the duties of the position.

Applicants must be U.S. citizens, be able to obtain a secret clearance, and comply with provisions of the Ethics in Government Act. Interested individuals may obtain a complete application package by calling (919) 549-4294.

Applications must be received by October 31, 2000.

ANIMAL BEHAVIORIST, UNIVERSITY OF CALIFORNIA, DAVIS

— The Division of Biological Sciences, University of California, Davis invites applications and nominations for a position in the Section of Evolution and Ecology at the tenure-track ASSISTANT PROFESSOR level. Candidates must have a Ph.D. (or equivalent) in the biological sciences or related fields, and are expected to have a strong record of empirical research in animal behavior, within the context of evolution or ecology. Special consideration will be given to research programs in which approaches, techniques and insights from animal behavior are applied to problems in ecology or evolutionary biology. Teaching responsibilities may include an undergraduate course in introductory biology, evolution, or ecology, and specialized courses in animal behavior.

Applicants should send (1) a curriculum vitae, (2) copies of no more than five published and in press papers, (3) a description of current and projected research, and (4) a summary of teaching interests and experience, and have three letters of recommendation sent to: **Judy Stamps, Chair, Animal Behavior Search Committee, Section of Evolution and Ecology, University of California, One Shields Avenue, Davis, CA 95616-8755.** Closing Date: Open until filled, but all application materials, including letters of recommendation, must be received before September 25, 2000 to assure full consideration.

The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.

ANIMAL BEHAVIORIST, UNIVERSITY OF CALIFORNIA, DAVIS

— The Division of Biological Sciences invites applications and nominations for two positions in the Section of Neurobiology, Physiology, & Behavior. One a tenure-track position at the ASSISTANT PROFESSOR level, and the other at the level of ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR or PROFESSOR, as appropriate to the candidate's qualifications. A Ph.D. (or equivalent) and postdoctoral experience is required. Candidates must have an outstanding record of research achievement and will be expected to develop a strong research program in animal behavior preferably addressing proximate or integrative, biological mechanisms of behavior. The successful candidates will be expected to teach undergraduate and graduate level courses in animal behavior and participate fully in the teaching and advising programs coordinated by the Divisions of Biological Sciences and Graduate Studies. A senior appointee (Associate Professor or Professor) would be expected to take a leadership role within the section.

Applications should include (1) curriculum vitae (with e-mail address), (2) statement of current and proposed research interests, (3) three relevant reprints, (4) statement of teaching experience/interests, and (5) names, telephone numbers, addresses (postal and e-mail) of at least three references. Candidates should also arrange to have their reference letters mailed directly to the Committee Chair. All materials should be sent to:

Martin Wilson, Chair
Animal Behavior Search Committee
Section of Neurobiology, Physiology, & Behavior
University of California
Davis, CA 95616-8519

Closing date: open until filled, but all materials must be received by November 15, 2000 to be assured of full consideration.

The University of California, Davis, is an Equal Opportunity/Affirmative Action employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.

Neuroscience
Developmental Neurobiologist

University of Colorado Health Sciences Center
School of Medicine
Denver, Colorado

The Neuroscience Program and Center at the University of Colorado Health Sciences Center, together with the Department of Cellular and Structural Biology and the Department of Pediatrics, seeks two developmental neurobiologists at the Assistant Professor level in tenure-eligible positions. Applicants should have a strong record of pre- and postdoctoral research using molecular and genetic approaches to nervous system development with potential relevance to neurologic disease or developmental disabilities. Model systems may be vertebrate or invertebrate. Successful candidates will be expected to develop an independent research program with peer-reviewed funding and to participate in teaching of graduate and medical students.

The Neuroscience Program has 36 faculty in four basic-science and four clinical departments. The program awards a Ph.D. in Neuroscience. Please see our web page: <http://www.uchsc.edu/sm/neuroscience>.

Candidates should send curriculum vitae, three letters of reference, and a summary of research goals limited to one page to: **Curt R. Freed, M.D., Director, Neuroscience Program and Center, University of Colorado Health Sciences Center, Box B138, 4200 E. Ninth Ave., Denver, CO 80262.**

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

UIC The University of Illinois at Chicago

DIRECTOR OF BRAIN IMAGING RESEARCH

The Department of Neurology at the University of Illinois at Chicago invites applications from exceptional candidates with the MD or PhD to provide leadership for an interdisciplinary research program in brain imaging. The director will be expected to maintain an independent research effort in some aspect of neuroimaging and shape federally-funded program projects and training programs that can provide the basis for an important new investigative initiative. Candidates should have significant publications, a record of external funding, and a commitment to lead multidisciplinary research and training programs in a cutting edge aspect of neurology. The candidate will be appointed to a tenure-track position as Professor of Neurology and will elect a secondary appointment in a relevant basic science department.

The Department of Neurology seeks to establish an investigative program of the highest quality to complement and extend the institution's investment in neuroimaging that includes an existing 3T and a proposed 9.4T MR scanner. The appointee will work with faculty in the Department of Neurology to expand clinical research in neuroimaging and will be encouraged to collaborate with neuroscientists in the Departments of Physiology & Biophysics, Pharmacology, Radiology, Psychiatry and Neurosurgery. Faculty in these departments will participate in the director's recruitment and are committed to productive interactions with members of the proposed program.

Screening of applicants will begin on October 1, 2000 and will continue until the position is filled. Interested candidates should send a letter of interest outlining the direction of a proposed research program, a curriculum vitae, and the names of five references who can be contacted by the Search Committee. Direct applications and questions to: **Dr. Daniel Hier, Department of Neurology, University of Illinois at Chicago, M/C 796, 912 South Wood St., Chicago, IL 60612-7330.**

UIC is an AA/EOE employer.

ASSISTANT PROFESSOR

The Psychology Department expects to fill a tenure-track position at the assistant professor level for the 2001-02 academic year. The candidate's area of expertise should be in cognition of social phenomena, including, but not limited to, beliefs, emotion, attributions, and judgment/choice. Researchers pursuing cross-cultural, evolutionary and genetic approaches to these questions are particularly encouraged to apply. The appointment will begin July 1, 2001. Review of applications will begin September 1, 2000, although later applications will be considered until the position is filled.

Interested applicants should submit a letter of application indicating specific research interests, a curriculum vitae, reprints or preprints of completed research, and letters of recommendation sent directly from three referees to:

Secretary, Psychology Search Committee
Department of Psychology
284 Uris Hall
Cornell University
Ithaca, NY 14853-7601 USA
E-mail sp15@cornell.edu

Fax: 607-255-8433 Voice: 607-255-4152

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*Applications from women and minority
candidates are especially welcome.
Cornell University is an Equal Opportunity,
Affirmative Action Employer & Educator.*

<http://www.cornell.edu>

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We've made a science out of developing careers.



Purdue BioPharma L.P. is a research-oriented biopharmaceutical company which seeks to benefit patients by providing new treatments for cancer, infectious diseases, pain, and disorders of the central nervous and immune systems. As the Discovery Research arm of a growing and successful international Pharmaceutical organization, we are seeking highly motivated professionals to support our expansion in the **Princeton, New Jersey** area. We currently have the following opportunities available in our **Biologics Research group**:

Director- Biologics Research

Position requires a Ph.D. in Immunology, Molecular Biology, Cell Biology, Biochemistry or related field with at least 10 years' professional experience in the biotech/pharmaceutical industry - 5 years of which directly involved in the management of antibody/vaccine programs. Successful candidates must have demonstrated the ability to develop and direct a fully functional research group in both exploratory discovery research and strategic project settings. Responsibilities include managing a staff of approximately 20 Ph.D./non-Ph.D. level scientists, participating in the identification, evaluation and recommendation of in-licensing opportunities, and directing research grants, contracts and other external collaborations. The position closely interacts with other R&D disciplines and will support continuing research for clinical and marketed products.

Molecular Immunologist

Successful candidate will help interface with our Immunology group. Requires a Ph.D. in Molecular Biology or related field, a minimum of 5 years' pharmaceutical experience following completion of post-doctoral work, and a strong molecular biology/immunology background. Must have a proven track record supervising Ph.D./non-Ph.D. level scientists and cloning and manipulating DNA fragments encoding antibodies. Knowledge of antibody structure and functional importance of different domains/sequences is essential, along with strong MB skills, including DNA cloning, site-directed mutagenesis, PCR, cell culture and expression of recombinant proteins in mammalian cells. An understanding of oncology and/or infectious diseases a plus.

Research Scientist- Protein Expression

Position will lead a protein expression group in transient antibody expression and establishing stable cell lines to support synthetic antibody related studies. Responsibilities include planning group activities, optimizing transfection/expression conditions, independently executing research projects and supervising 1-3 Ph.D./non-Ph.D. level scientists. A Ph.D. in cell biology, molecular biology or a related field plus 5 or more years experience in the field of protein expression in mammalian systems is required. An MS with 10 or more years of experience and demonstrated equivalent achievement may also be considered.

Tumor Biologist

Position requires a Ph.D. in Tumor Biology or a related field and 3 years experience in anti-cancer drug development, including cytotoxic, anti-angiogenic and immunotherapy strategies. Responsibilities include in vitro and in vivo study protocol development, laboratory research, and data analysis using various computer software packages. May supervise 1-2 Research Associates. Required skills include immunohistology, angiogenesis assays, signal transduction, xenograft tumor implantation, and metastasis models. Expertise in tissue culture, protein biochemistry and pharmacokinetics are essential. Previous supervisory experience preferred.

We offer competitive compensation and an attractive benefits package within a casual work environment with opportunities for personal advancement and professional growth. For immediate consideration, qualified applicants should mail resumes indicating position of interest and salary requirements to: **Recruiter, Human Resources, 201 College Road East, Princeton, NJ 08540 or email to wendy.taylor@pharma.com.** Corporate standards require drug testing and background investigation. We are an equal opportunity employer committed to a diverse workplace.

For more information, visit us on our website at
www.purduebiopharma.com



**A leader in pharmaceutical
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The Liposome Company, a subsidiary of Elan Corporation is expanding its Oncology Research and Development Group at its Princeton, New Jersey facility. We are seeking results oriented, highly motivated team players who are eager to work within a stimulating, small company setting.

DIRECTOR ANTINEOPLASTIC DRUG DISCOVERY

This is a senior position for a candidate who has a broad knowledge of oncology with a particular emphasis on the integrated use of *in vivo* models and molecular biology to identify and validate targets for antineoplastic drug discovery. We are seeking a candidate who possesses a Ph.D., 7+ years of relevant experience, leadership and managerial skills, excellent written and oral communication abilities and knowledge of the drug development process.

DIRECTOR MEDICINAL CHEMISTRY

This person will lead a team of chemists in the design and synthesis of small molecule drug candidates in the hits-to-leads and lead optimization phases. Excellent communication skills are required as well as the ability to work in a highly collaborative environment. A Ph.D. in Medicinal Chemistry and 5+ years' relevant industrial experience in drug discovery or pharmaceutical research is required.

We offer a competitive salary, comprehensive benefits and an opportunity to join a rapidly growing company. For consideration, please forward or fax your resume to: The Liposome Company, Human Resources Dept., One Research Way, Princeton, NJ 08540; Fax: (609) 951-0286. An Equal Opportunity Employer.



**THE
LIPOSOME
COMPANY**



MAYO CLINIC VIRAL IMMUNOLOGY POSTDOCTORAL FELLOWSHIP POSITION

A postdoctoral position is available starting January 2001 in the Viral Immunology Laboratory of Dr. Carlos V. Paya at Mayo Clinic Rochester to study the interplay between the transcription factor NF- κ B and HIV and their replication. Candidates require expertise in cell biology, immunology, and/or virology. Send a curriculum vitae, description of research experience and the name and address of three references to the attention of:

**Teresa Hoff
Mayo Clinic
Guggenheim 501
200 First Street SW
Rochester, MN, 55905
E-mail: thoff@mayo.edu**

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

ASSISTANT PROFESSOR

The Psychology Department expects to fill a tenure-track position at the assistant professor level for the 2001-02 academic year. The candidate's area of expertise should be in higher-level cognition or cognitive neuroscience. Researchers with interests in memory, language, learning and reasoning are particularly encouraged to apply. The appointment will begin July 1, 2001. Review of applications will begin September 1, 2000, although later applications will be considered until the position is filled.

Interested applicants should submit a letter of application indicating specific research interests, a curriculum vitae, reprints or preprints of completed research, and letters of recommendation sent directly from three referees to:

**Secretary, Psychology Search Committee
Department of Psychology
284 Uris Hall
Cornell University
Ithaca, NY 14853-7601 USA
E-mail: spl5@cornell.edu
Fax: 607-255-8433 Voice: 607-255-4152**

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*Applications from women and minority candidates are especially welcome.
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<http://www.cornell.edu>

POSTDOCTORAL FELLOWSHIP OPPORTUNITIES

THE BLOOD CENTER OF SOUTHEASTERN WISCONSIN

The following postdoctoral fellowships are available at the Blood Research Institute of The Blood Center of Southeastern Wisconsin:

Cellular & Molecular Immunology Laboratory

Laboratory of Bonnie Dittel, Ph.D. To study immune regulatory mechanisms in autoimmunity. Specific projects will use the mouse model (EAE) of the human demyelinating autoimmune disease multiple sclerosis to investigate 1) the cellular and molecular interactions of g d T cells required for the resolution of an immune response resulting in autoimmunity in the central nervous system, 2) the contribution of non-polymorphic MHC class I molecules in the initiation of autoimmunity, and 3) the role of B cells as antigen presenting cells in the recovery from CD4 T cell mediated autoimmunity.

Receptor Signaling Laboratory

Laboratory of Demin Wang, Ph.D. Studies involve the signal transduction of cytokine receptors and immunoglobulin superfamily of receptors (TCR, BCR, and FcR) in gene knockout mouse models (Immunity, 13:25-35, 2000; EMBO J. 19:392-399, 2000; Cell 93: 385-395, 1998). Experience in molecular biology, cellular immunology, or protein purification are desirable.

Located adjacent to the Medical College of Wisconsin on the Milwaukee Regional Medical Center campus, The Blood Research Institute is an internationally recognized leader in blood-related research. Please submit a CV and cover letter detailing prior training and specific research interests to the Human Resources Dept., The Blood Center, PO Box 2178, Milwaukee WI 53201-2178.

For more complete information, please visit our web site at www.bloodctrwise.org



Postdoctoral Fellow

Position available to perform research into biological roles of mammalian proteases. Current projects include roles of proteases in embryonic development and bone growth, and intracellular protein sorting mechanisms. For this position we are seeking a motivated individual who has a Ph.D. or relevant experience in the life sciences. The ideal applicant will be able to work effectively in a team environment and be interested in developing new research projects.

Further details can be obtained via e-mail from rmason@nemours.org (quoting ref #8535 in subject line). Competitive salaries and benefits are available for this position. To apply, please send curriculum vitae and a summary of research interests along with names and addresses of three references to **Robert W. Mason, Ph.D., Head of Clinical Biochemistry Laboratory, Research Department, Alfred I. duPont Hospital for Children, PO Box 269, Wilmington, DE 19899.** EOE, M/F.

Visit our Web site:
www.KidsHealth.org

**ALFRED I.
duPont
HOSPITAL FOR CHILDREN**
An Operating Division of the Nemours Foundation

The Nemours Foundation

POSTDOCTORAL POSITIONS are available in the laboratory of Dr. Richard L. Proia, Genetics of Development and Disease Branch, National Institute of Diabetes and Digestive and Kidney Diseases, NIH, in Bethesda, MD. For information about the Branch and Institute, see: <http://www.niddk.nih.gov>. Areas of research include the physiologic roles of sphingosine-1-phosphate in G-protein-coupled receptor signaling; functions of glycosphingolipids; and mechanisms of neurodegeneration in sphingolipid storage diseases. Approaches include conventional/conditional mouse knockouts and global gene expression analysis. For details see PNAS 95: 2503 (1998); J. Clin Invest 101: 1881 (1998); J Clin Invest 103: 497 (1999); PNAS 96: 9142 (1999); Hum. Mol Genet 9: 1087 (2000). Candidates should have a Ph.D and/or M.D. and less than 5 years of post-doctoral experience. Experience in cell and molecular biology is preferred. Send CV with list of publications, a brief description of research experience and the names and addresses of 3 reference to: **Dr. Richard L. Proia, Building 10, Room 9N-314, 10 CENTER DR MSC 1821, National Institutes of Health, Bethesda, MD 20892**

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**Tenure-Track Investigator,
Molecular Mechanisms of Disease**

The Genetics of Development and Disease Branch, NIDDK, NIH in Bethesda, MD seeks to recruit a tenure-track scientist who will use cellular, molecular and/or genetic approaches to study molecular mechanisms of human disease. The investigator will be given resources and newly renovated laboratory space to pursue a vigorous and effective research program. The position offers unparalleled opportunities for multidisciplinary research and for interactions with a diverse group of outstanding scientists in the NIDDK and the throughout the NIH. For information about the NIDDK and the Genetics of Development and Disease Branch, see: <http://www.niddk.nih.gov>.

Candidates must have a Ph.D., M.D. or equivalent degree in the biomedical sciences, demonstrated research productivity, and capability of establishing an innovative, independent research program. Competitive salary and benefit packages are available. Applicants should send a curriculum vitae, an outline of their future research and three letters of reference to **Ms. Elizabeth Perry; Building 10, Room 9N-314; 10 CENTER DR MSC 1821; Bethesda, MD, 20832**. The closing date is **November 15, 2000**.

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PHARMACIA

Do the research and you'll find this to be **AN AMAZING DEVELOPMENT**

Discovering brilliant new cures is easier to achieve when your company is rapidly growing in sales, stability and resources. That's what we're experiencing with the merger of Monsanto and Pharmacia & Upjohn, where 60,000 professionals have come together to form a \$17 billion first-tier pharma organization: Pharmacia Corporation. By investing more than \$2 billion annually in pharmaceutical R&D, and developing one of the strongest patent positions in the industry, we are able to provide such innovative, industry-leading drugs as Detrol® for overactive bladder control and Celebrex® to treat arthritis. The following opportunities are now available in our **Kalamazoo, MI** facility:

COMPUTATIONAL CHEMISTRY SCIENTIST Position #901106

Our Computer-Aided Drug Discovery Group seeks an individual to carry out research using structure-based design, molecular modeling, and QSAR methods in a variety of discovery research projects within the Central Nervous System Diseases (CNS) and Infectious Diseases (ID) therapeutic areas. The selected candidate will work closely with local scientists in the structural, medicinal, and computational chemistry disciplines for the discovery and optimization of potential clinical candidate compounds. There will also be opportunities for collaborations with scientists at our other U.S. and international research sites. Requires a Ph.D. in Chemistry or related discipline combined with significant experience in molecular modeling with small molecules and proteins, familiarity with current methods of SAR analysis, and programming experience in a scientific UNIX environment.

BIOINFORMATICS SCIENTIST • Position #900415

Our Bioinformatics Group, part of Computer-Aided Drug Discovery (CADD), is seeking strong candidates with experience in genomics database development, database interface programming and genomic data analysis to support our functional genomics efforts. Responsibilities include the implementation and further development of a comprehensive, multisite Oracle-based bioinformatics relational database system; enhancement of novice-user, expert-user, and batch-oriented programs to interface with the database system; and interfacing microarray, proteomics and pharmacogenomics data with sequence and genomic information. To qualify, you must possess an advanced degree in Life Sciences and/or Computer Science combined with a successful track record in scientific programming and 3+ years experience with Oracle relational database development on UNIX systems. Strong programming skills in SQL, Perl, and UNIX along with a solid working knowledge of bioinformatics tools are required.

BS/MS RESEARCH BIOLOGIST - CARDIOPULMONARY/BIOENGINEERING Position #901266

Working with our Safety Pharmacology Group in Worldwide Toxicology, the selected candidate will be responsible for planning, conducting, evaluating and reporting safety pharmacology studies in non-rodent species of the cardiovascular/respiratory systems in support of early drug discovery and product development. Studies are conducted in compliance with GLP regulations, therefore, a working knowledge of these regulations is desirable. The ideal candidate will have some experience working with various acute and chronic cardiovascular/respiratory models, both from an operational and development perspective. We are particularly interested in candidates with skills in ECG, blood pressure, blood flow, electrophysiology, respiratory function, surgical instrumentation, radio-telemetric and electronic systems, data acquisition, signal processing and software analyses, and bioengineering support, design and fabrication. Strong interpersonal and written/oral communication skills are a must, as the selected candidates will work in a team environment. Biologists, Physiologists, Pharmacologists, Electrical & Bioengineers, and Veterinary Technicians are encouraged to apply.

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ASSISTANT PROFESSOR FACULTY POSITION

The University of Texas M.D. Anderson Cancer Center, Science Park - Research Division, is entering a new recruitment phase and expanding into new laboratories. Applications are being accepted for a tenure-track position at the Assistant Professor level from individuals with 3-5 years of postdoctoral or independent research experience and strong publication records. Research at Science Park focuses on cellular and molecular mechanisms involved in carcinogenesis and mechanism-driven cancer prevention. We seek applicants working in the general areas of molecular, developmental, and genetic mechanisms underlying cancer. Candidates with expertise in advanced gene targeting (knock-out, knock-in, and transgenic) approaches in these areas are especially encouraged to apply; however, outstanding candidates using other types of approaches will also be considered. The successful applicant will be expected to establish a high-quality, independent research program that complements our ongoing research activities, and to participate in our graduate training program. The Science Park is located in a rural park-like setting in Smithville, Texas, just outside of the state capital of Austin, in the beautiful Texas hill country. Ongoing research activities of the faculty are described in our website at <http://sciencepark.mdanderson.org>. Excellent start-up funds, salary, and benefits package will be provided as well as access to state-of-the-art equipment, communications, research and service facilities.

Submit curriculum vitae, three representative publications, a brief outline of current and future research plans, and three letters of reference by November 1, 2000 to: **Dr. Rodney S. Nairn, Chair, Search Committee, c/o Mrs. Mary Lou Fendley, University of Texas M.D. Anderson Cancer Center, Science Park - Research Division, P.O. Box 389, Park Road 1C, Smithville, TX 78957.**

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University of Virginia
HEALTH SYSTEM

Faculty Position Bacterial Pathogenesis

The Department of Microbiology at the University of Virginia School of Medicine invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor. Candidates should have a Ph.D. or M.D. and postdoctoral experience. The successful candidate will be expected to establish a productive research program using genetic, biochemical and cellular approaches to investigate mechanisms of bacteria-host interactions, especially with respect to immune invasion and/or signal transduction. The faculty member will also participate in graduate and medical student teaching, and interact with faculty from basic science and clinical departments in research and training programs.

The Department of Microbiology provides modern research space, numerous core facilities for molecular and cellular investigations, and a collegial faculty with interests in eukaryotic signal transduction, immunology, cancer biology, microbial pathogenesis, and molecular genetics. Opportunities exist for collaborations in related areas of medicine, infectious disease, gastroenterology, and cardiovascular disease.

By **October 15, 2000**, applicants should send their curriculum vitae, list of publications, and statement of research interests, and arrange to have three letters of reference sent to: **Search Committee, Department of Microbiology, University of Virginia, Box 800734 Health System, Charlottesville, VA 22908.** Fax: (804) 982-1071 Email: bacpath@virginia.edu Web: <http://www.med.virginia.edu/medicine/basic-sci/micr/Micro.html>

The University of Virginia is an Equal Opportunity / Affirmative Action Employer

 **Washington**
WASHINGTON UNIVERSITY IN ST. LOUIS
School of Medicine

TENURE TRACK ASSISTANT PROFESSOR Molecular regulation of aging

The Department of Molecular Biology and Pharmacology at Washington University School of Medicine is recruiting individuals at the level of Assistant Professor on the tenure track. We are seeking an outstanding scientist working in the area of aging. Special consideration will be given to research involving systems where genetic tools can be used to address fundamental questions dealing with the aging process. Faculty in the Department utilize a broad range of organisms including yeast, *C. elegans*, *Drosophila*, *Xenopus*, and mice to investigate developmental processes, including cell fate specification, pattern formation, and the regulation of cell proliferation, differentiation, migration, and death. (Visit our web site at <http://molecool.wustl.edu>.)

Interested applicants should forward a curriculum vitae and a short summary of research plans to:

Search Committee (c/o Jeffrey I. Gordon, Head)
Department of Molecular Biology and Pharmacology
Washington University School of Medicine
660 South Euclid Avenue, Box 8103
St. Louis, Missouri 63110

Applicants should also arrange to have three letters of recommendation sent to the same address.

Washington University is an Affirmative Action/Equal Opportunity Employer committed to increasing the representation of women and minority groups on its faculty.

ENVIRONMENTAL, COASTAL AND OCEAN SCIENCES

Postdoctoral Fellow in Environmental Chemistry

- University of Massachusetts Boston, with funding from the Camille and Henry Dreyfus Foundation, Postdoctoral Program in Environmental Chemistry, seeks recent or established PhD chemist/chemical engineer wishing to expand his/her training/research activities to address interdisciplinary environmental issues. Preference will be given to scientists and engineers who are not currently engaged in environmental research/consulting. Detailed information including description of ten potential research topics that span green chemistry, toxicology, environmental technologies, and biogeochemistry are provided at <http://www.es.umb.edu>. \$35,000 annual salary (max 2 years) plus benefits. Send resume, cover letter including rationale for wanting to enter environmental field and choice of research topic, and names/addresses/phone/email of three references to: **Office of Human Resources, Attn: Recruitment, Box 455, University of Massachusetts Boston, 100 Morrissey Blvd., Boston, MA 02125-3393.** Review will begin 13 Oct 2000, with anticipated start-date in January 2001.

U Mass Boston

Unconventional Innovations Program (UIP)

Novel Technologies for Noninvasive Detection, Diagnosis, and Treatment of Cancer

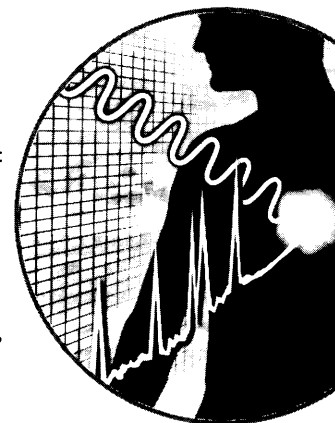
The UIP seeks revolutionary approaches to the development of multifunctional technology platforms to support minimally intrusive approaches that integrate:

- Sensing of fundamental signatures of precancers; or early, metastatic, or recurring cancers in the living body
- Transmission of signature information to an external monitor
- Controlled, specific treatment
- Monitoring of effects of treatment

The UIP particularly seeks technology platforms that integrate novel approaches to:

- | | |
|-------------------------|-------------------------|
| ■ Signature recognition | ■ Intervention delivery |
| ■ Signal generation | ■ Intervention feedback |
| ■ Signal amplification | ■ Data interpretation |
| ■ Signal transmission | |

Proposals are encouraged from investigators from a variety of disciplines including, but not limited to, biomedical research, chemistry, physics, engineering, and computational sciences; particularly as multidisciplinary teams.



For complete information on this Request for Proposals visit:

<http://rcb-inter.nci.nih.gov/appl/rfp/17014/Table of Contents.htm>

Or request information by phone at 301/496-8620

Senior Scientists

Chemist Job #263

Chemist to develop new products at the interface of chemistry and molecular biology. Candidates should have a Ph.D. in Organic, BioOrganic, or Medicinal Chemistry. Experience in synthesizing nucleotides and working with RNA is a plus.

Protein Engineering Job #252

Several individuals to join a group generating proteins with novel functions. Experience in the following areas a plus: Directed Evolution, Protein Expression, or Phage Display.

In situ Hybridization Job #253

Molecular biologist with in situ hybridization and histology experience to work on the development of new products in this area.

RNA Methodology Job #254

We are always looking for talented individuals with experience in technology related to RNA. Experience with arrays or differential display a plus.

Individuals with bioinformatics experience will be favored for any of the previous positions.

Candidates should have a Ph.D. and postdoctoral experience, a strong publication record and an innovative and entrepreneurial spirit. Senior Scientists have considerable freedom in developing their own research programs and participate in a collegial team environment that drives the development of new ideas. They typically have a small research group, NIH small business grants and write papers and patents. We feel that Ambion's diverse and interactive R&D group is unique in the industry and has been important to our continuing success.

Manufacturing

Manufacturing Development Scientist Job #255

Ambion seeks a creative scientist who can add depth to our manufacturing group. An MS in molecular biology or related field, Ph.D. is preferred. A diverse background in RNA related techniques and the innate ability to tinker and troubleshoot is highly desirable. Previous experience in biotech manufacturing is a plus. This individual will provide leadership for our manufacturing development group and interact well with both R&D and manufacturing scientists.

Senior Production Associate Job #251

Ambion seeks a talented scientist to lead a production group in the manufacture of products in the areas of high-throughput gene analysis, arrays, in situ hybridization and cDNA synthesis. A BS in molecular biology or related field, MS or Ph.D. preferred, and strong experience in RNA related techniques are required. This individual must have proven supervisory skills and interact well with both R&D and manufacturing scientists.

Ambion is a rapidly growing biotechnology company that focuses on applications related to RNA. It is located in Austin, the state capital, on the edge of the "Texas Hill Country", which provides rivers, lakes, scenic rolling hills and a comfortable climate. Austin is home to the main campus of the University of Texas and offers an exciting array of restaurants, music and cultural events. Austin is widely recognized as one of America's most livable cities and was recently listed as a "runner up" in Money Magazine's "Best Big Cities in America".

See http://www.money.com/money/depts/real_estate/bestplaces/austin.html

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Ph: (512)651-0200 Fax: (512)651-0201 Email: resumes@ambion.com
www.ambion.com

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MOLECULAR EVOLUTION FACULTY POSITIONS

The Department of Biological Sciences at the University of Iowa invites applications for two faculty positions in the area of molecular evolution at the level of Associate Professor. Successful candidates are expected to have an internationally visible research program that uses molecular approaches to study problems in evolution. These problems include, but are not limited to, evolution of developmental processes, genome evolution, evolution of regulatory circuits, evolution at the population level and evolution of host-pathogen interactions in animals and plants. Under the leadership of a new head, the Department is committed to building an internationally recognized program in evolutionary biology and successful candidates will participate in filling additional positions in evolutionary biology in subsequent years.

Candidates are expected to have an established record of funding and publications in leading scientific journals. The successful candidates will occupy completely renovated research facilities and substantial start-packages will be provided. Applicants should forward a curriculum vitae, statement of future research objectives, description of teaching interests, names of three references and selected reprints or preprints to: **Evolution Search Committee, Department of Biological Sciences, University of Iowa, 138 Biology Bldg, Iowa City, Iowa 52242-1324**. Applications will be reviewed as soon as they are received until suitable candidates are identified. *The University of Iowa is an affirmative action/equal opportunity employer. Women and minority candidates are especially encouraged to apply.*

DEPARTMENT OF ORGANISMAL BIOLOGY AND ANATOMY

The Department of Organismal Biology and Anatomy is multidisciplinary and has strengths in the fields of evolutionary developmental biology, biomechanics, molecular adaptation, neurobiology, and vertebrate paleontology. The Department is undergoing a major expansion and will fill multiple tenure-track openings in most of these areas over the next four years. While we encourage applications from exceptional candidates in any of the above fields at the current time, we aim to focus this year's hiring primarily in the fields of biomechanics and neurobiology. Successful candidates will be expected to teach courses at undergraduate, graduate or medical school levels. The level is open; junior and senior scientists are both encouraged to apply. The review of applications will begin on 11/01/00 and continue until all positions are filled. Applicants should send a curriculum vitae, statement of research and teaching interests, up to four reprints, and names and addresses of three referees to: **Faculty Search Committee, Department of Organismal Biology and Anatomy, University of Chicago, 1027 E. 57th Street, Chicago, IL 60637, Fax: 773-702-0037.**



**THE UNIVERSITY
OF CHICAGO**

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Postdoctoral Fellowships

in Molecular and Cell Biology at the NIH

Postdoctoral Fellowships are available in the Genetics and Biochemistry Branch, NIDDK, NIH. The Branch is similar to a small academic department and has excellent laboratory facilities. The intramural program of the NIH offers an outstanding research environment. The Branch is located on the main intramural campus of the NIH in Bethesda, Maryland, a 20 minute ride from Washington, D.C. Applications are invited from individuals of the highest caliber with Ph.D., M.D., or M.D., Ph.D. degrees. Physicians may participate in either the NIH Interinstitute Endocrine or the NIH Interinstitute Medical Genetics Training Programs. Current research interests of the staff include:

- Membrane protein biogenesis/protein secretion. We use a combination of biochemical, genetic, and cell biological approaches to study 1) the membrane insertion, assembly and trafficking of integral membrane proteins in eukaryotic cells and bacteria (Cell (1997) **88**: 187 and JBC (1999) **274**: 8993) and 2) the mechanism of secretion of proteins such as B-FGF and IL-1 that lack conventional signal sequences. (Harris Bernstein)

- Biochemistry and molecular biology of homologous recombination in eukaryotes and prokaryotes. Current interests include meiosis (Genomics (1999) **61**: 156), DNA damage and repair, the structure of recombination proteins and their reaction intermediates (JMB (2000) **299**: 629), and novel approaches to gene therapy (including the use of small molecules that promote gene targeting and silencing, such as miniRecAs (Science (1996) **272**: 868)). (Dan Camerini-Otero)

- Molecular mechanisms of DNA repair and homologous recombination. Current efforts focus on structure-function sides of protein-DNA complexes involved in DNA repair and homologous recombination (JBC (1999) **274**: 23673; Nature, 2000, in press) and modulation of chromatin structure during repair and recombination (MolCell (1998) **2**: 373). (Peggy Hsieh)

- Molecular mechanisms of orphan nuclear transcription factors. Molecular investigations include: transgenic and gene targeted mouse models, yeast 2-hybrid screening and gene expression profiling. Applicants should have a strong background in molecular and cell biology. (MCN (1998) **11**: 36; Neuroscience (1999) **93**: 631; MCB (1999) **19**: 6833) (Vera Nikodem)

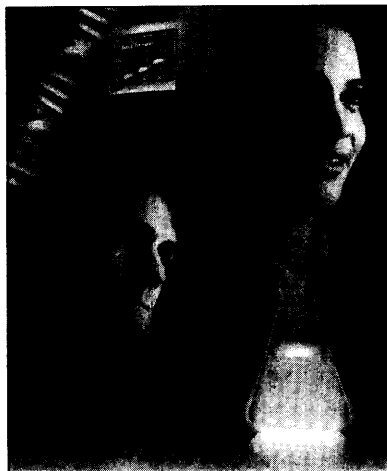
- The molecular mechanisms facilitating RNA metabolism, specifically the processing events within rRNA. We are identifying cis-acting elements (RNA (1998) **4**: 1610) that are essential for accurate processing of rRNA in yeast. In vivo and in vitro biochemical assays help identify and characterize trans-acting factors essential for processing at specific sites (MCB (1997) **17**: 3702; JBC (1999) **274**: 35914). Identifying the RNA:RNA and RNA:protein interactions facilitating early steps of rRNA processing will help elucidate the mechanisms regulating ribosome biogenesis in eucaryotes. (Brenda Peculis)

Interested candidates should send a letter stating their interests, their curriculum vitae and list of publications, and arrange to have letters from three references sent to one of the investigators or to Dr. R. Daniel Camerini-Otero Chief, Genetics and Biochemistry Branch at:

Genetics and Biochemistry Branch
10 Center Drive, MSC 1810
Building 10, Room 9D-20
National Institutes of Health
Bethesda, MD 20892



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MOLECULAR BIOLOGIST

We are seeking an MS scientist with previous experience in tissue/cell culture manipulation and maintenance of stable cell lines. You should also have extensive molecular biology training with particular emphasis on molecular cloning, PCR, R-T PCR, southern and northern blotting, DNA and RNA isolation, SDS-PAGE, immunoblotting, recombinant protein expression and purification from eukaryotic cells, and ELISA.

To apply, please submit your resume, indicating Ad Code 0006833SCI, to Pfizer Inc, PGD, c/o Aon Consulting, PO Box 25, Findlay, OH 45839 or email to Pfizer@aon-hros.com.

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Chemist to develop computational technologies for the design, selection, and optimization of novel drugs. You will focus on computational models related to drug metabolism, in particular cytochrome P450-mediated reactions (e.g., sites and rates of metabolism and structure-related data mining for enzyme inhibition). You will also perform drug metabolism-related experiments necessary to develop new drugs. The position requires a PhD degree in Medicinal Chemistry or Biochemistry with 1-5 years of experience. Experience with HPLC method development and in vitro drug metabolism techniques and excellent communication skills are desired.

To apply, please submit your resume, indicating Ad Code HS/00-0448SC, to PGD Strategic Staffing, 2800 Plymouth Road, Ann Arbor, MI 48105; fax to 734.622.7617.

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POSITIONS OPEN

CELL BIOLOGIST/HIGH-THROUGHPUT BIOTECHNOLOGY PROGRAM COORDINATOR

The Department of Biological Sciences at Western Michigan University, in cooperation with the Departments of Chemistry and Statistics, seeks applications for a tenure-track **ASSISTANT** or **ASSOCIATE PROFESSOR** position in cellular biology and/or signal transduction, beginning before fall 2001, to staff a new program in high-throughput biotechnology. This will be a joint appointment with the Department of Chemistry, Statistics, or other appropriate department. A Ph.D. degree with postdoctoral experience and substantial experience in high-throughput biotechnology are required. This position is expected to continue development of an interdisciplinary M.S. program in high-throughput biotechnology. Duties include development of curricula, recruitment of students, and program-related interactions with pharmaceutical companies. In addition, development and teaching of a cellular biology course oriented toward the needs of high-throughput biotechnology will be necessary, as well as appropriate teaching in the area of the joint appointment.

Preference will be given to candidates who have research interests in cellular pharmacology or signal transduction, utilizing assays or methodologies appropriate for HTS. A successful candidate should have interests that are likely to lead to external funding and successful research interactions with other scientists in these departments (see website: <http://www.wmich.edu/bios>).

Send a letter of application, curriculum vitae, statement of research and teaching philosophy, graduate transcripts, and three letters of reference to: **Dr. Leonard Beuving, Chair, Department of Biological Sciences, 1903 West Michigan Avenue, Kalamazoo, MI 49008-5410. E-mail: beuving@wmich.edu.** Review of applications will begin October 1, 2000, and continue until the position is filled. *Western Michigan University, a student-centered research university, encourages application from underrepresented groups.*

DEPARTMENT OF CHEMISTRY WESTERN MICHIGAN UNIVERSITY

Candidates are sought for tenure-track position(s) in the Department of Chemistry at the **ASSISTANT PROFESSOR** level. A Ph.D. in chemistry or biochemistry with postdoctoral experience and research expertise in the field of biochemistry compatible with the Department's emphasis on environmental chemistry are required. (See website: www.wmich.edu/chemistry for details). Candidates with research interests in the area of protein chemistry (particularly structure-function relationships or kinetics), emphasis on Phase I metabolism enzymes, metalloproteins, and toxicant or stress-induced proteins will receive preference. Background or experience in teaching undergraduate and graduate courses in chemistry or biochemistry preferred. Teaching of both undergraduate- and graduate-level chemistry courses and/or laboratories and participation in advising and mentoring of graduate students at the Doctoral and Master's degree levels are expected. Candidates will establish and/or maintain a continuing record of excellence in research in an area related to their interests (which emphasizes environmental chemistry) as well as participate in multi-investigator, interdisciplinary research programs. The Chemistry Department currently conducts research sponsored by several federal and state agencies totaling in excess of \$2.5 million dollars per year. The Department also has been awarded both REU and IGERT grants from the National Science Foundation. Send letter of application, full curriculum vitae, statement of research and teaching philosophy, graduate transcripts, and three letters of reference to: **Dr. Jay C. Means, Chairman and Professor, Department of Chemistry, 1903 West Michigan Avenue, Western Michigan University, Kalamazoo, MI 49008-5413.** Review of applications will begin September 1, 2000, and continue until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.*

POSITIONS OPEN

FACULTY POSITIONS IN BIOORGANIC AND BIOLOGICAL CHEMISTRY Department of Chemistry University of Pennsylvania

As part of a continuing development program, the Department of Chemistry at the University of Pennsylvania plans to make two faculty appointments in the areas of bioorganic and biological chemistry. The appointment in the bioorganic area will be at the senior level while the biological appointment can be at any rank.

Applicants should send their curriculum vitae, list of publications, and a description of current and proposed research to: **Hai-Lung Dai, Chairman, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323** at their earliest convenience. Applicants at the **ASSISTANT PROFESSOR** level should submit materials, including three reference letters, by October 31, 2000. Consideration of the applications starts immediately. *The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.*

The Department of Medicine in The Brody School of Medicine at East Carolina University, Greenville, North Carolina, is seeking a highly motivated M.D. or M.D./Ph.D. leader in the field of immunology and rheumatology for the position of **CHIEF OF IMMUNOLOGIC DISEASES**. This new section was created with the consolidation of Allergy/Asthma/Immunology. Candidates must be Board-certified in their current major field.

The successful applicant will have an established career with demonstrated leadership ability in program development and a strong clinical and/or basic research history. Current research projects are desirable and will be accommodated. The Department seeks and will provide support for an individual with a high level of energy and enthusiasm who will add emphasis in growing a strong research infrastructure and developing working collaborative relationships in and external to the Department of Medicine.

Greenville is a university community of 38,000 permanent residents with a student population of 17,500. We are 1 1/2 hours from Atlantic Ocean sounds and beaches. The Department of Medicine has strong ties to Pitt County Memorial Hospital, a 731 bed, Level 1 Trauma Center and regional tertiary care center for 29 counties with a developing network of regional hospitals.

Interested applicants should send a cover letter and curriculum vitae to: **Jeffrey Engel, M.D., Chairman, Immunologic Diseases Search Committee, East Carolina University Brody School of Medicine, 600 Moye Boulevard, Greenville, NC 27858. Telephone: 252-816-2550; FAX: 252-816-3472; e-mail: engelj@mail.ecu.edu.**

East Carolina University is an Equal Opportunity/Affirmative Action University. Accommodates individuals with disabilities. Applicants must comply with the Immigration Reform and Control Act.

ASSISTANT/ASSOCIATE PROFESSOR

One long-term track faculty position. Begin January 2001 or earliest date. Ph.D. required; primary teaching responsibility microbiology along with freshman biology courses with opportunity for graduate teaching. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising and committee work; expected to engage in biomedical research with undergraduates, to write grants, and to publish. Strong record of teaching excellence and scholarship desirable. Letter stating interests, complete résumé, transcripts, and three letters of reference due prior to October 15, 2000, to: **Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.**

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR in veterinary anatomy: The Department of Veterinary Anatomy and Public Health, College of Veterinary Medicine, Texas A&M University, invites applications for a 12-month, fully budgeted tenure-track position at the Assistant or Associate Professor level. The Department of Veterinary Anatomy and Public Health has teaching obligations in the anatomical sciences in undergraduate, graduate, and professional veterinary programs. It is anticipated that the successful candidate will assume a primary teaching responsibility for one major course in the anatomical sciences (either histology or neuroanatomy) in the first year of the professional veterinary curriculum and that he/she will establish and maintain an extramurally funded research program in one of several areas of emphasis including reproductive biology, animal biotechnology and genomics, or environmental toxicology and/or public health. Participation in interdisciplinary graduate programs is expected. Candidates must hold the Ph.D. degree; candidates with D.V.M. (or V.M.D.)/Ph.D. degrees are preferred. Postdoctoral experience and evidence of successful teaching abilities are highly desired. Texas A&M is a land, sea, and space grant university with strong interdisciplinary research programs in reproductive biology, toxicology, genetics, nutrition, and neuroscience. Considerable interactions exist among the College of Veterinary Medicine, the Texas A&M University Health Science Center, Texas A&M Institute for Biosciences and Technology, and the Center for Animal Biotechnology and Genomics. Excellent infrastructure resources for laboratory animal research, chemical characterization and analysis, peptide sequencing and synthesis, oligonucleotide synthesis and DNA sequencing, biological imaging, and computational biology are available along with an excellent library and extensive fiber optic network for microcomputer support, which covers every building on campus and links to the Internet. Candidates should send a letter of application, curriculum vitae, and names and contact information of three references to: **Dr. Laurie A. Jaeger, Chair, VAPH Search Committee, Department of Veterinary Anatomy and Public Health, College of Veterinary Medicine, 4458 TAMUS, College Station, TX 77843-4458.** Review of applications will begin September 1, 2000, and will continue until the position is filled. *Texas A&M is an Affirmative Action/Equal Opportunity Employer committed to diversity.*

FACULTY POSITIONS NEUROBIOLOGY

The Department of Physiology and Neurobiology at the University of Connecticut, Storrs, has two anticipated tenure-track faculty positions available fall 2001 at the **ASSISTANT/ASSOCIATE** and/or **FULL PROFESSOR** levels. Successful candidates will be expected to maintain an independent and vigorous research program and participate in the Department's graduate and undergraduate teaching. We are interested in individuals whose research focuses on either molecular and cellular approaches or functional neuroanatomy to study the central nervous system and whose interests integrate with the expertise currently present within the Department and the neuroscience community at the University. Consult website: <http://www.pnb.uconn.edu> for descriptions of our research areas and for information about our graduate and undergraduate programs. Applicants must possess a Ph.D. or equivalent and have completed at least two years of postdoctoral training. Candidates for Associate or Full Professor are expected to have a currently funded and active research program. For best consideration, applications should be received before December 31, 2000. Send curriculum vitae, brief summary of current research, a statement of future research directions, a statement of teaching interests, and names of at least three references to: **Chair, PNB Search Committee, Department of Physiology and Neurobiology, The University of Connecticut, Box U-4156, 3107 Horsebarn Hill Road, Storrs, CT 06269-4156.** *We encourage applications from underrepresented groups, including minorities, women, and people with disabilities. (Search Number 01A67)*

ASSISTANT/ASSOCIATE/FULL PROFESSOR DEPARTMENT OF MOLECULAR BIOLOGY AND BIOCHEMISTRY

The Department of Molecular Biology and Biochemistry at Rutgers, The State University of New Jersey, New Brunswick (Busch Campus), invites applicants for a **FACULTY POSITION**. The Department has a scientifically diverse faculty and is especially interested in applicants in the areas of RNA processing, DNA replication, transcriptional control, signal transduction, cell cycle control, developmental genetics, and structural biology. Please visit our website: <http://www.rci.rutgers.edu/~molbio/>. Strong candidates in other areas will also be considered. The department is an important part of the expanding program in molecular biology at the Busch campus where the Center for Advanced Biotechnology and Medicine, the Waksman Institute and the Robert Wood Johnson Medical School are also located. We have strong consolidated, interdepartmental graduate programs in molecular biosciences. The position offered is highly competitive with regard to start-up funds, laboratory space and salary.

Please send a curriculum vitae, list of publications, summary of research activities, a research plan, and three letters of recommendation by December 1, 2000, to:

Dr. Steven Brill

**Department of Molecular Biology and Biochemistry
Rutgers, The State University of New Jersey
Center for Advanced Biotechnology and Medicine
679 Hoes Lane
Piscataway, NJ 08854**

*Rutgers University is an Equal Opportunity/Affirmative
Action Employer*

Laboratory of Molecular Biology

Tenure Track Investigator Position in Chemical Biology/Proteomics

The Laboratory of Molecular Biology of the National Institute of Diabetes and Digestive and Kidney Diseases, NIH, invites applications for a tenure-track (assistant professor equivalent) investigator position in the general area of protein function. We seek an individual who will establish an independent research program using chemical biology, proteomics, or other innovative technologies to understand cellular regulatory mechanisms at the level of protein function.

The LMB is a multidisciplinary laboratory similar to an academic department. The LMB emphasizes the integration of structural and molecular approaches to biological questions. Ample laboratory space will be located in the newly constructed state-of-the-art building 50, housing laboratories from several NIH Institutes engaged in x-ray and electron crystallography, cryoelectron microscopy, NMR, mass spectrometry, computational biology, biochemistry, molecular and cell biology, and genetics and genomics. The incumbent will be provided with ample support for the staffing and operation of an independent research group, without the need to obtain external funding. The position carries no teaching obligations. Applicants should have a doctoral degree and postdoctoral training.

Send applications to: Dr. James H. Hurley, Protein Function Search Committee, Bldg. 5 Rm. 324, LMB NIDDK, NIH, Bethesda, MD 20892-0560. To apply, send cv, summary of proposed research, and arrange for 3 letters of reference to be sent separately no later than Oct 31, 2000.

The current LMB faculty are listed at:

<http://www.niddk.nih.gov/intram/branchlb/lmb.htm>

More information on building 50 can be found at:

http://des.od.nih.gov/building_50/welcome_overview.htm

NIDDK, NIH

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VITEX is a dynamic biotechnology company revolutionizing the safety of the blood supply. Our technology for red cell pathology inactivation is taking off—inside our organization and out in the healthcare community. We are also engaged in groundbreaking technologies to target the viral genome, and make blood transfusions as safe as any other therapeutic. Due to the success of these initiatives, and other R&D/product development efforts, a number of opportunities are now available throughout the company.

▼ Sr Research Assistant-Red Blood Cells Group

Perform experimental work related to characterization of the quality of Inactive-treated red blood cells. Will operate state of the art hematology equipment (Haemonetics 215 cell processors, Coulter counters, CO-oximeters, Flame photometers, Osmometer), log/maintain the sample inventory, and supervise a junior associate. Requires a BS/MS in Biology, Biochemistry or other science; 1-3 years experience in a laboratory or Blood Bank, familiarity with above equipment, and experience writing assays and SOP's

▼ Senior Research Assistant-Viral Assays

Conduct various assays in support of research department initiatives, including Red Cells, SD Plasma, and Universal Plasma. Position involves designing and executing viral assays, analyzing/interpreting results, and preparing related technical reports. Must have a BS in a Biological Science, 2-5 years of work experience in virus research/assay development encompassing HIV and Hepatitis, and knowledge of cGLP's. Biochemistry and cell biology experience an asset.

▼ Sr Scientist - Red Blood Cells Group

Perform experimental and lab management work related to characterization of the quality of pathogen inactivated red blood cells and supervise the group of 2-4 Research Assistants while developing and validating new methods related to RBC in vitro and in vivo testing. Prepare SOPs, technical reports and control the purchase of blood units and supplies for RBC biochemistry group. Operate Haemonetics 215 cell processors as well as train personnel to operate Coulter counter, CO-oximeter, Flame photometer, Osmometer and other hematology equipment. Measure CBC, ATP, 2,3-DPG, p50. Process and organize experimental data. Candidate must have a Ph.D., MD or M.S. degree in Biology, Biochemistry, Hematology or related area background and 1-5 years of blood related research or Blood Bank laboratory work experience. Experience in data processing and SOP writing of analytical and biological assays also necessary.

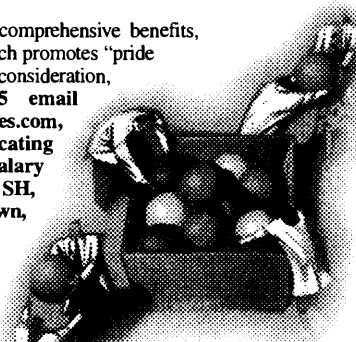
▼ Scientist Level II-Molecular Biology

Develop and implement viral screening assays focusing on the analysis of nucleic acid modification. Requires a Ph.D. in Microbiology, Molecular Biology or related field and 2-3 years comparable experience encompassing statistical analysis, document writing, assay validation, Molecular Biology techniques and high throughput screening. Additional experience working with retrovirus desirable.

▼ Research Assistants-Levels I, II, III

Support the company's R&D effort by performing experimental design/execution, analyzing data, and preparing written summaries. Depending on your experience, you will work on projects of a moderate to complex nature, and perform analytics of readily identifiable factors through intangible variables. All candidates must have a BS/MS in Biology or Chemistry, up to 5 years of experience, strong knowledge of scientific principles, and the ability to conduct library searches. Proficiency in Word, Excel and PowerPoint essential; knowledge of GLP/cGMP guidelines desired.

We offer competitive salaries, comprehensive benefits, and a stock option program which promotes "pride in ownership". For immediate consideration, please fax (617) 923-2245 email Shannon.Howe@vitechnologies.com, or send your resume indicating position of interest and salary history, to: VITEX, HR Dept - SH, 134 Coolidge Ave., Watertown, MA 02472. EOE M/F/D/V



POSITIONS OPEN

DEVELOPMENTAL MOLECULAR GENETICIST TENURE-TRACK ASSISTANT PROFESSOR

The Interdisciplinary Program in Cell and Molecular Biosciences and the Department of Biological Sciences of Auburn University are seeking to fill a faculty position in molecular developmental genetics. This position will carry a tenure-track, nine-month appointment at the level of Assistant Professor. A person with expertise in contemporary developmental molecular genetics with expertise in the use of cell and molecular approaches for understanding fundamental mechanisms of cell fate determination is sought. Successful candidates will be expected to possess expertise in gene identification, functional genomics, genetic screening, or transgenics. Instructional responsibilities will include courses in molecular genetics (undergraduate), molecular developmental genetics (graduate), and participation in general undergraduate courses as assigned. Service responsibilities will include participation in the Cell and Molecular Biosciences programs, undergraduate advising, and Departmental service. Development of an active, extramurally funded research program with strong scholarly output and graduate student involvement is expected.

A Ph.D. in biological sciences is required and postdoctoral experience is preferred. Additional information will be available at [website: http://george.cosam.auburn.edu/bioadmin/](http://george.cosam.auburn.edu/bioadmin/). Applicant review will begin October 20, 2000, until position is filled.

To apply, send curriculum vitae, statement of research/teaching interests, and three letters of reference to:

**Developmental Genetics Search Committee
Cell and Molecular Biosciences
202-C Hargis Hall
Auburn University, AL 36849**

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

POSITION IN ATMOSPHERIC SCIENCE UNIVERSITY OF VICTORIA

Applications are invited for a tenure-track faculty position in the School of Earth and Ocean Sciences in atmospheric science (global climate dynamics, air-sea interaction, biogeochemical cycles, clouds, and radiation). Hiring is expected to be at the **ASSISTANT PROFESSOR** level with a possibility for a junior **ASSOCIATE PROFESSOR** position. Close interactions are fostered with nearby federal government laboratories of the Canadian Climate Centre and Institute of Ocean Sciences. SEOS has a commitment to research and teaching in all aspects of Earth system science.

Qualifications include the completion of a Ph.D. and demonstrated strong research and teaching potential. Duties will include teaching at undergraduate and graduate levels. Letters of application clearly outlining the candidate's expertise, teaching experience, and research interests along with curriculum vitae and names, addresses, FAX, and e-mail addresses of four references should be sent by December 15, 2000, to: **Dr. Ross Chapman, Acting Director, School of Earth and Ocean Sciences, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6 Canada. FAX: 250-721-6200.** This position may be supported in part as a Research Scholar, Canadian Institute for Advanced Research. Visit our [website: http://www.uvic.ca/seos](http://www.uvic.ca/seos).

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. However, if suitable Canadian applicants cannot be found, other individuals will be considered. The University of Victoria is an Equity Employer and encourages applications from women, aboriginal peoples, visible minorities, and persons with disabilities. The University has excellent policies which support faculty with family obligations, including paid maternity/parental leave and a generous pension plan. An eligible woman candidate would be encouraged to apply for an NSERC University Faculty Award.

POSITIONS OPEN



FACULTY POSITION DEPARTMENT OF BIOLOGY UNIVERSITY OF PENNSYLVANIA

The Department of Biology expects to make a tenure-track appointment in evolutionary ecology. We are seeking a broadly trained Evolutionary Ecologist whose research is in one of the following areas: studies of natural selection in nature, adaptation, speciation, coevolutionary relationships, ecological genetics, phylogeography, or any related area. The ideal candidate will complement and interact with existing faculty whose strengths lie in population, community, and ecosystem ecology and evolutionary biology.

Candidates will be expected to teach at the undergraduate and graduate levels in addition to maintaining a vigorous, independent research program. While we expect that this appointment will be made at the **ASSISTANT PROFESSOR** level, outstanding senior applicants will be given serious consideration. Applicants should send curriculum vitae, at least three letters of recommendation, and up to three reprints or manuscripts to:

**Chair, Ecology Search Committee
Department of Biology
University of Pennsylvania
Philadelphia, PA 19104-6018**

Review of applications will begin on 15 October 2000. Further information on the Department of Biology can be found at [website: www.sas.upenn.edu/biology](http://www.sas.upenn.edu/biology). The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

FACULTY POSITION IN EVOLUTIONARY GENOMICS THE UNIVERSITY OF FLORIDA

The Department of Zoology at the University of Florida invites applications for a tenure-track **ASSISTANT PROFESSOR** position in evolutionary genomics beginning August 2001. We seek a colleague who integrates the new approaches and theories of genomics with evolutionary biology. This individual is expected to develop an internationally recognized, externally funded research program in genomics and to teach undergraduate and graduate courses, including genetics for life sciences majors. This position complements our expanding Departmental programs in evolution and ecology.

Please submit curriculum vitae, separate statements of research and teaching interests, representative reprints, and have three letters of recommendation sent to: **Evolutionary Genomics Search Committee, Dr. Michael M. Miyamoto, Department of Zoology, P.O. Box 118525, University of Florida, Gainesville, FL 32611-8525. E-mail: evolgen@zoo.ufl.edu.** Applications must be received by October 20, 2000. Further details are available at [website: http://www.zoo.ufl.edu](http://www.zoo.ufl.edu). The University of Florida is an Equal Opportunity Employer, and we encourage applications from minorities and women.

UNIVERSITY OF FLORIDA

Seeks an **ASSISTANT/ASSOCIATE PROFESSOR** for the Department of Medicine, Division of Gastroenterology. M.D. degree; Board-certified/Board-eligible in gastroenterology. This is a full-time, tenure-track position with responsibilities to provide excellent clinical and endoscopic care for the gastrointestinal patients at the Florida Surgical Center at Shands Hospital. Salary and benefits commensurate with experience. Recruiting deadline is September 21, 2000. Anticipated starting date is November 1, 2000. Please submit curriculum vitae to: **Girish Mishra, M.D., Assistant Professor, Division of Gastroenterology, Box 100215, Gainesville, FL 32610. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

AVAILABLE IMMEDIATELY RESEARCH ASSOCIATE FOR BRAIN STEM GLIOMA RESEARCH

A Research Associate is desired to spearhead innovative research on brain stem gliomas. This individual will work within the Pediatric Brain Tumor Research Program at Children's Memorial Hospital in Chicago. Individuals applying for this position should possess a Doctoral degree (M.D. or Ph.D.) in the biological or physical sciences and have completed at least one to two years of postdoctoral research. Research experience in tumor biology or molecular biology is highly desirable. The candidate should have experience with quantitative PCR, RNA isolation, cell culture, animal models, immunohistochemistry, and basic cloning techniques.

The Rory David Deutsch Brain Stem Glioma Scholar will be part of the Pediatric Brain Tumor Research program at Children's, which is part of the neurobiology core program at the Children's Memorial Institute for Education and Research (CMIER), the basic science research institute at Children's. There are currently about 20 faculty members at the Institute. The research program also works closely with the Departments of Neurosurgery, Hematology/Oncology, and Pathology at Children's Memorial Hospital. More information on Children's Memorial Hospital, CMIER, and the Pediatric Brain Tumor Research Program can be found at [website: www.childrensmemorial.org](http://www.childrensmemorial.org).

Salary and benefits are competitive and commensurate with experience. To apply, send current curriculum vitae and three letters of reference to:

**Tadanori Tomita, M.D.
Yeager Professor of Pediatric Neurosurgery
Children's Memorial Hospital
Box 28
2300 Children's Plaza
Chicago, IL 60614**

FACULTY POSITION IN NMR

The Eppley Institute for Research in Cancer of the University of Nebraska Medical Center (UNMC) is seeking candidates for a tenure-track position at the **ASSISTANT/ASSOCIATE PROFESSOR** rank. The successful candidate will have graduate and postdoctoral experience applying NMR spectroscopy to the study of macromolecular structures. Applicants with experience or interest in the structural biology of proteins modified with oligosaccharides are especially encouraged to apply. The faculty of the Eppley Institute are involved in multidisciplinary efforts focused on basic research in cancer (see [website: http://www.unmc.edu/Eppley/](http://www.unmc.edu/Eppley/)). The Eppley Institute is an academic unit of UNMC and an integral component in the NCI-designated UNMC/Eppley Cancer Center. In addition to directing an independent research program, the successful applicant is expected to interact with other faculty and be involved in the training of graduate students and Postdoctoral Fellows.

Applicants should send their résumé, three reference letters, and a letter detailing their research goals to: **Dr. Kenneth Cowan, Director, Eppley Institute, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-6805.**

The University of Nebraska Medical Center is an Equal Opportunity/Affirmative Action Employer.

FACULTY OPENING CORNELL UNIVERSITY SCHOOL OF CHEMICAL ENGINEERING

Cornell University invites applications for a **TENURE-TRACK POSITION** in the School of Chemical Engineering. Appointment at any rank is possible depending on the candidate's experience and achievements. Research related to drug delivery is of special interest, but research in any area of biochemical engineering will be considered. Interested candidates can learn more about this position at [website: http://www.cheme.cornell.edu](http://www.cheme.cornell.edu).

The College of Engineering is an Equal Opportunity/Affirmative Action Employer committed to employing a highly qualified, diverse faculty. Women and minorities are encouraged to apply.

**NATIONAL INSTITUTES OF HEALTH
NATIONAL INSTITUTE ON ALCOHOL
ABUSE AND ALCOHOLISM**

**Chief, Laboratory of Integrative Neuroscience
Division of Intramural Clinical and Biological Research**

Applications are invited for establishing a multidisciplinary research program to assess the role of particular molecular targets of alcohol in the central nervous system in acute intoxication and alcohol seeking behavior. The successful candidate will have an internationally recognized research program in any area of neuroscience, as documented by an outstanding publication record and, when applicable, a history of significant extramural grant support. Candidates with a demonstrated ability to integrate multiple types of research approaches, including those of cell and molecular biology, genetics, structural biology and behavioral neuroscience, are especially encouraged to apply. The successful candidate will be provided significant resources to establish a multidisciplinary research team and will be offered a competitive salary and benefits package. Those interested should submit their CV, list of publications, a brief research proposal and the names of 3 individuals who could be contacted for reference to:

**Ms. Kathleen Hanratty
NIH, NIAAA, Bldg. 31, Room 1B58
31 Center Drive MSC 2088
Bethesda, MD 20892-2088**

Applications must be received by October 15, 2000.

NIH is an Equal Opportunity Employer. Applications from women, minorities, and persons with disabilities are strongly encouraged. The DIBR/NIAAA is a smoke-free environment.

ENANTA Pharmaceuticals

ENANTA is a new and well-funded small molecule drug discovery company located in the heart of the biotechnology center of Cambridge, MA.

The Company's proprietary technology platform is based on a transportable and revolutionary capability of transforming peptides and natural products into small molecule drugs.

We are currently searching motivated individuals for our drug discovery team:

Computational Chemistry/Molecular Modeling

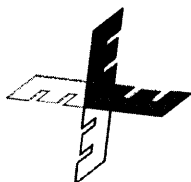
Candidates should have a Ph.D. in chemistry or life sciences. Hands-on experience with chemical databases, substructure searching, small molecule modeling and flexible docking required.

Structural Biology/Protein Crystallography

Candidates have a Ph.D. in the life sciences and have hands-on experience in protein crystallography, structure solution, co-crystallization, protein expression and purification. Experience in drug discovery would be desirable.

ENANTA offers the excitement of a start-up company, employee stock options, a competitive salary and benefits package, and a highly interdisciplinary environment. To apply, please send a full CV including references to:

ENANTA Pharmaceuticals
Job code: Struct2000
750 Main Street, Cambridge, MA 02139
Fax: (617) 621-9574
e-mail: structure@enanta.com



ENANTA is an equal opportunity employer. www.enanta.com

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In our Immunology Department, we have Senior Research Scientist opportunities immediately available with responsibility for evaluating pre-clinical and clinical studies. These challenging positions require expertise in any of the following:

- Two Positions: Ph.D. in Immunology and or Virology with a minimum of 2 years' experience in Cellular Immunology. Knowledge in Protein Chemistry/Molecular Techniques and experience in HSV/HIV/Influenza Vaccine Research desirable.
- Two Positions: Ph.D. in Biology or a related field with 2 years' experience. A strong knowledge of Molecular Biology and expertise in molecular cloning techniques, DNA sequencing, RNA analysis and PCR methods are essential.
- Master's degree with 8-12 years' relevant experience will also be considered.

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POSITIONS OPEN

ASSISTANT PROFESSOR UNIVERSITY OF CALIFORNIA SANTA BARBARA

University of California, Santa Barbara, Department of Geography, invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in terrestrial biophysical processes. A Ph.D. is required by the date of appointment. The successful applicant will have research and teaching interests in the interaction between biological and physical processes at local to regional spatial scales and in quantitative spatial modeling. Relevant areas include atmosphere-biosphere interactions, regional vegetation dynamics, biogeochemical cycles, and surficial processes. The Department has strengths in three systematic areas: (1) modeling, measurement, and computation; (2) human-environment relations; and (3) Earth system science. This position is most strongly associated with the third of these areas, but interests in one or both of the other systematic areas are also required. The Department has a strong commitment to multidisciplinary research and teaching and provides opportunities for interactions with many other departments and research units on the campus. The application deadline is November 15, 2000, and the starting date is July 1, 2001. Qualified applicants should mail complete curriculum vitae, a statement of research and teaching interests, and the names of at least three references to: **Frank Davis, Search Committee Chair, Department of Geography, University of California, Santa Barbara, CA 93106-4060. Telephone: 805-893-3438; FAX: 805-893-3146; e-mail: fd@geog.ucsb.edu.** To learn more about the Department, visit our website: www.geog.ucsb.edu. *University of California is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT/ASSOCIATE PROFESSOR, Biomolecular NMR. Starting September 2001, grant faculty position leading to tenure track in the Department of Chemistry, The City College, CUNY, site of the New York Structural Biology Center (NYSBC). Requirements: Ph.D. (postdoctoral experience preferred) with NMR-related expertise in one or more of the following areas: molecular recognition and assembly, structural studies of large proteins, protein complexes, nucleic acids and protein dynamics, development of experiments, and analysis tools for structural biology. Resources available include a wet laboratory for biochemistry with substantial core facilities, high-field NMR spectrometers at the NYSBC, and several instruments within CUNY. The successful applicant will be expected to develop an internationally recognized research program, teach undergraduate and Ph.D.-level courses in chemistry, and to participate in CUNY-wide, interdisciplinary curricula in structural biology. Full details at website: www.ccny.cuny.edu/positions. Applications review begins October 31, 2000, and continues until the position is filled. Submit letter of application, curriculum vitae, list of publications, detailed research plan, and three letters of reference to: **Professor Thomas H. Haines, Department of Chemistry, The City College, CUNY, 138th Street and Convent Avenue, New York, NY 10031.** *Equal Opportunity Employer.*

FACULTY POSITION BOSTON UNIVERSITY

The Biology Department of Boston University invites applications for a tenure-track **ASSISTANT** or **ASSOCIATE PROFESSOR**. The successful applicant will be expected to develop an externally funded research program that uses the mouse as a model system for contemporary studies in an area such as neuroscience or development. The successful applicant will also be expected to participate in teaching at the undergraduate and graduate levels. Send curriculum vitae, brief description of research interests, and three letters of reference by November 1, 2000, to: **Chair, Neuroscience/Development Search Committee, Biology Department, Boston University, 5 Cummington Street, Boston, MA 02215. Website: <http://bio.bu.edu>.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



TENURE-TRACK FACULTY POSITIONS VISION RESEARCH

The Eye Research Institute of Oakland University invites applications for two tenure-track faculty positions at the **ASSISTANT** to **ASSOCIATE PROFESSOR** level with the potential for dual appointment at the Department of Ophthalmology of William Beaumont Hospital. Individuals with interests in any area of eye research are encouraged to apply; the successful candidates will interact directly with an outstanding group of basic researchers, clinical retinal specialists, and ophthalmology Fellows. Salary and start-up funds are commensurate with experience and competitive with national levels. Applicants should have a strong commitment to excellence in research and are expected to develop and maintain a vigorous research program that attracts NIH funding. All applicants should submit curriculum vitae, a statement of their scientific accomplishments and future research directions, and arrange to have three letters of reference sent on their behalf to: **Professor Barry S. Winkler, Eye Research Institute, 409 Dodge Hall, Oakland University, Rochester, MI 48309-4480. E-mail: winkler@oakland.edu.** The committee will begin to consider applications on December 15, 2000. *Oakland University is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITIONS STRUCTURAL BIOLOGY

JUNIOR or **SENIOR POSITION**. Applications are invited for a tenure-track faculty position in structural biology. Preference will be given to applicants with expertise in NMR spectroscopy applied to problems of macromolecular structure. The successful candidate must have a record of independent research, financial support, and academic productivity commensurate to academic rank. The applicant is expected to apply interdisciplinary interest in continuation of research and in the teaching of graduate and undergraduate students in courses adopted by the School of Biological Sciences. New facilities and complementary expertise in crystallography and electron microscopy (see website: <http://sgi.bls.umkc.edu>) are available as well as competitive start-up packages.

ASSISTANT PROFESSOR, STRUCTURAL BIOLOGY/PROTEOMICS. The School of Biological Sciences, as part of the expansion of its protein structural biology program, which has been selected for comprehensive development within the School, seeks investigators with outstanding potential in any aspect of molecular or cellular structural biology to complement or expand existing activities in spectroscopy (including a new NMR facility), mass spectrometry, crystallography, or microscopy. University of Missouri-Kansas City faculty, as part of the Southeast Regional Collaborative Access Team, can use the Advanced Photon Source at Argonne National Laboratory to conduct research. Excellent start-up package, competitive salary, and state-of-the-art instrumentation available. Successful candidates for this tenure-track position will participate in undergraduate- and graduate-level instruction and must have two to three years of postdoctoral experience in an appropriate field. In addition, candidates must have received graduate and preferably undergraduate instruction in an English-speaking environment (a seven-year residence in such environments will satisfy this requirement).

Evaluation of applications will begin November 3, 2000. Candidates should provide curriculum vitae; a brief statement of research interests; and the names, addresses, and telephone numbers of four references to: **Search Committee (please specify position), Office of the Dean, School of Biological Sciences, 5007 Rockhill Road, University of Missouri-Kansas City, Kansas City, MO 64110.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITION: MOLECULAR PATHOGENESIS. The Department of Microbiology at the University of Colorado Health Sciences Center in Denver invites applications for a tenure-track appointment as an **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. Candidates who work on molecular analysis of pathogenic mechanisms in bacteria, protozoa, or fungi are particularly encouraged to apply. The faculty teaches medical students and participates in graduate programs in microbiology, molecular biology, and biomedical sciences for Ph.D. and M.D./Ph.D. students. Assistant Professor candidates are expected to develop independent, externally funded research programs. Candidates for Associate Professor or Professor must have established research programs and external funding. The academic environment, newly renovated research facilities, and start-up support are excellent. Rank and salary are commensurate with training and experience. Requirements include a Ph.D., M.D., or equivalent degree; experience in microbiology or a closely related field; at least two years of postdoctoral experience; and a strong record of peer-reviewed publications. All candidates should submit curriculum vitae; research plan; and names, mailing addresses, telephone numbers, and e-mail addresses of three professional references. Associate Professor and Professor candidates must also list their active research grants and pending grant applications. Send correspondence to: **Faculty Search Committee Chair, Department of Microbiology, Campus Box B-175, University of Colorado Health Sciences Center, 4200 East Ninth Avenue, Denver, CO 80262.** Review of applications will begin immediately and continue until an appointment is made or the search is terminated. *The University of Colorado Health Sciences Center is committed to Equal Employment Opportunity and Affirmative Action.*

ASSISTANT PROFESSOR PHARMACOLOGY

The Department of Pharmacology at Uniformed Services University of the Health Sciences seeks a candidate with Ph.D. and/or M.D. and potential to develop an independent research program in any area of modern pharmacology. Of special interest are candidates with expertise in signal transduction or neuroscience. This tenure-track position provides a fully funded salary as well as a generous start-up package. The successful candidate will participate in medical and graduate student teaching. USUHS is near National Institutes of Health, Food and Drug Administration, and Washington area biotechnology laboratories. Further information at website: www.usuhs.mil/pha.

Applicant should send curriculum vitae, bibliography, and two-page statement describing current and future research interests and should request letters from three references to be sent to: **Dr. John M. Sarvey, Chair, Pharmacology Search Committee, USUHS Department of Pharmacology, 4301 Jones Bridge Road, Bethesda, MD 20814-4799.** Application review begins October 2000. *USUHS is an Equal Opportunity Employment/Affirmative Action Employer. Applicant must be U.S. citizen or permanent resident. Minorities encouraged to apply.*

California Institute of Technology invites applications for a tenure-track position as **ASSISTANT PROFESSOR** of chemical physics/physical chemistry, including multidisciplinary areas with experimental and/or theoretical emphasis. The initial appointment is four years. Exceptionally well-qualified applicants may also be considered at the **ASSOCIATE** or **FULL PROFESSOR** level. Outstanding candidates who have completed their Ph.D. and have a strong commitment to research and teaching excellence are encouraged to apply. Submit curriculum vitae, publication list, a concise description of proposed research, and three letters of recommendation by November 15, 2000, to: **Professor Ahmed Zewail, Chair, Faculty Search Committee, Arthur Amos Noyes Laboratory of Chemical Physics, 127-72, California Institute of Technology, Pasadena, CA 91125.** *The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*



PROGRAM DIRECTOR
Division of Cancer Biology
DNA and Chromosome Aberrations Branch
National Cancer Institute
National Institutes of Health



The Division of Cancer Biology (DCB), National Cancer Institute (NCI), provides support for and interacts with the basic cancer research community, fosters research initiatives and emerging areas of research, and participates in setting and implementing the scientific and administrative goals of the Institute. The newly established DNA and Chromosome Aberrations Branch (DCAB) within the DCB develops and supports an extramural program of basic cancer research that emphasizes genomic studies at the DNA and chromosome level, including cancer gene discovery, DNA repair, chromosome alterations, epigenetic changes, radiation- and chemical-induced changes in DNA replication and other alterations, and supporting analytical technologies. The DCAB is seeking an interdisciplinary scientist at the GS-13 or GS-14 grade level to assist in the planning, development, administration and evaluation of this grant and contract-supported basic cancer research program. This position is located in Rockville, Maryland.

A doctoral level degree in microbiology, biology, chemistry, basic medical science, biological sciences, chemistry, or an academic field of the health or pertinent sciences (i.e., biochemistry, molecular biology, physiology, etc.) allied to health or health-related research is desirable. Candidates must be U.S. citizens. Candidates should also possess specialized research experience in at least one of the areas indicated above, and should have an understanding of the grants review process and experience in the management/administration of scientific research.

The salary range is \$60,890 to \$93,537 (including locality pay). This position will be open August 10, 2000 through October 6, 2000, under announcement number NCI-00-2510. To obtain information on how to apply and receive a copy of the complete vacancy announcement: via fax, call (301) 594-2953 and enter fax ID #1895; via Internet, <http://careerhere.nih.gov>, select current vacancies, and enter announcement number NCI-00-2510.

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



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Rockville, MD; Montreal, QB

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Exciting non-laboratory opportunities for self-starters with scientific backgrounds who want to learn and grow in a creative environment. These individuals will receive training in the scientific, regulatory, medical and financial aspects of pharmaceutical drug development. See Fellows Program on our website for more information.

The ideal candidates will possess:

- Ph.D. in biological sciences.
- Excellent written and verbal communication skills.
- Initiative and strong interpersonal skills.
- Ability for critical and analytical thinking.

****All applicants must submit a cover letter indicating location preference. All applicants must also submit a writing sample, a publication of which you are the sole or primary author.**

Intellectual Property Specialist

Durham, NC - Patent Attorney or Agent to work on IP development; Ideal candidate will have: MS or Ph.D. (preferred) in scientific discipline, 5 years experience as a patent attorney or patent agent. Excellent written and verbal skills.

Cato Research Ltd. offers unique opportunities, a complete salary and benefits package, and a creative, family-friendly environment in which to grow. For consideration, please forward your cover letter and resume to: **Job 900, Cato Research Ltd., 200 Westpark Corporate Center, 4364 S. Alston Ave., Durham, NC 27713-2280; or email to: bflood@mail.cato.com. No phone calls please.**

For more detailed information on these and other job opportunities, please visit our website at:



www.cato.com

EOE



HOLLAND LABORATORY

**Investigator Position Available
Vascular Biology
Holland Laboratory
American Red Cross**

Applications are invited for a faculty position in the Department of Vascular Biology. The successful candidate will be expected to (1) establish an independent basic research program that complements existing department programs. These include identifying and characterizing growth factor-regulated genes, studying the role of serine proteinase inhibitors in angiogenesis and neuronal survival, investigating the structure and biology of LDL receptor family members and characterizing the role of integrins in facilitating the response of leukocytes to inflammation; (2) serve as a mentor to graduate students through a program with nearby George Washington University; and (3) obtain extramural funding after an initial period of support. The exact area of research is less important than the caliber of the individual and the prospects for synergy with members of the department and other members of the Holland Laboratory. Review of applications will begin immediately and continue until the position is filled. Applicants should send a curriculum vitae, a statement of research interests, and three letters of reference to:

Dudley Strickland, Ph.D.
Head, Vascular Biology Department
Holland Laboratory (HL-175)
American Red Cross
15601 Crabbs Branch Way
Rockville, MD 20855
EOE



**American
Red Cross**

POSITIONS OPEN

FACULTY POSITION PHARMACOLOGY

The Basic Medical Science Department of the College of Osteopathic Medicine at Western University of Health Sciences invites applications for a 12-month tenure-track faculty position. Candidates should hold a Ph.D., have at least two years of postdoctoral training, and an excellent scholarly record. We are seeking an outstanding **TEACHER/SCIENTIST** who is addressing important pharmacological questions; areas of emphasis include but are not limited to central nervous system pharmacology. The position offers a start-up package and new research facilities. The selected candidate will be expected to develop a research program, teach in the curriculum for osteopathic medical students and for allied health professionals, and have an ability to communicate clearly and effectively. The individual should be committed to working in a multicultural environment that fosters diversity and should possess interpersonal skills necessary to interact effectively with other faculty, students, staff, and external constituencies. Academic rank and salary will be commensurate with the candidate's qualifications and experience.

Applicants should submit (1) curriculum vitae, (2) a summary of research and teaching activities/goals, and (3) three letters of reference to: **Dr. Dennis Klück, Search Committee Chair, Western University of Health Sciences, College of Osteopathic Medicine, College Plaza, 309 East Second Street, Pomona, CA 91766. E-mail: dkluck@westernu.edu.** Review of applications will begin immediately and continue until the position is filled. *An Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.*

The Department of Biology at New Mexico State University seeks a tenure-track **ASSISTANT PROFESSOR** of Biology working in applied or environmental microbiology who can teach a medical microbiology course (with laboratory) and participate in general and/or human biology courses. The successful candidate will be expected to seek external funds in developing a research program in an area such as environmental reservoirs of pathogens, mechanisms of pathogenicity, evolution of virulence, or microbial genome analysis. The Department has facilities available to support P-2 level pathogen research and offers the B.S. in microbiology and the B.S., M.S., and Ph.D. in biology. Opportunities are available to participate in the graduate program in molecular biology and the NIH-sponsored Research Initiative for Scientific Enhancement (RISE) program. For more information on the Department, see **website: <http://www.cs.nmsu.edu/~biology/>**. Applicants must have a Ph.D. in an appropriate field and postdoctoral experience is preferred. Send curriculum vitae, statements of teaching and research philosophies, and three letters of reference to: **NMSU Microbiology Search, Dr. Geoffrey Smith, Biology Department MSC 3AF, Box 30001, Las Cruces, NM 88003. Telephone: 505-646-6080.** Deadline for applications is October 6, 2000, or until a suitable candidate is identified. Candidates are scheduled to interview November 2-16, 2000, and job start date is negotiable. *New Mexico State University is an Equal Opportunity/Affirmative Action Employer.*

MICROBIOLOGIST

Joint Program Office for Biological Defense, Falls Church, Virginia, seeking Microbiologist. Salary ranges from \$71,954 to \$110,028. Selectee must meet Army Acquisition Corps requirements or have an approved waiver prior to placement in position. Candidates who meet the basic qualification requirements will be considered. Submit copy of college transcripts or course work complete with number of semester hours and grades received at the time of application. Vacancy Announcement Number is NCX71200AQ and closes October 11, 2000. For more information and to obtain a complete copy of the job announcement, go to **websites: www.usajobs.opm.gov or www.cpol.army.mil**. *The United States Government is an Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR FACULTY DEVELOPMENT POSITION TENURE TRACK (EDUCATION)

Applications are invited for an Assistant Professor, tenure-track (Education) position. This position is oriented towards instruction and faculty development in the Faculty of Science. The successful candidate will have a 75% appointment in the Centre for University Teaching and Learning (CUTL) and a 25% appointment in Education. The position calls for someone who enjoys working in a team-based approach with other faculty developers to make scholarly contributions to higher education and to carry out faculty development activities across the University.

Candidates for the position should provide evidence of (1) expertise and experience in higher education and faculty development, (2) an appropriate background in science, and (3) excellence in teaching and research in higher education. Duties will include consulting with individual professors, team building, providing advice and support for faculty curriculum initiatives, and scholarly contributions to higher education.

Those interested in applying should consult **website: <http://www.education.mcgill.ca/cutl/position>** for further information and list of documents to be submitted.

The expected date of appointment is September 1, 2001. Applications will be considered after November 30, 2000. Position will remain open until it is filled. Candidates who have previously applied should not reapply. Applications and inquiries should be directed to: **Director, Centre for University Teaching and Learning, 3700 McTavish Street, Montreal, Quebec H3A 1Y2 Canada. FAX: 514-398-6968.**

In accordance with Canadian immigration requirements, initial priority will be given to Canadian citizens and permanent residents. McGill University is committed to Equity in Employment.

ASSISTANT/ASSOCIATE PROFESSOR Faculty Position at the Breast Center Baylor College of Medicine

The Breast Center at Baylor College of Medicine in Houston, Texas, invites applications for a tenure-track position at the level of Assistant or Associate Professor. We seek to recruit outstanding individuals who can complement strengths of the Center, including research areas such as DNA repair, hereditary breast cancer genes, angiogenesis, the normal human mammary gland, metastasis, and molecular epidemiology.

Candidates with a Ph.D. or an M.D. degree and an excellent record of productivity should submit (before December 2000) curriculum vitae, copies of three key publications, a summary of past work, future research plans, and at least three letters of reference to:

**Dr. Suzanne A. W. Fuqua
Chair, Search Committee
Breast Center
Baylor College of Medicine
One Baylor Plaza, MS: 600
Houston, TX 77030
FAX: 713-798-1642**

Equal Opportunity/Affirmative Action/Equal Access Employer.

UNIVERSITY OF FLORIDA

Seeks a **CLINICAL ASSISTANT/CLINICAL ASSOCIATE PROFESSOR** for the Department of Medicine, Division of Gastroenterology. M.D. degree; Board-certified/Board-eligible in gastroenterology. This is a full-time, nontenure-track position with responsibilities to provide excellent clinical and endoscopic care for the gastrointestinal patients at the Florida Surgical Center at Shands Hospital. Salary and benefits commensurate with experience. Recruiting deadline is September 21, 2000. Anticipated starting date is November 1, 2000. Please submit curriculum vitae to: **Girish Mishra, M.D., Assistant Professor, Division of Gastroenterology, Box 100215, Gainesville, FL 32610.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSORS UNIVERSITY OF WISCONSIN-MADISON

The Division of Pharmaceutical Sciences at the University of Wisconsin-Madison School of Pharmacy is seeking two tenure-track **ASSISTANT PROFESSORS** to begin between July 1 and September 1, 2001. The positions are likely to be filled at the Assistant Professor level but outstanding candidates at the **ASSOCIATE PROFESSOR** level will be considered. The position requires a Ph.D. in medicinal chemistry, chemistry/biochemistry, or a related discipline; postdoctoral research experience; and outstanding research potential. The successful candidate will be expected to establish an independent research program in one of the following areas: synthesis and evaluation of novel macromolecular ligands with a potential for use in new types of drug therapy, develop novel methods for drug design, elucidate the biochemistry and genetics of natural product biosynthesis, and develop novel approaches to combatting drug resistance. Other innovative research endeavors consistent with a department whose focus is in drug research at the chemistry/biology interface would be considered. Teaching duties will include teaching medicinal chemistry, biochemistry, and related courses for undergraduate and professional students and a graduate course to be devised by each new faculty member. The successful applicants will occupy state-of-the-art laboratories in the newly constructed Rennebohm Hall.

Applications must be received by November 1, 2000. Send a statement of research and teaching interests; curriculum vitae; selected reprints; and the names, addresses, telephone numbers, and e-mail addresses of three references to: **Professor Daniel H. Rich, Medicinal Chemistry Search Committee, School of Pharmacy, University of Wisconsin-Madison, 425 North Charter Street, Madison, WI 53706.** *The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer and strongly encourages women and minorities to apply.*

ASSISTANT OR ASSOCIATE PROFESSOR FOOD OR NUTRITIONAL SCIENCE THE UNIVERSITY OF TEXAS AT AUSTIN

The Division of Nutritional Science of the Department of Human Ecology invites applications for a tenure-track position. Candidates will be expected to establish/maintain a strong extramurally funded research program and teach undergraduate and graduate courses. Applicants must possess a Ph.D. or equivalent degree in food or nutritional science or a related field and postdoctoral experience. Please send curriculum vitae, summary of research interests, and five letters of reference to: **Chair, Nutritional Sciences Search Committee, Department of Human Ecology, The University of Texas at Austin, Austin, TX 78712.** Review of applications begins November 1, 2000. Overview of division available at **website: http://www.utexas.edu/depts/he/nutr_science/**. *University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.*

The Psychology Department at Boston College invites applications for a tenure-track **ASSISTANT PROFESSOR** position in behavioral neuroscience, which will begin on September 1, 2001. Responsibilities will include research and undergraduate/graduate teaching. Applicants must have a Ph.D., postdoctoral experience, and an active research group. Those studying central mechanisms of learning and memory in adult or developing animals using anatomical, electrophysiological, molecular, or functional genetic methods are especially encouraged to apply. Under exceptional circumstances, we would consider hiring at a higher level. For more information, see **website: www.bc.edu/bc_org/avp/cas/psych/psych.html**. Submit letter of application, curriculum vitae, statements of research and teaching interests, and three letters of reference by December 31, 2000, to: **Behavioral Neuroscience Search Committee, Boston College, Department of Psychology, McGuinn Hall, 140 Commonwealth Avenue, Chestnut Hill, MA 02467.**

Ground-breaking Research. Advanced Technology. Dedicated People.

At Axys Pharmaceuticals, our scientific staff employs state-of-the-art techniques to develop therapeutic treatments for cancer. We currently have opportunities in our South San Francisco facility for dedicated professionals to join our interdisciplinary R&D team. If you are committed to quality and excellence, bring your skills and expertise to Axys Pharmaceuticals and play an integral role in our success.

Group Leader, Protein Expression

You will direct the activities of a group of 5-7 scientists who are responsible for providing fermentation and protein production support for internal & partnered programs. Candidates must possess a Ph.D. in biochemistry or related field with 2+ years' post-doctoral experience and 5+ years' industry experience in protein purification & characterization (10 -100 mg scale). (Job# 00-009-SCI)

(Senior) Scientist, Protein Expression

You will be responsible for cloning new target genes and developing efficient expression systems to produce recombinant proteins for assay development, high throughput screening, and X-ray crystallography. Candidates must possess a Ph.D. in molecular biology, biochemistry, or related field with 2+ years of relevant post-doctoral and/or industrial experience. (Job# 00-050-SCI)

Scientist, Enzymology/HTS

You will represent the enzymology department on project teams, provide scientific leadership to enzymology research associates, and conduct research to identify new targets. Candidates must possess a Ph.D. in biochemistry or related field and 2+ years of postdoctoral experience with a proven publication record. (Job# 00-049-SCI)

Scientist, Tumor Biology

You will develop, characterize, and implement in vivo tumor and angiogenesis models for profiling drug candidates evolving from ongoing oncology drug discovery programs. Requires a minimum of 5 years' post-Ph.D. experience involving the development, implementation, and utilization of cell and animal oncology models to evaluate compounds. (Job# 00-010-SCI)

Research Associate, Protein Expression

You will be responsible for the cloning of genes encoding new drug targets and other genes of interest, and the expression of proteins in a number of expression systems including E.coli, yeast, mammalian cells and baculovirus. Requires a BS in Biology, or related field, with 2+ years' experience in DNA cloning, PCR analysis, automated DNA sequencing, immunoprecipitation, hybridization, site directed mutagenesis, and E.coli and Mammalian cell culture. (Job# 00-057-SCI)

Research Associate, Medicinal Chemistry (Mass Spectrometry)

You will help analyze small molecules and peptides as part of a dynamic oncology discovery team, including day-to-day maintenance and operation of analytical instruments, especially LC/MS (Finnigan, HP, Sciex) and NMR (JEOL, GE). Requires at least 2 years' experience in instrument operation and maintenance, mass spectrometry, HPLC, and NMR. (Job# 00-052-SCI)

For more information on these positions, please visit our website or stop by and see us at the BioSpace.com Life Sciences Career Fair at The Westin Hotel, 5101 Great America Parkway, Santa Clara, CA, Saturday, September 23rd from 10am to 3pm.

Besides attractive salaries and outstanding benefits, we offer the opportunity to be part of a dynamic environment that fosters professional & personal growth. Please forward your resume/cv to:

Axys Pharmaceuticals
HR Department
Attn: (Job#)
180 Kimball Way
South San Francisco, CA 94080
Email: human_resources@axyspharm.com



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EVERY DAY.**

TENURE TRACK POSITION/APPLIED PHYSICS CORNELL UNIVERSITY

The School of Applied and Engineering Physics at Cornell University is seeking applications for a tenure-track, assistant professor position which is expected to be filled as early as January 1, 2001. Consideration of applications for an associate or full professor level position may also be given to exceptionally well qualified individuals.

Candidates must be able to demonstrate the ability to develop a highly successful independent research program in an experimental or computational area of applied physics, and to participate effectively in the teaching of the applied physics curriculum at both the undergraduate and graduate level. Areas of interest in this search include, but are not limited to, optics and photonics, nanostructure science and technology, materials physics and biological physics. Prospective candidates who wish to pursue interdisciplinary research efforts are strongly encouraged to apply. The successful applicant can expect a very competitive level of support for the start-up of a research program, and considerable institutional resources are available at Cornell that can strengthen this research program and support interdisciplinary and collaborative research ventures. The successful candidate can expect to benefit from association with one or more of Cornell's interdisciplinary research centers, national facilities, and national resources. These include the NSF funded Cornell Center for Materials Research, the Nanobiotechnology Center, the Cornell Nanofabrication Facility (a major node of the National Nanofabrication Users Network), the Cornell High Energy Synchrotron Source, the Cornell Theory Center (a high performance computation facility), the Biotechnology Center, and the NIH funded resources for Macromolecular X-ray Diffraction and for Biophysical Imaging.

Applications, which should include a resume, a statement of research interests, copies of most significant publications or preprints, and names of several references, should be submitted to: **Director, School of Applied and Engineering Physics, 210A Clark Hall, Cornell University, Ithaca, New York 14853-2501.**

<http://www.aep.cornell.edu>

CORNELL
UNIVERSITY

Cornell University is an Equal Opportunity/Affirmative Action Employer and strongly welcomes nominations of, and applications from, women and underrepresented minorities.

<http://www.cornell.edu>

*New England Biolabs,
a world leader in the
manufacture and supply
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and Cell Biology, has
the following position
available.*



**NEW ENGLAND
BioLabs^{Inc.}**

Postdoctoral Fellow

Immediate postdoctoral position available to study protein splicing and its applications (see <http://www.neb.com> for more details). Experience with protein expression and engineering, microbial fermentation (e.g. bench-top fermentor), yeast/mammalian cell culture is required.

Send a recent resume and three references to: **Dr. Shaorong Chong**, or email to chong@neb.com.

**New England Biolabs, Inc.
32 Tozer Road
Beverly, MA 01915**

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POSITIONS OPEN

PLANT BIOLOGIST UNIVERSITY OF WASHINGTON

The Department of Botany, University of Washington, seeks to fill a tenure-track position for a Plant Biologist whose research addresses fundamental questions in evolution, systematics, or population biology. Candidates are expected to have expertise in natural history and whole-organism biology and use genetic, physiological, or mathematical approaches in their research. Willingness to participate in cross-disciplinary collaborations is essential. We expect to hire at the **ASSISTANT PROFESSOR** level, but exceptional candidates at the **ASSOCIATE** or **FULL PROFESSOR** rank may be considered if they have a demonstrated record of mentoring students in underrepresented groups (woman and students of color). Applicants should have a Ph.D. degree at the start of the appointment. The position requires teaching a graduate course in a field of specialization and undergraduate courses in plant organismal biology. Applicants should submit curriculum vitae, statement of teaching and research interests, and three letters of recommendation to: **Chair, Search Committee, Department of Botany, Box 355325, University of Washington, Seattle, WA 98195-5325 U.S.A.** Priority will be given to applications received by December 15, 2000.

A competitive recruitment and selection process is being conducted and if a U.S. worker or permanent resident is not selected pursuant to this process, an application for Alien Employment Certification may be filed on behalf of an alien to fill the job opportunity. The University is an Equal Opportunity/Affirmative Action Employer. The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates.

FACULTY POSITION MOLECULAR VIROLOGY Indiana University, Bloomington

The Department of Biology seeks to hire a Molecular Biologist/Biochemist who studies viruses, viral molecules, and/or virus-cell interactions for a tenure-track position at the level of **ASSISTANT PROFESSOR** or above. The successful candidate will join a strong and growing group of molecular scientists at Indiana University. Junior candidates should send curriculum vitae; a statement of past, present, and planned research; representative publications; and arrange to have four letters of reference sent to: **Virology Search Committee, Department of Biology, Indiana University, 1001 East Third Street, Bloomington, IN 47405-3700. FAX: 812-855-6705; e-mail: ckao@bio.indiana.edu.** Senior candidates should send a letter of interest and curriculum vitae. Application review will begin October 15, 2000. For more information about the IU Biology Department, see **website: <http://www.bio.indiana.edu>**. We are committed to increasing the representation of women, minorities, and disabled individuals and encourage applications from such candidates. Inquiries from dual-scientific-career couples are welcome.

ANIMAL PHYSIOLOGIST

Tenure-track position at the **ASSISTANT PROFESSOR** level beginning August 2001 for a broadly trained Physiologist with expertise in any area of current research and a commitment to teaching and research at an undergraduate institution. Candidates must possess a Ph.D. and have the potential to develop a research program involving significant undergraduate participation. Responsibilities include teaching an advanced course addressing fundamentals of modern physiology, participation in the introductory curriculum, and academic advising. Applicants should send curriculum vitae, statement of teaching philosophy, summary of research interests, and names and telephone numbers of three references to: **Professor Thomas L. Koppenheffer, Chair, Department of Biology, Trinity University, San Antonio, TX 78212.** Application deadline is October 9, 2000. Trinity University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.

POSITIONS OPEN

THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER *Making Cancer History™*

FACULTY POSITION

The University of Texas M. D. Anderson Cancer Center seeks highly qualified applicants for tenure-track appointment as **ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR** in the Department of Neuro-Oncology, with joint appointment in a basic science department. Generous start-up funds and excellent laboratory space are available. Candidates must have M.D. and/or Ph.D. and postdoctoral experience. Although we are generally interested in the areas of glial cell differentiation and development, genetic control of cell differentiation and transformation, stem cell biology and biology of PTEN/MMAC-1 or other tumor suppressor proteins, suitable candidates in all other fields will be considered. Current research in the Department includes signal transduction, angiogenesis, developmental biology, transcription biology, and synthetic chemistry.

Applicants should send their curriculum vitae along with three letters of references to: **W. K. Alfred Yung, M.D., Department of Neuro-Oncology, University of Texas M. D. Anderson Cancer Center, Box 100, 1515 Holcombe Boulevard, Houston, TX 77030.** Equal Employment Opportunity Employer/smoke-free environment. Women and minority candidates are encouraged to apply.

ASSISTANT PROFESSORSHIP IN BIOCHEMISTRY AT CLARK UNIVERSITY

The Carlson School of Chemistry and Biochemistry at Clark University invites applications for a tenure-track faculty position at the Assistant Professor level. Applicants must have a Ph.D. and demonstrated excellence in research. A desired area of research expertise is computational biochemistry (biocomputing, structural genomics, prediction of protein and RNA structure and function, MD, MC, or quantum chemistry), but other areas of biochemistry also will be considered. Clark University (**website: www.clarku.edu**), which is located in central Massachusetts about one hour from Boston, has a strong commitment to undergraduate and graduate teaching and research. The department is instrumentally and computationally well equipped and has a modern NMR facility for biomolecular and polymer research and a Beowulf cluster. Applications should include curriculum vitae, a statement of research accomplishments, a research proposal, and a statement on teaching interests and philosophy to be sent to: **Professor M. Turnbull, Faculty Search Chair, Carlson School of Chemistry and Biochemistry, Clark University, Worcester, MA 01610.** Three letters of recommendation should be sent to the same address. Application deadline: October 15, 2000, or until position is filled. Clark University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

RESEARCH ASSOCIATE: \$30,000 per year; 12 months. Conduct independent research for analysis and interpretation of cell culture system in regard to differential expression of genes and cloning and sub-cloning of cDNA and genomic DNA and subsequent analysis using a variety of molecular biology techniques (restriction enzyme mapping, map intro/exon borders, analysis of protein coded by cDNA). Isolate and characterize osteoglycin; determine the distribution of osteoglycin compared to decorin, biglycan, and epiphygan during embryonic development; characterize the interactions of osteoglycin with other extracellular matrix molecules; characterize the mouse osteoglycin gene and generate mice deficient in osteoglycin. Requires Master's degree in biochemistry or related science.

Apply at: **Texas Workforce Commission, Houston, TX**, or send résumé to: **Texas Workforce Commission, 1117 Trinity, Room 424T, Austin, TX 78701.** Job Order Number **TX0944609.** Ad paid by an Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR OF GENETICS

Applications are invited for a tenure-track position in the Department of Genetics with primary research and teaching interests in molecular genetics. The successful candidate will be expected to develop a strong creative research program and have a commitment to teaching at the graduate and undergraduate levels. The appointment could begin as early as September 1, 2001. To apply, send curriculum vitae, list of publications, brief statement of research interests, and three letters of reference to:

**Search Committee
Department of Genetics
University of Georgia
Athens, GA 30602-7223**

Applications received by November 10, 2000, will be assured of full consideration.

The Department of Genetics at the University of Georgia consists of 20 faculty members, including three members of the National Academy of Sciences. In addition to its vibrant research atmosphere, the Department takes pride in the quality of its graduate student training program, which has been supported by an NIH training grant for the past 25 years. The selected candidate will be provided start-up funds, equipment, and excellent laboratory space in a recently completed, state-of-the-art research building. Athens, located 75 miles from Atlanta in the rolling hills of northern Georgia, provides a pleasant, college town living environment. For additional information, please visit our **website: www.genetics.uga.edu** or contact **Dr. Sidney Kushner, Search Committee Chair, at Telephone: 706-542-8000; e-mail: skushner@arches.uga.edu**.

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

TENURE-TRACK INVESTIGATOR LABORATORY OF IMMUNOGENETICS National Institute of Allergy and Infectious Diseases

The Laboratory of Immunogenetics (LIG), National Institute of Allergy and Infectious Diseases (NIAID), has an opportunity for a tenure-track investigator to establish an independent research program within the Laboratory. The research in the LIG is broadly focused on the cellular and molecular basis of immune cell activation encompassing a wide spectrum of experimental approaches from the structural biology of immune cell receptors to the cell biology of receptor signaling. For more information about LIG and NIAID intramural programs, see **website: <http://www.niaid.nih.gov/dir/>**. An ideal candidate would have training in cell biology and imaging, complement existing strengths, and catalyze new avenues of research into immune cell activation. Candidates must have a Ph.D. and/or an M.D. degree. Desired experience includes several years of postdoctoral research or equivalent experience. Successful candidates will have established an outstanding record of research accomplishments reflected in a strong publication record. Curriculum vitae, bibliography, three letters of reference, a detailed statement of research interests, and selected publications must be submitted by November 30, 2000, to: **Dr. Jonathan Yewdell, Chairperson, c/o Lakeasha Mingo, Executive Secretary, Building 10, Room 4A26, 10 Center Drive MSC 1356, Bethesda, MD 20892-1356.** All applicants will be notified either by e-mail or telephone when their application is received. The NIH is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Postdoctoral positions are available to study the structure/function of p21-activated protein kinase in the induction of cytoskeleton and apoptosis and the molecular mechanisms involved. Expertise in molecular biology, biochemistry, and/or confocal microscopy with research experience in signal transduction is preferred. Please contact: **J.A. Traugh, Department of Biochemistry, University of California, Riverside, CA 92521.** E-mail: **Traugh@mail.ucr.edu**.

FACULTY POSITIONS



CANCER BIOLOGY & GENETICS

The UNC Lineberger Comprehensive Cancer Center is searching for individuals with promising or established research programs in the broad areas of cancer biology or genetics. Successful candidates will be placed in tenure-track positions at The University of North Carolina at Chapel Hill. Primary departments and rank will be determined by the applicant's qualifications. Laboratory space in the recently expanded Cancer Center building and generous start-up funds will be provided. The search will be coordinated by Albert Baldwin, Ph.D., Associate Director.

Positions in cancer biology will emphasize, but are not limited to: angiogenesis, metastasis, signal transduction, oncogenes, tumor suppressors, DNA recombination and

repair, cell cycle, cell structure and signaling, gene expression, steroid hormones and receptors, cancer therapeutics, carcinogenesis, animal models of cancer and developmental biology.

Positions in genetics will emphasize: the genetics of complex traits, genomics, informatics, predisposition to cancer (including the study of modifiers in both humans and mice), animal models, etc. A liaison to translational research or to population-based molecular epidemiology is anticipated.

Applicants should send a curriculum vitae, a description of research plans, and four letters of reference to:

Ms. E. Melissa Stroud
UNC Lineberger Comprehensive Cancer Center
CB# 7295
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7295

The committee will begin reviewing applications November 15th

The University of North Carolina at Chapel Hill is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

SENIOR SCIENTIFIC PROGRAM AND POLICY ANALYST

National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) National Institutes of Health (NIH)

The Institute is seeking Ph.D. and/or M.D. applicants for a key position within its Office of Scientific Program and Policy Analysis. This Office is responsible for guiding the Institute's strategic planning, legislative analysis, and program analysis functions and is located within the Office of the Director. Applicants with post-doctoral experience in planning, analyzing and describing research programs are particularly encouraged to apply, as are individuals seeking an opportunity for career transition from laboratory science to science-policy positions. Ideally, applicants will combine superior technical knowledge of the biomedical sciences—obtained through completion of a doctoral—level degree—with a demonstrated ability to develop a wide range of policy-significant documents for lay audiences. These documents typically convey the short- and long-term objectives of the Institute, current research accomplishments, compelling scientific opportunities and public health needs, strategies for capitalizing on emerging technologies and scientific discoveries, and the impact of biomedical research on understanding, diagnosing, treating and preventing disease. This position requires an ability to analyze operating programs, follow trends, synthesize data, and present the essence of research findings in integrated themes that unite the categorical disease programs of the Institute. Essential to this position is the ability to perceive and convey the importance of biomedical research to human health in global, understandable terms. Productive and collegial interaction is required with scientific program staff at all levels of the Institute and with members of the broad biomedical research community. Total salary is competitive and will be commensurate with the experience of the selectee.

Please submit current curriculum vitae to the attention of:

Ms. Joanna Voight
Office of Human Resource Management
NIDDK/NIH – Building 31, Room 9A30
31 Center Dr. MSC 2560
Bethesda, Maryland 20892-2560

Applications must be postmarked by
September 25, 2000, and received by
close of business September 29, 2000.



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GRANTS



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Announces a Call for Grant Applications
in the Area of HIV-Associated Metabolic Disturbances.
BMS, as a leader in HIV therapy, recognizes the need to study the pathophysiological mechanisms contributing to HIV-associated lipodystrophy/lipoatrophy and fat redistribution syndrome, and its associated dyslipidemia and metabolic disturbances. Grant proposals examining potential molecular, biochemical, metabolic, immunologic, virologic, and pharmacologic mechanisms will be accepted for review by the BMS Lipodystrophy Basic Science Task Force.

Grant applications can be obtained by contacting:

Yanina Wachtfogel
Chair, BMS Lipodystrophy Basic Science Task Force
Bristol-Myers Squibb Oncology/Immunology
777 Scudders Mill Road
Plainsboro, NJ 08536
(609) 897-3671

POSITIONS OPEN

FACULTY POSITION IN MICROBIOLOGY UNIVERSITY OF MARYLAND, BALTIMORE

A full-time tenure-track or tenured faculty position is available at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. We are interested in outstanding individuals who have established or will establish independent research programs in prokaryotic or eukaryotic microbiology focused on molecular mechanisms of pathogenesis. The successful applicant for this position would also be well qualified to contribute to departmental teaching efforts in graduate and professional school courses. For more information about research in microbiology at the University of Maryland, please visit our website: <http://www.umaryland.edu/dental/OCBS/>. Minimum qualifications: Ph.D. in microbiology or a related biological science discipline or an M.D. or D.D.S. degree with extensive postdoctoral experience. Position will remain open until a qualified candidate is identified. To apply, please submit curriculum vitae, summary of research and teaching interests, and the names and addresses of three references to: **Dr. William A. Falkler, Jr., Department of OCBS, University of Maryland, Baltimore, 666 West Baltimore Street, Baltimore, MD 21201.** *The University of Maryland is an Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act Employer. We especially encourage women and minorities to apply.*

JILA, a premier academic research institute administered jointly between NIST and the University of Colorado, has two **PERMANENT FACULTY OPENINGS** for highly motivated and creative candidates who will develop world-class research programs involving quantum physics and multidisciplinary chemical physics. The positions require the individuals to establish active research groups of graduate, undergraduate, and postdoctoral students; acquire sources of outside funding; and participate in departmental teaching responsibilities. Candidates with a strong quantum optics/laser background and interest in rapidly emerging fields such as nanostructural technologies, molecular biophysics, and scanned-probe or single-molecule microscopies are particularly encouraged to apply. The salary range is \$50,000 to \$80,000 depending on experience and qualifications.

Interested persons should send curriculum vitae and a detailed research proposal (two to three pages), as well as arrange for three letters of recommendation to be sent to: **Search Committee, JILA, Campus Box 440, University of Colorado, Boulder, CO 80309-0440.** Applications should be received by November 1, 2000. For further information, see the JILA website: jilawww.colorado.edu or contact us at e-mail: search@jila.colorado.edu. *The University of Colorado at Boulder is committed to diversity and equality in education and employment. U.S. citizenship preferred.*

TENURE-TRACK POSITIONS DEPARTMENT OF PHYSIOLOGY THE UNIVERSITY OF TENNESSEE

The University of Tennessee, Department of Physiology, is actively recruiting for three tenure-track faculty positions. Academic rank is dependent upon experience and qualifications. Candidates should have a Ph.D. or M.D. degree, a good track record in publications, and postdoctoral research experience with a background in cellular and/or molecular biology. The abilities to establish an independent research program in the areas of cardiovascular, gastrointestinal, developmental, endocrine, or epithelial physiology and to engage in teaching activities of the Department are expected. See our website: <http://physiol.utm.edu> for information regarding the Department.

Applicants should send curriculum vitae, copies of three representative publications, and the names of three references to: **Dr. Leonard R. Johnson, Chair, University of Tennessee Department of Physiology, 894 Union Avenue, Memphis, TN 38163.** These positions will remain open until filled. *University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans with Disabilities Act/Age Discrimination in Employment Act Employer. Minorities and females are encouraged to apply.*

POSITIONS OPEN

AQUATIC ECOLOGIST

The Biology Department at the College of the Holy Cross invites applications for a tenure-track **ASSISTANT PROFESSORSHIP** in aquatic ecology. An Aquatic Ecologist will be hired to teach a laboratory course in aquatic biology, a second upper-division course in the applicant's area of expertise, and a course in environmental biology for nonscience majors. Participation in our interdisciplinary program in environmental studies is expected. The successful candidate will hold a Ph.D. at the time of appointment and will be expected to develop an active research program involving undergraduate students. The research must be compatible with the environment of a well-equipped liberal arts college that values and supports research. Holy Cross is a highly selective liberal arts college with an enrollment of 2,700 students that values excellence in both undergraduate teaching and research. Applications, consisting of curriculum vitae, transcripts, copies of publications, and letters from three references, should be submitted no later than 15 October 2000 to: **Dr. Kenneth N. Prestwich, Chair, Ecology Search Committee, Department of Biology, College of the Holy Cross, Worcester, MA 01610.** *The College of the Holy Cross is committed to a policy of Equal Opportunity and does not discriminate on the basis of race, religion, sex, age, national origin, veteran status, or disability.*

ECOLOGIST: FULL PROFESSOR AND DEPARTMENT CHAIR. The interdisciplinary Department of Environmental Science and Policy at University of California, Davis, seeks an individual who will serve as Department Chair and teach and conduct research in ecology. An outstanding record of research is required. Specific area of research is open, and desirable areas of research include field ecology, community/ecosystem ecology, and physical/biological interfaces. Further information is available at website: <http://www.des.ucdavis.edu/chairsearch>.

Final review of applications will begin on October 16, 2000. The position will remain open until filled. Send cover letter, curriculum vitae, selected publications, and the names and addresses of three persons who will provide letters of recommendation to:

**Alan Hastings, Search Committee Chair
Department of Environmental Science and Policy
University of California
One Shields Avenue
Davis, CA U.S.A. 95616
Telephone: 530-752-8116
E-mail: amhastings@ucdavis.edu**

The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

BIOCHEMIST

The Biology Department at the College of the Holy Cross invites applications for a tenure-track **ASSISTANT PROFESSORSHIP** in biochemistry. A Biochemist will be hired to teach biochemistry and immunology lecture and laboratory courses, develop a course for nonscience majors, and participate in our biochemistry concentration. The successful candidate will hold a Ph.D. at the time of appointment and will be expected to develop an active research program involving undergraduate students. The research must be compatible with the environment of a well-equipped liberal arts college that values and supports research. Holy Cross is a highly selective liberal arts college with an enrollment of 2,700 students that values excellence in both undergraduate teaching and research. Applications, consisting of curriculum vitae, transcripts, copies of publications, and letters from three references, should be submitted no later than 1 November 2000 to: **Dr. Mary E. Morton, Chair, Biochemistry Search Committee, Department of Biology, College of the Holy Cross, Worcester, MA 01610.** *The College of the Holy Cross is committed to a policy of Equal Opportunity and does not discriminate on the basis of race, religion, sex, age, national origin, veteran status, or disability.*

POSITIONS OPEN

JUNIOR FACULTY POSITIONS UNIVERSITY OF CALIFORNIA, IRVINE

As a part of the expansion of medical genomics at the University of California, Irvine, the Department of Biological Chemistry in the College of Medicine invites applications for a state-funded faculty position at the **ASSISTANT PROFESSOR** level. Applicants should hold the Ph.D. or Ph.D./M.D. degree and have an outstanding record in biomedical research. Preference will be given to candidates using innovative approaches in vertebrate model or human systems to address fundamental molecular problems in the areas of development and disease. The individual is expected to establish and maintain an independent research program of high caliber and participate in the training of graduate and medical students. Exceptional candidates at the **FULL PROFESSOR** level may be considered for an endowed chair position. Curriculum vitae, brief research description, representative publications, statement of teaching interests, and three letters of reference should be submitted prior to December 15, 2000, to: **Department of Biological Chemistry Search Committee, Department of Biological Chemistry, College of Medicine, D240 Medical Science I, University of California, Irvine, CA 92697-1700.** E-mail applications will not be accepted. *The University of California, Irvine, is an Equal Opportunity Employer.*

CHAIR, DEPARTMENT OF NEUROLOGY COLLEGE OF MEDICINE UNIVERSITY OF FLORIDA

The University of Florida College of Medicine seeks a distinguished individual to serve as **PROFESSOR** and **CHAIR OF THE DEPARTMENT OF NEUROLOGY**. Applicants should have an M.D. or M.D./Ph.D. degree and demonstrated accomplishments in clinical service, education, research, and administration. The Chair is responsible for leadership and management of the Department including faculty recruitment and development, undergraduate and graduate medical education, fiscal affairs, clinical programs, and research. The Chair will also assure an effective interface between the Department and the McKnight Brain Institute, a major universitywide initiative. The position offers a competitive salary. Applications and nominations along with current curriculum vitae should be sent to: **C. Craig Tisher, M.D., Senior Associate Dean and Chair, Neurology Search Committee, P.O. Box 100215, University of Florida, Gainesville, FL 32610-0215** before November 30, 2000. The anticipated start date of the position is on or after July 1, 2001. *The University of Florida is an Equal Opportunity Employer, and minorities and women are encouraged to apply.*

ASSISTANT PROFESSOR OF BIOCHEMISTRY BRANDEIS UNIVERSITY

The Department of Biochemistry, Brandeis University, seeks a tenure-track **ASSISTANT PROFESSOR** beginning September 2001. Candidates should have strong research interests in macromolecular chemistry, mechanism, folding, or structure and should be skilled at teaching in the general area of biochemistry and biophysics. Applicants should send curriculum vitae, including a succinct summary of present research activities and future plans, and should arrange for submission of three letters of reference. All materials should be directed to:

**Christopher Miller, Biochemistry Search Chairman
Department of Biochemistry
Howard Hughes Medical Institute
Brandeis University, Mail Stop 013
Waltham, MA 02454**

Detailed information about biological sciences at Brandeis University may be accessed at website: www.bio.brandeis.edu. To guarantee full consideration, candidates should apply by October 31, 2000. *Brandeis University is an Affirmative Action/Equal Opportunity Employer encouraging applications from qualified women and minority candidates.*

A Life's Calling

*Can you hear it?
This could be your greatest challenge.*

Research Assistant

In this position, you will assist in providing antibody production and purification services at our Monoclonal Core Facility. Requires a BS with 5 years of experience or an MS with 3 years of experience, specifically in areas of cell culture, immunization, and hybridoma cell fusion technology. Experience with protein purification and/or modification is desired.

We offer an excellent salary and comprehensive benefits, including 100% tuition reimbursement. Please forward your resume and salary requirements to: **Employment Department, #00163.1R, MSKCC, 633 Third Avenue, 5th Floor, New York, NY 10017. E-mail: brown@mskcc.org. Website: www.mskcc.org. EOE/AA**



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Faculty Position

Department of Biological Sciences

The Department of Biological Sciences at **Dartmouth College** seeks applicants for a tenure track position in the broadly defined area of **Cellular and Molecular Biology**. The successful candidate will be expected to supervise an independent research program that will attract extramural funding and provide research training for graduate and undergraduate students. The suitable applicant will join a group of faculty whose research involves cellular, biochemical and genetic approaches to studying problems in a number of model systems. Candidates should expect to participate in teaching cell biology or biochemistry at the undergraduate and graduate levels. Send a current curriculum vitae, a statement of research and teaching interests, a list of referees (including FAX numbers and e-mail addresses), and arrange to have at least three letters of reference sent under separate cover to: **Search Committee, Department of Biological Sciences, Dartmouth College, Hanover, NH 03755-3576.**

Although materials can be submitted by FAX (603-646-1347), note that the original documents are ultimately required. Application review will begin on October 10, 2000 and continue until the position is filled. For further information, see <http://www.dartmouth.edu/~biology/>.

Women and members of minority groups are strongly encouraged to apply. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

GLOBAL OPPORTUNITIES

THE UNIVERSITY OF HONG KONG

香港



大學

The University of Hong Kong is one of the leading international comprehensive research universities in the Asia-Pacific region, with more than 100 departments and sub-divisions of studies and learning. There is currently an enrolment of more than 15,000 students (6,000 at postgraduate level). Research students come from more than 40 countries. The medium of instruction is English. The University is committed to its vision of globalisation, together with excellence in scholarship and research.

Research Assistant Professorships and Post-doctoral Fellowships

Applications are invited for a number of positions as Research Assistant Professor (RAP) (Ref: RF-2000/2001-63) and Post-doctoral Fellow (PDF) (Ref: RF-2000/2001-64), tenable before 1 August 2001. Appointments will be made for a period of 2 to 3 years.

RAP and PDF are posts created by the University with the aim of injecting fresh impetus and vigour to the University's research enterprise, in order to complement and broaden its existing research expertise in certain areas. Appointees are expected to bring in new research ideas and cutting-edge technologies.

Research Assistant Professors

The main focus of an RAP's duty is research. They can however be assigned teaching duties, up to 50% of the normal teaching load. Applicants should be research active and have a proven publication record. Appointments will be made usually on the first point of the 4-point salary scale HK\$43,060, HK\$46,190, HK\$49,280 and HK\$52,405 per month (approx. £3,702; £3,971, £4,237 and £4,505 per month; Sterling equivalents as at 23 August). A (taxable) financial subsidy towards rented accommodation, leave, medical and dental benefits, and an allowance for children's education in Hong Kong will be offered.

Postdoctoral Fellows

PDFs are expected to focus on research. Applicants should be PhD degree holders. Appointments will be made usually on the first point of the 4-point salary scale HK\$30,785, HK\$33,705, HK\$36,940 and HK\$40,500 per month (approx. £2,647, £2,899, £3,176 and £3,482 per month; Sterling equivalents as at 23 August). Annual leave, medical and dental benefits and an allowance for children's education in Hong Kong will be provided.

Where posts are held

A full listing of the research areas and the departments or academic units in which the posts are recruited is shown on the University's webpage at <http://www.hku.hk/apptunit>.

Procedures

Interested applicants are strongly advised to contact, in the first instance and prior to making an application, the Head of the appropriate department or academic unit to ascertain the level of posts available and to obtain information about current research initiatives and activities.

Applicants must submit a completed University application form, which should clearly state which position they are applying for; and in which academic discipline. Applicants who are applying for two positions should fill in two sets of application forms. They should also provide further information such as details of their research experience, publications, research proposals etc.

Further particulars and application forms can be obtained on WWW at <http://www.hku.hk/apptunit>; or from the Appointments Unit (Senior), Registry, The University of Hong Kong, Hong Kong (Fax (852) 2540 6735 or 2559 2058; E-mail: apptunit@reg.hku.hk). Closes **5 October 2000**.

The University is an equal opportunity employer and enjoys a smoke-free environment

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR BEHAVIORAL NEUROSCIENCE

Tenure-track **FACULTY OPENING** in the Department of Behavioral Neuroscience, School of Medicine, Oregon Health Sciences University (OHSU). We seek an individual with an outstanding research record who possesses the ability to develop and maintain an active, extramurally funded research program in an area complementary to current faculty interests. The specific area of behavioral research expertise is open. The appointee will join the faculty at OHSU and affiliated Portland VA Medical Center in training graduate students, Postdoctoral Fellows, and medical students in behavioral neuroscience supported by NIH training grants and individual research grants. Candidates should have a Ph.D., M.D., or equivalent degree; postdoctoral experience; and demonstrated ability to conduct independent research. Candidates should send application letter, curriculum vitae, statement of research interests, recent reprints, and arrange to have three letters of recommendation sent to: **Christopher L. Cunningham, Ph.D., c/o Ginger Ashworth, Department of Behavioral Neuroscience 1470, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. Website: <http://www.ohsu.edu/som-BehNeuro/>. OHSU is an Affirmative Action/Equal Opportunity Employer.**

Chemistry: University of Utah. Two tenure-track positions are available in organic and physical chemistry. Although we intend to fill the positions at the **ASSISTANT PROFESSOR** level, an appointment at the **ASSOCIATE** or **FULL PROFESSOR** level will be considered for exceptional candidates. For the physical position, a research emphasis in condensed-phase, biophysical, or materials-related physical chemistry will best complement our existing research activities. Candidates are expected to demonstrate the background, motivation, and ability to develop vigorous, competitive research programs and to be excellent teachers at the undergraduate and graduate levels. A Ph.D. is required; postdoctoral experience is desirable. Applicants for junior-level positions should send an application letter including a description of proposed research and detailed curriculum vitae and arrange for three letters of recommendation to be sent directly to the address below. Senior applicants should send an application letter and curriculum vitae. Review of applications will begin Monday, October 16, 2000, and continue until suitable candidates are identified. Reply to: **Search Committee, Department of Chemistry, University of Utah, 315 South 1400 East, Room 2020, Salt Lake City, UT 84112-0850. The University of Utah is an Affirmative Action/Equal Employment Opportunity Employer, encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.**

CORNELL UNIVERSITY. The Department of Chemistry and Chemical Biology is searching for a tenure-track faculty member at the **ASSISTANT PROFESSOR** level. Outstanding candidates with research interests in any field of chemistry/chemical biology that complement rather than duplicate our existing strengths are encouraged to apply. We have special interests in candidates with research plans in chemical biology, biophysical chemistry, or the phase science of amphiphilic compounds. In exceptional cases, a tenured-level appointment may be considered. The successful applicant will be expected to carry out an effective research program and to teach introductory chemistry as well as advanced undergraduate and graduate courses. A Ph.D. degree is required and postdoctoral experience preferred. Applicants should submit a graduate transcript, curriculum vitae, publication list, and separate summaries of research experience and research plans. These materials and three letters of recommendation should be sent to: **Chair, Faculty Search Committee, Department of Chemistry and Chemical Biology, Baker Laboratory, Cornell University, Ithaca, NY 14853-1301** and be received no later than November 1, 2000. *Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.*

POSITIONS OPEN

FACULTY POSITIONS DEPARTMENT OF CHEMICAL ENGINEERING

University of Delaware: The Department of Chemical Engineering at the University of Delaware invites applications for two tenure-track faculty positions. We anticipate making one appointment at the **ASSISTANT PROFESSOR** level and one at the **PROFESSOR** or **ASSOCIATE PROFESSOR** level. A Ph.D. or equivalent in chemical engineering or a related field is required. Successful applicants will be expected to lead vigorous research programs, teach, and advise students at both the undergraduate and graduate levels. The Department (**website: <http://www.che.udel.edu>**) is consistently ranked among the 10 leading chemical engineering departments nationwide, and applicants for the senior position are expected to have a commensurate record of accomplishment. Applications in all research areas will be considered; the Department has especially strong research programs in bioengineering, control, kinetics and catalysis, colloid and surface science, polymers and composites, thermodynamics, separations, and materials science. Please send curriculum vitae; a description of research and teaching interests; and the names, addresses, telephone numbers, and e-mail addresses of three references to: **Professor A. M. Lenhoff, Search Committee Chairman, Department of Chemical Engineering, University of Delaware, Newark, DE 19716-3110. All applications received by December 15, 2000, will receive full consideration, but the search will continue until the positions are filled.**

The University of Delaware is an Equal Opportunity Employer that encourages applications from minority group members and women.

ASSISTANT/ASSOCIATE PROFESSOR: tenure-track position in molecular virology/gene therapy/viral pathogenesis available in Department of Microbiology, Arizona State University. This position is part of a commitment by ASU to establish a well-recognized program in basic biomedical research. Required: Doctoral degree in microbiology, virology, or related area; two years of relevant postdoctoral experience; publication record and teaching experience appropriate to rank; evidence of having developed (Associate Professor) or potential to develop (Assistant Professor) a vigorous, independent extramurally funded research program. Desired: research using molecular genetic approaches in viral pathogenesis, viral vaccine development, or viral gene therapy; demonstrated ability to interact with other academic and/or research programs; NIH funding (Associate Professor) or potential for NIH funding (Assistant Professor). The successful candidate will be expected to teach undergraduate- and graduate-level courses; to direct graduate dissertation research; to publish research findings; and to serve on Department, college, or university committees as requested. Competitive salary and start-up package. Send curriculum vitae, representative reprints (no more than three), statement of research and teaching interests, and names and addresses of three references to: **Virology Search Committee, Department of Microbiology, Arizona State University, P.O. Box 872701, Tempe, AZ 85287-2701. Telephone: 480-965-1457; FAX: 480-965-0098; website: <http://www.lsvl.asu.edu/microbiology>. Review of applications will begin November 1, 2000, and continue weekly thereafter until position is filled. Arizona State is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR: soil biochemistry/environmental toxicology. A tenure-track appointment at the University of Wisconsin-Madison, Department of Soil Science, with affiliations with the Environmental Toxicology Center. The appointee will be expected to develop a research program on toxicant fate and behavior in the environment and provide instruction in courses related to this area. Details are available at **website: <http://www.soils.wisc.edu/soils/biochem-position.html>; e-mail: wjhickey@facstaff.wisc.edu. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

FACULTY POSITION BIOCHEMISTRY AND MOLECULAR BIOLOGY

The Basic Medical Science Department of the College of Osteopathic Medicine at Western University of Health Sciences invites applications for a 12-month tenure-track faculty position. Candidates should hold a Ph.D., have at least two years of postdoctoral training, and an excellent scholarly record. Western University is committed to excellence in teaching. We are seeking an outstanding **TEACHER/SCIENTIST** with the ability to integrate biochemical and molecular biological concepts into the medical school curriculum and to communicate clearly and effectively the function basic science plays in underpinning clinical medicine. The individual should be committed to working in a multicultural environment that fosters diversity and should possess interpersonal skills necessary to interact effectively with other faculty, students, and staff. Academic rank and salary will be commensurate with the candidate's qualifications and experience.

Applicants should submit (1) curriculum vitae, (2) a summary of teaching accomplishments and philosophy, and (3) three letters of reference to: **Dennis Kiick, Ph.D., Search Committee Chair, Western University of Health Sciences, College of Osteopathic Medicine, College Plaza, 309 East Second Street, Pomona, CA 91766. E-mail: dkick@westernu.edu. Review of applications will begin immediately and continue until the position is filled. An Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.**

PHYSIOLOGICAL ECOLOGIST California State University, Hayward

Applications are invited for a tenure-track **ASSISTANT PROFESSOR** position to begin September 2001. We seek a broadly trained Animal Biologist with teaching and research interests in physiological ecology. Teaching responsibilities could include courses in human anatomy and physiology, general physiology, introductory biology for majors, physiological ecology, and upper-division/graduate courses in the candidate's area of expertise. Applicants should be committed to high-quality teaching at an ethnically and culturally diverse campus. An externally funded research program that involves undergraduate and graduate (M.S.) students is expected. A Ph.D. is required at the time of hire, and postdoctoral and prior teaching experience is preferred. More information on the department and the University may be found at **website: www.csu Hayward.edu. Send curriculum vitae, three letters of recommendation, statements of teaching and research interests, and copies of relevant publications to: Physiological Ecology Search Committee, Department of Biological Sciences, California State University, Hayward, Hayward, CA 94542. Application review will begin October 15, 2000, and will remain open until the position is filled. California State University, Hayward is an Equal Opportunity Employer and does not discriminate on the basis of age, race, color, national origin, sex, sexual orientation, or disability.**

The Department of Anatomy and Cell Biology and Division of Obstetrics/Gynecology invite applications for a tenure-track position at the **ASSISTANT PROFESSOR** level. Applicants should have a Ph.D., M.D., or equivalent degree with demonstrated ability to conduct independent research. Individuals with prior experience in angiogenesis research will be preferred. The successful applicant will be expected to teach in the medical school, participate in graduate education, and support his/her laboratory efforts through extramural grants. Attractive start-up funds and excellent research facilities are available. Curriculum vitae, a brief description of previous and anticipated research, and the names of three references should be submitted to: **Dr. M. A. Q. Siddiqui, Professor and Chairman, Department of Anatomy and Cell Biology, State University of New York Downstate Medical Center, 450 Clarkson Avenue, Brooklyn, NY 11203.**

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The minerals industry presents some of the most complex and demanding scientific, engineering and technological challenges in the world today. Australia's CSIRO Exploration and Mining is the world's largest and most successful provider of R&D solutions to the minerals industry. It is a world leader in applied research across the whole spectrum from exploration through discovery, mining and rehabilitation.

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- a desire to continue an active research role

then visit our website at www.dem.csiro.au for more information about the organisation and this challenging opportunity. As a first step in applying for this role you should contact Greg Thill, telephone +61 3 9662 7418, E-mail: greg.thill@exec.csiro.au for a copy of our recruitment kit. For further information you can also contact Bruce Hobbs, telephone +61 8 9333 6361, E-mail: b.hobbs@per.dem.csiro.au

Applications must be made in writing and submitted no later than 16 October, 2000.

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EUROPEAN OPPORTUNITIES



WORLD HEALTH ORGANIZATION

The Editor

of the *Bulletin of the World Health Organization*

The *Bulletin of the World Health Organization* is a monthly print and online journal of international public health, currently published in English with summaries in French and Spanish.

The Editor is responsible for making the Bulletin of the World Health Organization the premier journal in international public health.

The successful candidate will be responsible for:

- Leading and developing the growth of the Bulletin
- Increasing its quality, circulation and prestige
- Developing electronic publishing and sponsorship opportunities
- Managing the production process, and ensuring the quality and timely appearance of both print and electronic versions
- Managing the editorial team and liaising with the Editorial Committee and the Editorial Board

Qualification and experience required:

- Advanced university degree, preferably in a biomedical science or in public health
- Considerable senior managerial and editorial experience on a national peer-reviewed scientific journal, preferably with an international readership
- Comprehensive knowledge of the editorial, management and production procedures of scientific journals
- Proven managerial experience, excellent interpersonal skills, personal dynamism and ability to motivate staff
- Excellent command of English, knowledge of French or Spanish an asset

WHO offers a competitive salary with international conditions of service. Applications should be addressed to:

The World Health Organization, PER/MSU/EIP, 20 Avenue Appia, 1211 Geneva 27, Switzerland. Tel: +41 22 791 4388;

Fax: +41 22 791 4841; e-mail: eipvac@who.ch;

websites: <http://www.who.int> and <http://www.who.int/bulletin>.

Deadline for applications: 15 October 2000.

UNSW

THE UNIVERSITY OF NEW SOUTH WALES

FACULTY OF LIFE SCIENCES SCHOOL OF MICROBIOLOGY AND IMMUNOLOGY

Professor of Medical Microbiology

Applications are invited for appointment to the position of Professor of Medical Microbiology.

The School of Microbiology and Immunology is a vibrant school with a record of excellent achievement in both research and teaching. The research interests of the School include bacterial pathogenesis, microbial adaptive responses, biofouling and bioremediation, the aetiology of allergic disease and cell signalling in prokaryotic and eukaryotic organisms. The School is responsible for the delivery of undergraduate courses to both medical and science students, and higher degree research programs.

Essential criteria: a PhD or relevant postgraduate medical qualification; a distinguished international reputation in research in Medical Microbiology; a distinguished record of publication in Medical Microbiology; a strong record in securing research funding; a record of excellent achievement in teaching and supervision in Medical Microbiology to undergraduate medical and science students; a demonstrated ability to provide academic leadership and guidance in a multi-disciplinary environment; a strong record of achievement in administration in a tertiary institution or equivalent; a strong record of interaction with health professionals and especially with clinical microbiologists; experience in implementing equity and diversity policies and programs.

Desirable criteria: experience in the design and delivery of an innovative curriculum in the field of medical microbiology; a strong record of achievement and ongoing interests in the area of microbial pathogenesis; a record of participation in immunological research.

The appointee will be expected to serve as Head of School for a term or terms if so requested.

The Salary will be A\$97,186 per year. In addition to Salary, an appointee with medical qualifications registrable in NSW may receive a clinical loading of A\$16,822 per year. Subject to consent by the University, an appointee may undertake a limited amount of higher consultative work.

People from EEO groups are encouraged to apply. The University reserves the right to fill the position by invitation or not to fill the position. The position is full-time (continuing). Membership of a University approved superannuation scheme is a condition of employment for this position.

Enquiries regarding this position should be directed to Dr Andrew Collins, Head, School of Microbiology and Immunology on telephone 61 2 9385 2101; facsimile 61 2 9385 1591; email: a.collins@unsw.edu.au; or Professor Marilyn Sleight, Dean, Faculty of Life Sciences on telephone 61 2 9385 2006; facsimile 61 2 9385 1086; email: m.sleight@unsw.edu.au.

An information package is available from Simone Keat, Human Resources Department, UNSW, Sydney NSW 2052, Australia on telephone 61 2 9385 1161; facsimile 61 2 9662 2832 or email: s.keat@unsw.edu.au.

Visit UNSW's website at <http://www.unsw.edu.au> and the School's website at <http://www.micro.unsw.edu.au/>.

Applications close 20 October 2000.

PLEASE QUOTE Ref 444SCJ

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POSITIONS OPEN

TENURE-TRACK FACULTY POSITION University of North Carolina at Charlotte

The University of North Carolina at Charlotte (UNCC) is seeking applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in molecular biology beginning fall of 2001. UNC Charlotte is a rapidly expanding university committed to research and teaching excellence. Participation and collaboration with faculty in a newly established interdisciplinary Ph.D. program in biology (biomedicine and biotechnology) will be required as well as participation in graduate (M.S.) and undergraduate (B.S., B.A.) programs. Successful applicants are expected to have a Ph.D. with postdoctoral experience and to develop and maintain an extramurally funded research program. For further information about these positions, the University, the Department of Biology, the Interdisciplinary Ph.D. program, and the research areas of participating faculty, see our website: <http://www.bioweb.uncc.edu>. Applicants should submit a complete résumé, a description of research interests, and names of at least three references to: **Chair of the Search Committee, Department of Biology, The University of North Carolina at Charlotte, 9201 University City Boulevard, Charlotte, NC 28223-0001**. Consideration of applications will begin November 1, 2000, and continue until the positions are filled. *UNCC is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR, physical chemistry, California State University, Long Beach, invites applications for one (possibly two) tenure-track position(s) beginning August 2001. Applicants must have a Ph.D. in physical chemistry or a closely related area and a demonstrated potential for effective teaching and for developing an independent, externally funded research program involving undergraduate and Master's students. Candidates whose research is of an interdisciplinary nature involving such areas as material science are particularly encouraged to apply. Postdoctoral experience preferred. To apply, submit a letter of application, a résumé, a statement of research and teaching interests, and have official transcripts from undergraduate and graduate institutions and three letters of recommendation sent by November 10, 2000, to: **Dr. Peter Baine, Chair, Physical Chemistry Search Committee, Department of Chemistry and Biochemistry, California State University, Long Beach, CA 90840-3903. FAX: 562-985-8557.** *California State University, Long Beach, is an Equal Opportunity Employer committed to excellence through diversity and takes pride in its multicultural environment. An Equal Employment Opportunity/Affirmative Action/Title IX Employer.*

MOLECULAR BIOLOGY IMMUNOLOGY Available Immediately

The Department of Dermatology at the University of Pittsburgh School of Medicine has available NIH-funded positions at the level of **RESEARCH ASSISTANT PROFESSOR/INSTRUCTOR/POSTDOCTORAL FELLOW**. Successful candidates will perform studies in the areas of vaccine design, dendritic cell biology, gene therapy, and cutaneous immunobiology. Send curriculum vitae and references to: **Louis D. Falo Jr., M.D., Ph.D., Chairman, Department of Dermatology, 190 Lothrop Street, 145 Lothrop Hall, Pittsburgh, PA 15213. Telephone: 412-648-3252; FAX: 412-648-8117; e-mail: derm@msx.upmc.edu.**

ASSISTANT/ASSOCIATE PROFESSOR: The Department of Food Science and Human Nutrition, Michigan State University, seeks applicants for a tenure-track position in human nutrition. The successful candidate will develop a research program in biochemical/molecular nutrition and will teach and advise students. Application deadline is October 15, 2000. For more information, see our website: <http://www.msu.edu/unit/fshn> or contact: **Joseph Schroeder, Telephone: 517-353-9878; e-mail: schroe58@msu.edu.** *Equal Opportunity Employer/Affirmative Action.*

POSITIONS OPEN

MICROBIAL ECOLOGIST: The Chesapeake Biological Laboratory (CBL) of the University of Maryland Center for Environmental Science (UMCES) seeks a Microbial Ecologist to fill a tenure-track position at the **ASSISTANT PROFESSOR** level. We seek candidates with strong potential and a commitment to the investigation of fundamental problems in aquatic microbial ecology or biogeochemistry, especially those who apply molecular approaches and techniques towards understanding processes in estuarine or marine systems. We seek a Scientist whose research complements current faculty and who would become involved in multidisciplinary research within the Center. The successful candidate will establish an externally funded research program and participate in the Universitywide graduate education program. A Ph.D. in microbiology or a related field is required, and postdoctoral experience is preferred. More information on CBL, UMCEs, and our faculty can be obtained from our website: <http://www.cbl.umces.edu>. Candidates should submit curriculum vitae; a statement of research and teaching interests; reprints of three publications; and the names, addresses, and e-mail addresses of four references to: **Chair, Microbial Ecologist Search, Chesapeake Biological Laboratory, UMCEs, P.O. Box 38, Solomons, MD 20688-0038.**

Applications received before October 15, 2000, will be assured full consideration.

The University System of Maryland is an Equal Opportunity/Affirmative Action Employer. UMCEs welcomes and specifically encourages applications from minority and women colleagues.

FACULTY POSITIONS MOLECULAR BIOLOGY

The Institute of Molecular Biology at the University of Oregon (website: <http://www.molbio.uoregon.edu/>) seeks up to four faculty members to begin fall 2001. These appointments will be made through either the Biology Department or the Chemistry Department (Biochemistry Division) as is appropriate to the background and interests of the candidates. We seek outstanding individuals studying fundamental problems in cell biology, genetics, molecular biology, molecular genetics of behavior, structural biology, genomics/proteomics, biochemistry, or biophysics but will consider outstanding applications in other areas. We anticipate filling these positions at the tenure-track **ASSISTANT PROFESSOR** level although more senior candidates will be considered. Interested persons should forward curriculum vitae; statement of research interests/plans; and arrange for three letters of recommendation to be sent by November 10, 2000, to either or both of the following: **Molecular Biology Search, Biology Appointment, Institute of Molecular Biology, University of Oregon, Eugene, OR 97403-1229** and/or **Molecular Biology Search, Biochemistry Appointment, Institute of Molecular Biology, University of Oregon, Eugene, OR 97403-1229.** *The University of Oregon is an Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the Americans With Disabilities Act.*

Biology: ASSISTANT PROFESSOR, tenure track, beginning August 2001. Ph.D. required; undergraduate teaching experience highly desirable. Teaching responsibilities include introductory biology (emphasis on cellular biology), anatomy and physiology, an upper-level course in the candidate's specialty, and participation in collegewide general education. Austin College is a selective liberal arts college with a biology faculty of eight. Send curriculum vitae, a brief description of teaching interests including potential upper-level courses, a brief description of research interests, undergraduate and graduate transcripts, and arrange to have three letters of reference sent to: **Dr. Michael Imhoff, Vice President for Academic Affairs, Austin College, Sherman, TX 75090-4400.** For more detailed information, see website: <http://artemis.austinc.edu/acad/bio/WebPages/search.html>. Review of applications begins October 15, 2000. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR, BIOCHEMISTRY. The Chemistry Department at the University of Missouri-St. Louis invites applications for a faculty position at the rank of Assistant Professor in biochemistry, effective August 2001. A Ph.D. in chemistry or biochemistry is required, and postdoctoral experience is strongly preferred. Applicants with research interests in proteomics, structural biochemistry, or enzyme mechanisms are especially encouraged to apply. The candidate will be expected to build an internationally recognized research program. A commitment to excellence in teaching at the undergraduate and graduate levels will also be required. Send detailed curriculum vitae, a concise description of research plans, and a statement of teaching interests, and arrange for three letters of recommendation to be sent to: **Dr. Wesley Harris, Biochemistry Search Committee, Department of Chemistry, University of Missouri-St. Louis, St. Louis, MO 63121.** See website: www.umsu.edu/divisions/artscience/chemistry for further details. Review of applications will begin on October 30, 2000, and the position will remain open until filled. *University of Missouri-St. Louis is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity.*

ASSISTANT PROFESSOR. The Department of Biological Sciences, Kent State University, invites applications for a tenure-track position to start August 2001. We are seeking an individual whose research interests complement those of the reproductive biology group and who is using molecular and genetic approaches to answer fundamental questions in biology. The appointee will be expected to develop a strong, independent research program and to participate in the Doctoral program. Instructional responsibilities include graduate and undergraduate teaching. The Ph.D., postdoctoral experience, publications, and potential for extramural funding are required. Applications must include a statement of research and teaching interests, curriculum vitae, recent publications, transcripts, and three letters of recommendation. This position is dependent on the availability of funding. The deadline for the submission of materials is October 30, 2000. All materials should be submitted to: **Dr. Douglas Kline, Department of Biological Sciences, Kent State University, Kent, OH 44242. E-mail: dkline@biology.kent.edu.** *Kent State University is an Equal Opportunity/Affirmative Action Employer.*

PLANT BIOLOGIST

Tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position in the Department of Biology at the University of Alabama at Birmingham. Preference will be given to candidates with research experience in one or more of the following areas: aquatic systems, ecology, ecophysiology, genetics, molecular biology. The successful candidate will be expected to have postdoctoral experience, to develop an active externally funded research program, and to teach at both the undergraduate and graduate levels.

Review of applications will begin October 16, 2000. Applicants should submit curriculum vitae, a description of research interests, and the names of three references to:

**Dr. Ken Marion
Department of Biology
CH 109**

**1530 Third Avenue South
Birmingham, AL 35294-1170**

The University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer.

BIOINFORMATICS SCIENTIST to analyze gene expression data from the microarray system and protein chips in health and diseased state. Candidates with previous experience in bioinformatics, computer programming, and an interest in biology are encouraged to apply. Salary commensurate with experience. Résumés to e-mail: **Pamela_Lingeman@urmc.rochester.edu.** *Socratech University of Rochester (New York) is an Equal Opportunity Employer.*

THE UNIVERSITY of York

DEPARTMENT OF BIOLOGY

LECTURESHIP IN ECOLOGY

The Department of Biology at York has been a major centre of research and teaching in ecology since its inception. We seek to build on this strength by an appointment to complement our existing activities in one or both of the following areas:

- (1) Mathematical ecology: applications from candidates with formal training in mathematics are especially encouraged.
- (2) Biodiversity and conservation ecology, especially in a field-oriented context.

Candidates should have an established record of achievement in their research area.

Salary: Lecturer B (£24,227 - £30,967 p.a.).

Informal enquiries to Professor Alastair Fitter, Head of Department, email: ahf1@york.ac.uk

Further information and details of how to apply may be obtained by writing to the Personnel Office, University of York, Heslington, York YO10 5DD, email: jobs@york.ac.uk quoting reference number 12/3033 or see <http://www.york.ac.uk/admin/persnl/jobs/3033.htm>
Closing date for applications: 10 October 2000.



Max Planck Institute for Evolutionary Anthropology

Postdoc Department of Genetic

Postdoctoral position for 2 years in the laboratory of conservation genetics at the Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

We have a position available immediately for a post-doctoral researcher experienced in molecular genetics methods, including cloning, sequencing and microsatellite genotyping, using fluorescent automated systems (ABI 377 or 3700). Experience with non-invasive samples of forensic or ancient DNA analysis is also desired. This new lab will focus on technology development for polymorphism screening, marker development, microsatellite and SNP genotyping, and database and software development, as well as application of genetic analysis to population and phylogenetic questions of direct importance to conservation of endangered species.

The MPI for Evolutionary Anthropology has state of the art genetics and molecular biology laboratories, and an interactive, multidisciplinary faculty.

Disabled persons with an adequate aptitude will be employed by preference. The MPG strives for an increasing number of female employees. All applications will be treated equally, independent of their nationality, skin colour etc.

Applicants should send a CV and a list of three references (with email addresses) to Phillip Morin (morin@eva.mpg.de); Fax: 49-341-9952-555 or mail to: Max Planck Institute for Evolutionary Anthropology, Inselstr. 22, D-04103 Leipzig, Germany. The deadline for your applications is 4 weeks after the date of publication.

Information on the Institute can be obtained from the web page: <http://www.eva.mpg.de>



UNIVERSITY OF BRISTOL

Professorial Appointments in the Department of Clinical Medicine

The University of Bristol is undertaking a major programme of academic development within the Department of Clinical Medicine, involving the Divisions of Child Health and Obstetrics and Gynaecology.

With a heavy emphasis on development of research, these positions afford exciting opportunities for the University and the Professors to benefit from the development of new collaborations across the Faculty of Medicine, facilitated by the provision of appropriate office and laboratory facilities.

Professor of Paediatrics

Based within the new Bristol Royal Hospital for Children, you will continue developments initiated by the late Professor David Baum.

The Professor of Paediatrics will be a clinical scientist, with speciality training in paediatrics, and an established record of independent research.

Initial enquiries can be made to Professor Peter Fleming, Head of Division of Child Health, E-Mail peter.fleming@bristol.ac.uk telephone (0117) 928 5221 or fax (0117) 929 2914. **Please quote reference 6693.**

Professor of Reproductive Medicine and Surgery

The Professor of Reproductive Medicine and Surgery will be a clinical scientist, with speciality training in obstetrics and gynaecology and an established record of independent research.

This position will build upon the foundations laid by the late Professor Michael Hull.

Initial enquiries can be made to Professor Peter Soothill, Head of Division of Obstetrics and Gynaecology, E-Mail peter.soothill@bristol.ac.uk telephone (0117) 928 5277 or fax (0117) 928 5683. **Please quote reference 6769.**

Professor of Human Reproductive Biology

The Professor of Human Reproductive Biology will be a non-clinical scientist, with an established record of independent research spanning Reproductive and Fetal Medicine.

Initial enquiries can be made to Professor Peter Soothill, Head of Division of Obstetrics and Gynaecology, E-Mail peter.soothill@bristol.ac.uk telephone (0117) 928 5277, fax (0117) 928 5683. **Please quote reference 6770.**

For further details telephone (0117) 954 6947, minicom (0117) 928 8894 or E-Mail Recruitment@bris.ac.uk (stating postal address ONLY) quoting the relevant reference number.

The closing date for applications is 9.00am, 29th September 2000.

www.bristol.ac.uk

AN EQUAL OPPORTUNITIES EMPLOYER

POSITIONS OPEN

CHAIRPERSON

Western Michigan University invites applications for the position of **CHAIR OF THE DEPARTMENT OF Biological Sciences** beginning fall 2001 pending budgetary approval. The Department, currently with a faculty of 16, provides a broad integrative biology program leading to B.Sc., M.S., and Ph.D. degrees. Current NIH-, NSF-, and U.S. Department of Agriculture-supported research involves students at all levels and encompasses topics across the biological sciences. The successful candidate is expected to provide leadership for the teaching, research, and service missions of the Department. The candidate is also expected to interact successfully with colleagues having interests that span cell and molecular as well as organismal levels (see website: <http://www.wmich.edu/bios>). The candidate must have an established, Investigator-initiated research program and is expected to maintain extramural funding at Western Michigan University.

The candidate will be a nationally recognized scholar and broadly trained Biologist with a substantial history of extramurally funded, independent research. The successful candidate will possess strong administrative, leadership, and interpersonal skills and will also demonstrate a commitment to teaching excellence. Candidates must currently hold tenure in an academic department, have credentials consistent with the rank of **FULL PROFESSOR**, and demonstrate willingness to encourage the independent scholarly activities of faculty.

Send a letter of application, curriculum vitae, statement of research interests, and names of five persons who may be contacted as references to: **Dr. Leonard Beuving, Search Committee Chair, Department of Biological Sciences, 1903 West Michigan Avenue, Kalamazoo, MI 49008-5410. E-mail: beuving@wmich.edu.** Review of applications will begin October 1, 2000, and continue until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.*

The Department of Pharmacology, Physiology, and Therapeutics is seeking three tenure-track Pharmacologists with active research programs in neurosciences at the level of **ASSISTANT/ASSOCIATE PROFESSOR**. Applicants must have a Ph.D. or M.D. degree. In addition to offering nationally competitive salary, ample space, and start-up funds, the Department contains 18 faculty and numerous common equipment rooms and core facilities. Teaching at the graduate, undergraduate, and medical school level will be expected. Submit curriculum vitae and a comprehensive research statement outlining past accomplishments, future goals, and three letters of recommendation to:

Manuchair Ebadi, Ph.D.
Professor and Chairman
Department of Pharmacology, Physiology,
and Therapeutics
Professor of Neuroscience
Associate Dean for Research and
Program Development
University of North Dakota School of Medicine
and Health Sciences
501 North Columbia Road
Grand Forks, ND 58203

University of North Dakota is an Equal Opportunity/Affirmative Action Employer.

Two **POSTDOCTORAL POSITIONS** are available in protein biochemistry/structural biology. The positions require Ph.D. degree with strong training in molecular biology, protein biochemistry, and enzymology. Send curriculum vitae to: **Dr. R. Padmanabhan (e-mail: rpadmana@kumc.edu)** or **Dr. M. Sundaramoorthy (e-mail: msundar@kumc.edu)**, The University of Kansas Medical Center, Department of Biochemistry and Molecular Biology, 3901 Rainbow Boulevard, Kansas City, KS 66160-7421. FAX: 913-588-7440. For more information, visit website: www.kumc.edu/biochemistry/. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



SIDNEY KIMMEL
CANCER CENTER

POSTDOCTORAL POSITIONS SIDNEY KIMMEL CANCER CENTER SAN DIEGO, CALIFORNIA

Three Postdoctoral positions. Research track for qualified individuals. Project 1: Prostate cancer metastasis; DNA methylation profiling and cDNA arrays under the auspices of a Sidney Kimmel Cancer Center, University of California San Diego NCI Directors Challenge Grant. Project 2: Development of probes for cDNA arrays. Project 3: *Salmonella* gene expression using ORF arrays to study pathogenesis. Curriculum vitae and three references to: **Michael McClelland, Professor and Director, Cell and Molecular Biology, Sidney Kimmel Cancer Center, 10835 Altman Row, San Diego, CA 92121. E-mail: mmccllland@skcc.org.** *Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION VERTEBRATE ECOLOGY

The Department of Biological Sciences at Western Michigan University seeks applications for a tenure-track **ASSISTANT PROFESSOR** position in vertebrate ecology beginning fall 2001 pending budgetary approval. A Ph.D. degree and postdoctoral training are required. The development or continuation of an externally funded research program and contribution to the Department's Master's and Doctoral programs are expected.

Candidates with research interests in physiological, behavioral, evolutionary, or community ecology of vertebrates are encouraged to apply. The ideal candidate would use modern, functional approaches and have research interests that complement existing Departmental strengths in molecular and cellular biology, physiology and neurobiology, and ecology and evolution (see website: <http://www.wmich.edu/bios>). Teaching responsibilities will be in the candidate's area of expertise.

Send a letter of application, curriculum vitae, statement of research and teaching philosophy, graduate transcripts, and three letters of reference to: **Dr. Leonard Beuving, Chair, Department of Biological Sciences, 1903 West Michigan Avenue, Western Michigan University, Kalamazoo, MI 49008-5410. E-mail: beuving@wmich.edu.** Review of applications will begin October 1, 2000, and will continue until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.*

ENVIRONMENTAL EDUCATION (EE) FACULTY POSITION. The Appalachian Laboratory (AL) of the University of Maryland Center for Environmental Science (UMCES) seeks to fill a **TENURE-TRACK POSITION** in environmental education. The successful applicant will develop an innovative program to serve as a state and national model for EE. Opportunities exist for research and training of graduate students. A Ph.D. in ecology or environmental science with experience or training in EE is preferred; education Doctorates with an advanced ecology or environmental science degree will be considered. An entry-level hiring is anticipated, but experienced applicants will receive full consideration. See website: www.al.umces.edu for a complete position description. To apply, send an application letter; résumé; statements of interests and goals for both environmental education and research; and names of four references (plus addresses, telephone and FAX numbers, and e-mail addresses) to: **Dr. Steve Seagle, EE Search, UMCES Appalachian Laboratory, 301 Braddock Road, Frostburg, MD 21532.** Review of applications will begin October 20, 2000. *UMCES is an Affirmative Action/Equal Opportunity Employment Institution.*

POSITIONS OPEN

BEHAVIORIST

The Department of Biology, College of Charleston, invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level to begin August 2001. Candidates must possess a Ph.D. in the biological sciences, a strong commitment to teaching, and an active research program with the potential for undergraduate involvement. Teaching responsibilities include a course in animal behavior and possibly introductory biology. The College of Charleston is a public liberal arts institution of 10,000 students. The College's primary goals are teaching and research excellence. In addition to its undergraduate programs, the Department offers M.S. degrees in marine biology and environmental studies. Information about the Biology Department is available at website: <http://www.cofc.edu/~biology/>. Applicants should submit curriculum vitae, statement of teaching and research interests, copies of relevant publications, and three letters of reference by November 15, 2000, to: **Chair, Department of Biology, Behaviorist Search Committee, College of Charleston, Charleston, SC 29424.** *The College of Charleston is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.*

DIRECTOR OF CARDIOVASCULAR RESEARCH. The University of Chicago: The Division of Biological Sciences and the Department of Medicine, Section of Cardiology, are seeking a Director of Cardiovascular Research. The Director would be responsible for overseeing basic cardiovascular research within the Section, developing an interdepartmental molecular cardiovascular program, and recruiting additional research faculty. The Director will have appointments in medicine and a basic science department. Successful candidates should have an outstanding record of scientific accomplishment with demonstrated teaching and administrative ability that will qualify him or her for the rank of **PROFESSOR** with tenure. Please send curriculum vitae and the names of three individuals familiar with your work to: **David P. Faxon, M.D., and Harinder Singh, Ph.D., Co-Chairs, Director of Cardiovascular Research Search Committee, The University of Chicago, Section of Cardiology, 5841 South Maryland Avenue, MC 6080, Room B608, Chicago, IL 60637.** Applications should be received by November 1, 2000. *The University of Chicago is an Equal Opportunity/Affirmative Action Employer.*

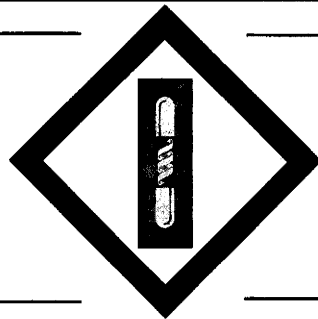
A **POSTDOCTORAL POSITION** is available in the area of computational biophysics/neuroscience. The successful candidate will be given considerable freedom in his or her choice of projects and will also have the opportunity to interact strongly with groups from physics, biology, and neuroscience. Please send a letter describing research interests, curriculum vitae, and arrange for two letters of reference to be sent to: **N. Giordano, Department of Physics, Purdue University, West Lafayette, IN 47907-1396. E-mail: ng@physics.purdue.edu.**

POSTDOCTORAL POSITION available to study growth factor-induced drug resistance (PNAS 97:8658-8663, 2000). Background in molecular biology is essential; experience in receptor binding, signal transduction, gene expression, antisense technology, microarray technology, and apoptosis is preferred. Send curriculum vitae and names of three references to: **Dr. Jessie Au, Ohio State University, 496 West 12th Avenue, Columbus, OH 43210. FAX: 614-688-3223; e-mail: au.1@osu.edu.**

POSTDOCTORAL POSITION are available for gene-expression analysis of cancers, molecular classification of brain tumors, and an opportunity to work with the Cancer Genome Anatomy Project (website: <http://rigginslab.mc.duke.edu>). Those with good molecular biology and computer skills are encouraged to apply. Contact: **Greg Riggins, M.D., Ph.D., Duke University Medical Center, Box 3156, Durham, NC 27710. FAX: 919-684-8756. E-mail: greg.riggins@duke.edu.**

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FACULTY POSITION

The Department of Anatomy, Cell Biology and Injury Sciences of UMDNJ: New Jersey Medical School seeks an Academician with an established research program whose interests lie in the study of control of genetic mechanisms of mammalian developmental biology and embryology. This person will also be involved in the Medical and Graduate Student teaching programs in Gross and Developmental Anatomy.

For information contact:
Dr. John H. Siegel, Chairman
Department of Anatomy,
Cell Biology and Injury Science
185 South Orange Avenue,
MSB Rm G609
Newark, NJ 07103

The UMDNJ is an Affirmative Action/Equal Opportunity Employer M/F/D/V, and a member of the University Health System of New Jersey.



EUROPEAN OPPORTUNITIES



Max-Planck-Institute of Neurobiology

The Max-Planck-Institute of Neurobiology, Munich-Martinsried, offers the opportunity to set up an

Independent Junior Research Group (Selbständige Nachwuchsgruppe)

The ideal candidate is younger than 35 years, has a proven research record and will complement the following research areas established in the Institute's Departments

- **Neuroimmunology** (H. Wekerle): Interactions between the Nervous and the Immune System; Auto-immunity in the CNS.
 - **Neurophysiology** (T. Bonhoeffer): Mechanisms of Synaptic Plasticity in the CNS; Structure, Function, and Development of the Visual Cortex
- as well as
- **Two newly appointed directors** most likely in the fields of **Neurodevelopment** and **Neurophysiology**

and Research Groups

- **M. Götz:** Mechanisms of Regional Specification in the Vertebrate CNS
- **B. Conradt:** Cell Death Regulation
- **H. Thoenen:** Storage and Release of Neurotrophins, Roles of Neurotrophins in Synaptic Plasticity

The contract is at the Associate Professor level (German University scale C2-C3) limited to 5 years. The institute will provide appropriate laboratory space, equipment and running costs, as well as the salaries for one additional scientist, one graduate student and one technician.

The deadline for applications is **October 15, 2000**. Applicants should submit their CV, list of publications and a short outline of their scientific work – both achieved and planned to:

Max-Planck-Institute of Neurobiology, Dr. Tobias Bonhoeffer, Geschäftsführender Direktor, Am Klopferspitz 18a, 82152 München-Martinsried, Germany.

POSITIONS OPEN

SCIENTIFIC DIRECTOR NATIONAL FOUNDATION FOR FUNCTIONAL BRAIN IMAGING

The National Foundation for Functional Brain Imaging seeks applications and nominations for the position of Director, the chief executive and scientific officer of the Foundation. The Foundation is a non-profit organization dedicated to advancing the understanding of mental illness through the development and application of advanced brain-imaging techniques. The Foundation supports clinical and basic research in the areas of mental illness, cognitive neuroscience, and cognitive disorders, as well as research and technology development in the areas of instrumentation, data analysis, and computational modeling for functional brain imaging. Headquartered in Albuquerque, the Foundation is a partnership of medical, scientific, and educational institutions in New Mexico (including the University of New Mexico, Albuquerque VA Medical Center, Los Alamos National Laboratory, and Sandia National Laboratories); Minnesota (University of Minnesota School of Medicine, Minneapolis VA Medical Center); and Massachusetts (Harvard University School of Medicine, Massachusetts General Hospital).

As chief executive and scientific officer, the Director is responsible to the Foundation Board of Directors for advancing the Foundation mission and providing leadership in all aspects of Foundation activities. These responsibilities include advancing the overall vision and strategic directions of the Foundation; leadership of the Foundation's scientific and programmatic activities (including the conduct of the incumbent's own research program); fostering productive relationships and collaborations among Foundation partner institutions; fostering strong interactions with Congress, federal science and mental health organizations, and other public and private funding sources; ensuring the effective investment and utilization of Foundation resources; and creating a strong and productive scientific environment for the Foundation's researchers and partner institutions.

Required education and experience: M.D. and/or Ph.D. in a field relevant to the Foundation mission; strong record of research accomplishment as evidenced by publications in leading scientific journals; positions on federal peer review and advisory committees, etc.; strong leadership skills as evidenced by positions of increasing leadership responsibility in medical or educational institutions; and ability to foster productive relationships among a number of leading research and educational institutions. The successful candidate must qualify for a **SENIOR FACULTY** position at the University of New Mexico or other partner institution.

Salary and benefits commensurate with the responsibilities of the position. Please send letters of application or nomination, together with complete curriculum vitae and names of five references, to: **Dr. Leonard Napolitano, Chairman, Board of Directors, National Foundation for Functional Brain Imaging, 801 University Boulevard S.E., Suite 200, Albuquerque, NM 87106.** Applications requested by October 16, 2000.

The Foundation is an Equal Opportunity Employer.

The Biology Department of Emory and Henry College seeks a broadly trained **BIOLOGIST** for a tenure-track position. Teaching responsibilities include comparative anatomy, developmental biology, human anatomy, and general biology. Participation in the general studies may also be required. The position requires a commitment to teaching and ability to develop a research program with a high level of undergraduate participation. Completion of Ph.D. is required. Position begins August 1, 2001. Review of completed applications begins October 30, 2000. Emory and Henry College is a private, liberal arts, church-related college with an enrollment of 1,000 students. View the College's website: www.ehc.edu. Apply with curriculum vitae, transcripts, letter describing teaching philosophy and research interests, and three letters of recommendation to: **Dr. Paul H. Blaney, Emory and Henry College, P.O. Box 947, Emory, VA 24327.**

POSITIONS OPEN



BDPharMingen is a rapidly growing biotech company engaged in the development, manufacturing, and marketing of quality biomedical research products. We offer a competitive compensation and benefits package including a matching 401(k) plan, tuition aid, and a stimulating work environment. Send résumé indicating the position(s) of interest by referencing the job number to: **Human Resources, BDPharMingen, 10975 Torreyana Road, San Diego, CA 92121. FAX: 858-812-8893; e-mail: hr@pharmingen.com.** *Equal Opportunity Employer.*

SCIENTIST II, RECOMBINANT PROTEIN (#635)

We seek a productive, goal-oriented individual for a program focused on process development of functionally active protein products for research reagent use. Minimum of three to six years in a research, development, or manufacturing environment is required. Must possess a protein chemistry/biochemistry background with emphasis on protein purification and characterization. Hands-on experience purifying proteins by conventional methods and by immunoaffinity chromatography is highly desirable. Prior management experience is also desired. Requires effective interpersonal, documentation, and organization skills. Responsibilities include initiating, directing, and executing process development and/or research and development projects for the Recombinant Protein group. Compose technical reports, summaries, and quantitative analyses. Investigate, create, and develop new methods and technologies for project and process advancement. Will assist with training and guiding team members. Ph.D. in a scientific discipline is required.

SCIENTIST I, MOLECULAR BIOLOGY (#698)

We are looking for you to contribute to the success of our department. Minimum of one to four years of postdoctoral or industrial experience including background in RT-PCR, cloning and protein expression required. Experience with gene expression analysis and nucleic acid manipulation is a must. Should possess the ability to work independently within a team environment. Responsibilities include molecular technology product development and validation. Ph.D. in molecular biology or related science is required.

TRANSLATIONAL INVESTIGATOR (RESEARCH ASSOCIATE)

The Emergency Resuscitation Research Center (ERRC) at the University of Chicago is seeking a Translational Investigator (Research Associate). This individual will join a highly motivated research team of scientists at the University of Chicago and Argonne National Laboratory to develop new therapies and devices that will improve survival following cardiac arrest.

The ERRC is a new initiative of the University of Chicago established to foster collaborative research efforts among faculty from the clinical, physical, basic, and engineering sciences. For more information about the ERRC, please visit our website: <http://errc.bsd.uchicago.edu/>.

The Translational Investigator must have experience in large and small animal models and be adept at measuring hemodynamics in these systems. Individual should possess a degree in molecular biology and/or physiology or related fields of research, with a Ph.D., M.D., D.V.M., or equivalent level of experience. Academic rank and salary will be commensurate with training and experience.

Please send your curriculum vitae to:

**University of Chicago
Section of Emergency Medicine/ERRC
Attention: Lynne Harnish, Administrator
5841 South Maryland Avenue/MC 5068
Chicago, IL 60637**

E-mail: lharnish@medicine.bsd.uchicago.edu
Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

WINE CHEMIST/BIOCHEMIST OREGON STATE UNIVERSITY

The Department of Food Science invites applications for a 12-month, full-time, 100% research, tenure-track position at the rank of **ASSISTANT/ASSOCIATE PROFESSOR**. We seek a Ph.D. in food science or a field related to the biochemistry/chemistry of wines with experience/training in such areas as flavor chemistry, plant physiology, metabolic regulation, or secondary metabolites. The successful candidate must develop and maintain an extramurally funded research program in wine chemistry/biochemistry including cooperative enology/viticulture research with the Department of Horticulture related to optimizing grape and wine quality in Oregon. Incumbent will participate in a Fermentation Science teaching program. Further information may be obtained from the Departmental website: <http://osu.orst.edu/dept/foodsci>. Rank and salary commensurate with qualifications. Send application materials including letter of application, résumé, transcripts, names/addresses/telephone numbers of three references (will not be contacted without prior applicant approval) and a statement of research and teaching interests to: **Barney Watson, Wine Chemist/Biochemist Search Committee, Food Science and Technology, Oregon State University, Corvallis, OR 97331-6602.** To ensure full consideration, application materials must be received by October 6, 2000. *OSU is an Affirmative Action/Equal Opportunity Employer.*

IMMUNOLOGIST. The Department of Biomedical Sciences and Pathobiology, Virginia-Maryland College of Veterinary Medicine is continuing to accept applications for a calendar-year, tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position in immunology available January 1, 2001. Experience in cell signal transduction, CMI basic mechanisms, recombinant DNA technology, and/or other molecular approaches is preferred. In addition to the appointee's own research, collaboration in ongoing Departmental programs in vaccine development, autoimmunity, and immunotoxicology is strongly encouraged. Applicants must have a Ph.D. and postdoctoral experience. The appointee will be expected to establish an independent and extramurally funded research program. Although the program is primarily research focused, mentoring of graduate students and participation in the graduate program is expected. Send a letter of application, description of research goals, curriculum vitae, and names of three references to: **Immunology Search, Department of Biomedical Sciences and Pathobiology, College of Veterinary Medicine, Virginia Tech, Blacksburg, VA 24061.** Applications will be accepted until the position is filled. *Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, people of color, and people with disabilities. Individuals with disabilities desiring accommodations in the application process should notify: Dr. Ludeman Eng at the address above or by Telephone: 540-231-4652; e-mail: laeng@vt.edu; Virginia Telecommunications Relay Service: 800-828-1120.*

POSTDOCTORAL FELLOW

A Postdoctoral position is available immediately to study the regulation of apoptosis and germ cell development and proliferation by the Bcl-2 family of proteins. The laboratory utilizes a powerful combination of molecular, biochemical, and genetic approaches to study intact animals (mice), primary cells in culture, and cell lines (website: www.medicine.uiowa.edu/pathology/path_folder/research/knudson/index.html). A Ph.D. with experience in molecular biology, developmental biology, or murine experiments is desired. Qualified individuals should submit their curriculum vitae along with the names of three references to: **Dr. C. Michael Knudson, c/o Elaine Skiye, Human Resources, Department of Pathology, 1032 ML, University of Iowa, Iowa City, IA 52242. Telephone: 319-335-8589; e-mail: pathologyHR@uihc.uiowa.edu.** *The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

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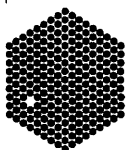
12th & 13th October 2000

Many PhDs have already made a successful switch from **Academia to Business**. Now, McKinsey is making the transition even easier.

At our intellectually stimulating workshop in New York on 12th and 13th of October, you can meet fellow PhDs who've joined our London office and discover how and why they made the switch. You'll also have a chance to apply your intellectual skills on a series of fun, absorbing and realistic business scenarios.

If you are eligible to work in the UK, currently studying in the US and interested in an exciting career with McKinsey in London, come and join us. Places are limited for this fully sponsored event and attendance is by invitation only. For further information and how to apply (the deadline is 29th September 2000), please visit our website at:

www.mckinsey.co.uk/londonday



EMBL

Monterotondo Research Programme

The European Molecular Biology Laboratory (EMBL) invites applications for a position as:

GROUP LEADER IN MOUSE BIOLOGY (ref. no.: 00/59)

We are interested in excellent candidates who work in the broad field of mouse biology (cell and developmental biology, neurosciences), using modern tools of genetic analysis and phenotypic analysis of mutant mice. The selected candidate will be given a standard EMBL Group Leader appointment initially for 5 years with the possibility of an extension for another 4 years. He/she will also hold an associate appointment in the EMBL Headquarters Laboratory in Heidelberg, which includes groups working on vertebrate gene expression, cell biology and development.

The European Molecular Biology Laboratory is an international research organisation consisting of three Outstations in Hamburg, Grenoble and Hinxton and a Headquarters Laboratory situated in Heidelberg, Germany. An EMBL Research Programme in Mouse Genetics was established beginning of 1998 at the 'Campus Adriano Buzzati-Traverso' at Monterotondo, near Rome, at a site where the 'European Mouse Mutant Archive' (EMMA), and the 'Istituto di Biologia Cellulare' (IBC) of the 'Consiglio Nazionale delle Ricerche' (CNR) are also established independently. Additional research groups of IBC-CNR and the 'International Centre for Genetic Engineering and Biotechnology' (ICGEB) are expected to move to the Monterotondo campus within the next year.

The research interests of the current EMBL Mouse Biology Programme include anti-viral defense mechanisms (Ulrich Kalinke), receptor tyrosine kinases in brain (Liliana Minichiello), B-cell development (Klaus Rajewsky) and the actin cytoskeleton (Walter Witke, Acting Coordinator). K. Rajewsky and U. Kalinke will be departing in 2001-2002.

Informal enquiries can be made directly to:

Dr Walter Witke, tel.: +39 06 90091 268, fax: +39 06 90091 272, witke@embl-monterotondo.it

Closing date for applications: 31 October 2000. The appointment will be available from March 2001.

EMBL is an inclusive, equal opportunity organisation. By providing an exciting and stimulating research environment consisting of young, independent research groups it also provides access to outstanding graduate students and postdocs. The Laboratory provides financial help in relocating families and additional benefits.

Applications, comprising a curriculum vitae, a short description of research accomplishments and future plans, and three letters of reference should be sent, quoting ref. no. 00/59, to:

The Personnel Section, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany.
Fax: +49 6221 387555; Tel.: +49 6221 387 208; email: jobs@embl-heidelberg.de

POSITIONS OPEN

MICROBIOLOGY FACULTY POSITION

The Department of Biological Sciences at Western Michigan University seeks applications for a tenure-track **ASSISTANT PROFESSOR** position in microbiology beginning fall 2001 pending budgetary approval. A Ph.D. degree and postdoctoral training are required. The development of an externally funded research program and contribution to the Department's Master's and Doctoral programs are expected.

Preference will be given to candidates with research interests in bacterial pathogenesis applying molecular techniques to address pathogen-host interactions. The ideal candidate would have research interests that complement existing strengths in plant-microbe interactions, environmental microbiology, virology and immunology, biological imaging, population genetics, and cellular and organismal biology (see website: <http://www.wmich.edu/bios>). Teaching responsibilities include undergraduate courses in microbiology and upper-level courses in the candidate's area of expertise.

Send a letter of application, curriculum vitae, statement of research and teaching philosophy, graduate transcripts, and three letters of reference to: **Dr. Leonard Beuving, Chair, Department of Biological Sciences, 1903 West Michigan Avenue, Western Michigan University, Kalamazoo, MI 49008-5410. E-mail: beuving@wmich.edu**. Review of applications will begin October 1, 2000, and will continue until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.*

Applications are invited for a full-time, permanent **ECOLOGIST**, GS-408-12/13, with the U.S. Geological Survey (USGS), Patuxent Wildlife Research Center, Laurel, Maryland. The incumbent will develop a program of research focused on developing and applying adaptive wildlife management to questions in population, habitat, and landscape management. Scope of research includes site- and problem-specific studies at regional, national, and international scales. Incumbent may be expected to travel as a representative of USGS in the course of research activities. Annual salary starts at \$51,204 for GS-12 and \$60,890 for GS-13. In applying, refer to Announcement Number H-00-911. Application packages must be received in the Personnel Office by September 29, 2000, for consideration. For more detailed information on this position, please call the **Office of Personnel**; Telephone: 703-648-6131; or visit USAJobs at website: <http://www.usajobs.opm.gov/>. *The USGS is an Equal Opportunity Employer. U.S. citizenship is required for this position.*

POSTDOCTORAL POSITIONS PROTEIN DELIVERY

Two Postdoctoral positions are available immediately in NIH-funded laboratory to study protein targeting and delivery in secretory epithelia. Please see website: <http://www.louisville.edu/dental/bbs/sven/htm> for additional information. Mail to: **Sven Gorr, MCB, University of Louisville, Health Sciences Center, Louisville, KY 40292. E-mail: sven.gorr@louisville.edu**.

MEDICAL COLLEGE OF WISCONSIN

POSTDOCTORAL POSITION available for study of coronary circulation, myocardial ischemia, and pharmacology of anesthetic drugs in NIH-funded program. Send curriculum vitae and three references to: **David C. Warltier, M.D., Ph.D., Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. E-mail: cknapp@mcw.edu**. *The Medical College of Wisconsin is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION: molecular biology/neurodegeneration for studies of mitochondrial genes in neurodegenerative disorders. Experience with automated DNA sequencing preferred. Please e-mail or FAX curriculum vitae to: **W. D. Parker, Center for the Study of Neurodegenerative Disorders, University of Virginia Medical Center, Charlottesville, VA 22901. E-mail: dp8m@virginia.edu; FAX: 804-982-1996.**

POSITIONS OPEN

INTERESTED IN CLINICAL OR POSTDOCTORAL RESEARCH TRAINING?

The National Institutes of Health has both! For more information, visit our website which lists an array of clinical and postdoctoral opportunities, including tenure-track positions.

<http://www.training.nih.gov>

NIH is dedicated to building a diverse community in its training and employment programs.

TENURE-TRACK SCIENTIST NINDS, NIH

Structural, Molecular, Cellular, Developmental, or Systems Neuroscience

As part of the continuing revitalization of the intramural neuroscience research community at NIH, the Intramural Research Program at NINDS invites applications to fill several tenure-track faculty positions. We seek exceptional candidates to establish independent and imaginative research programs in structural, molecular, cellular, developmental, or systems neuroscience. A Ph.D. or M.D. and at least two years of postdoctoral experience are required. The successful candidate will join a diverse, collegial group of investigators at NINDS (see website: www.intra.ninds.nih.gov) and become part of a new interinstitute neuroscience initiative. These positions include salary and highly competitive support packages that are commensurate with the qualifications and experience of the successful candidates. Applicants should send curriculum vitae including bibliography, statement of research interests, and the names of three references to: **Story Landis, Ph.D., c/o Mr. Glenn Hartzoge, Human Resources, 36 Convent Drive, MSC-4152 36/5A07, Bethesda, MD 20892-4152. Applications must be received no later than October 30, 2000. NIH is an Equal Opportunity Employer.**

PARASITOLOGIST: The Department of Biology, College of Charleston, invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level to begin August 2001. Candidates must possess a Ph.D., a strong commitment to teaching, and an active research program with the potential for undergraduate involvement. We are particularly interested in candidates whose research is at the molecular level. Teaching responsibilities include a course in modern parasitology and possibly ones in histology or introductory biology. The College of Charleston is a public liberal arts institution of 10,000 students. The College's primary goals are teaching and research excellence. In addition to its undergraduate programs, the Department offers M.S. degrees in marine biology and environmental studies. Information about the Biology Department is available at website: <http://www.cofc.edu/~biology/>. Applicants should submit curriculum vitae, statement of teaching and research interests, copies of relevant publications, and three letters of reference by November 15, 2000, to: **Chair, Department of Biology, Parasitologist Search Committee, College of Charleston, Charleston, SC 29424. The College of Charleston is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.**

POSTDOCTORAL POSITION in pre-mRNA splicing. We are studying the cyclophilin USA-CyP, which functions in both steps of pre-mRNA splicing, and the Prp18 protein, which is both a focus of work and a tool for investigating the mechanism of the second step of splicing. Experience in molecular biology is essential; some experience in protein biochemistry or *in vitro* RNA work is desirable. This position is fully funded by an NIH grant. If interested, please send curriculum vitae including the names of three references to: **Dr. David Horowitz, Department of Biochemistry, Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Bethesda, MD 20814. Telephone: 301-295-3589; FAX: 301-295-3512; e-mail: dhorowitz@usuhs.mil. Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIPS RESEARCH POSITIONS

W.M. Keck Center for Transgene Research The University of Notre Dame

Applications are invited for a number of Postdoctoral positions available in a multidisciplinary research center to develop and characterize mice with alterations of genes of hemostatic and related factors. A variety of animal models is employed not only in hemostasis but also in cancer and other inflammatory diseases. The successful candidate should have a Ph.D. and/or M.D. and demonstrate a strong background in chemical, biological, and/or medical sciences. Excellent and well-developed core structures are in place for research of the highest quality.

Interested candidates should send curriculum vitae, a statement of research goals, and three letters of recommendation to:

**Ms. Melanie E. DeFord
Assistant Director**

**W.M. Keck Center for Transgene Research
University of Notre Dame
Notre Dame, IN 46556
E-mail: deford.1@nd.edu**

The University is an Affirmative Action/Equal Opportunity Employer.

SCIENTIFIC CURATORS PROTEOME INC.

Proteome is a rapidly growing company at the forefront of the bioinformation revolution that provides comprehensively curated protein databases to the pharmaceutical industry and to academia. We have many openings for Scientific Curators, who collect and integrate protein information for our multispecies databases. Candidates must have training in mammalian or model systems, a wide knowledge of cell biology or related fields, excellent writing skills, and a Ph.D. Curators may work full- or part-time on-site or remotely, which offers maximum personal flexibility. Opportunities exist to advance to positions of greater responsibility in an exciting work environment. Please send a cover letter and curriculum vitae to: **Human Resources, Proteome Inc., 100 Cummings Center, Suite 435M, Beverly, MA 01915. E-mail: hr@proteome.com. See website: www.proteome.com for more information. An Equal Opportunity Employer.**

RESEARCH SCIENTIST

The Department of Pharmacology at The University of Texas Health Science Center at San Antonio is recruiting two Research Scientists to study ligand-gated receptor plasticity in central neurons following chronic elevations in afferent input. To qualify for this position, the successful candidate should have a Ph.D. degree and two years of related experience with RNA (RT-PCR) and *in vitro* (whole cell, single channel patch clamp) electrophysiological approaches. This full-time position offers a competitive salary and an excellent benefits package. Please send résumé and three references to: **Office of Human Resources at The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900. Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE/ASSISTANT PROFESSOR positions available in autoimmune arthritis research in the Section of Biochemistry and Molecular Biology at Rush University, Chicago. Position(s) requires documented experiences and understanding in genetics and molecular/cell biology as well as bioinformatics. Applicants should send curriculum vitae, brief summary of research experience, name and address of current preceptor, and at least two additional references to: **Tibor T. Glant, M.D., Ph.D., Professor, Search Committee, Section of Biochemistry and Molecular Biology, Department of Orthopedic Surgery, Rush University, 1653 West Congress Parkway, Chicago, IL 60612.**

DIRECTOR, MRC EPIDEMIOLOGY UNIT



The MRC invites applications from scientists of exceptional ability and international standing to lead a new MRC Epidemiology Unit. The Unit will be expected to carry out population-based research related to public health, and foster a culture in which epidemiology informs community medicine, individual care, and public health policy. The Unit will also contribute to the development of genetic epidemiology to maximise opportunities, with respect to public health, arising out of genetics and genome research.

The Director will be an outstanding scientist with the vision and breadth to identify key issues and new research priorities in epidemiology. Leading his/her own research team, it is envisaged that the Director will oversee an integrated and multi-disciplinary portfolio of research – probably focusing on 3-4 main programmes embracing a range of issues such as clinical and non-clinical investigations, complex diseases, new methodologies, and expanding opportunities in genetic epidemiology.

Good leadership and communication skills are required to organise and oversee several research programmes, promote research collaborations and interact with local institutions. The Director will foster training and career development in epidemiology, and promote dissemination and transfer of research findings to industry, the UK health service and users. The post will include responsibility for allocating and managing the Unit's budget and resources, contributing to MRC strategic planning and policy development, and providing policy advice on epidemiology to others.

This will be a career appointment with the Council. MRC is an equal opportunities employer.

— For further information and to discuss your interest in strict confidence, please contact —

Dr Kevin Young, Euromedica plc. 7 Heron Quays, Docklands, London E14 4JB. UK
Telephone 44-(0)20 7536 7950. Fax 44-(0)20 7538 8362. E-mail: kevinyoung@euromedica.com



THE UNIVERSITY
of LIVERPOOL

Department of Earth Sciences Lectureship in Geophysics

Initial salary within the range £18,731 - £30,967 pa

Applications are invited for a lectureship in Geophysics, available from 1 January 2001 in a large department nationally graded as excellent for research and teaching in geology, geophysics and oceanography. Candidates should have a proven research track record and be able to contribute to all levels of undergraduate geophysics teaching. The appointee should develop new research areas in either seismology, geomagnetism, geodynamics or space-based geodesy, or complement our existing core research activities in Earth Sciences.

Informal enquiries to Professor Nick Kusznir on 0151 794 5182, email: sr11@liv.ac.uk.

Quote Ref: B/413/S Closing Date: 16 October 2000

Further particulars and details of the application procedure may be requested from the Director of Personnel, The University of Liverpool, Liverpool L69 3BX on 0151 794 2210 (24 hr answerphone) or via email: jobs@liv.ac.uk

Web site at <http://www.liv.ac.uk>

COMMITTED TO EQUAL OPPORTUNITIES



UNIVERSITY OF
OXFORD

Professorship of Bioinformatics

The electors intend to proceed to an election to the newly-established Professorship of Bioinformatics with effect from as early a date as may be arranged.

The University interprets Bioinformatics widely, to include the application of mathematical, statistical, or computational techniques to the analysis or handling of data arising in modern molecular genetics. More information about this will be found in the further particulars.

A non-stipendiary fellowship at University College is attached to the professorship.

Applications (ten copies, or one only from overseas candidates), naming three persons who have agreed to act as referees on this occasion, should be received not later than 16 October 2000 by the Registrar, University Offices, Wellington Square, Oxford OX1 2JD, from whom further particulars may be obtained. Further particulars may also be accessed on the Web (URL: <http://www.admin.ox.ac.uk/fp/>).

The University is an Equal Opportunities Employer.

POSITIONS OPEN

A POSTDOCTORAL POSITION to study the regulation of E3 ubiquitin ligases, which are key players in signal transduction (see *Spiegelman et al.*, *Mol. Cell* 5:877, 2000), is available from November 1, 2000. An excellent work environment on the University of Pennsylvania's campus will assist the use of genetic, molecular, and cellular techniques to determine the functions of those enzymatic complexes in cell growth, transformation, differentiation, and death. Self-motivated applicants with a Ph.D. and experience in molecular biology and biochemistry or mammalian genetics are encouraged to apply.

Interested applicants should send curriculum vitae, publication list, and a brief description of research interests and experience to: **Dr. Serge Fuchs, c/o Judy Bennett, Department of Animal Biology, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104-6046. E-mail: jbennett@vet.upenn.edu.**

University of Pennsylvania is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS AIRWAY CELL PHYSIOLOGY AND DISEASE

Department of Physiology, University of Massachusetts Medical School: Postdoctoral positions (NIH funded) are available for two years to study intercellular Ca²⁺ signaling in airway epithelial and smooth muscle cells and the regulation and dysfunction of airway mucociliary activity. Experience in confocal microscopy, Ca²⁺ imaging, electrophysiology, tissue culture, and molecular biology desirable. Details at [website: http://users.umassmed.edu/michael.sanderson/mjlab](http://users.umassmed.edu/michael.sanderson/mjlab). Send curriculum vitae and statement of interests to: **Dr. Michael J. Sanderson, Department of Physiology, University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655.**

POSTDOCTORAL FELLOW NEUROCHEMISTRY, NEUROSCIENCE

A Postdoctoral position is available to study neurotransmitters (glutamate and catecholamine) involved in mechanisms of pain and analgesia in the central nervous system. Experience in neurochemical (HPLC) assay and electrophysiological studies is preferred. Send curriculum vitae and the names of three references to: **Dr. Hui-Lin Pan, Penn State University College of Medicine, The Milton S. Hershey Medical Center, Department of Anesthesiology, P.O. Box 850, H187, Hershey, PA 17033.**

POSTDOCTORAL FELLOW: M.D./Ph.D. Study cellular mechanisms underlying hyperexcitability associated with temporal lobe epilepsy. Electrophysiology (extracellular and whole cell patch) experience required; histochemistry, imaging desirable. Salary commensurate with experience. Information at [website: http://www.usuhs.mil/pha](http://www.usuhs.mil/pha). Send curriculum vitae, three references to: **Dr. Suzanne Bausch, Uniformed Services University of the Health Sciences Pharmacology Department, 4301 Jones Bridge Road, Bethesda, MD 20814-4799. E-mail: sbausch@usuhs.mil.** *Affirmative Action/Equal Opportunity Employer. Must be U.S. citizen or permanent resident.*

POSTDOCTORAL POSITION to study DNA damage and repair in the telomeres of mammalian cells. Send curriculum vitae, statement of research interests, and the names of three references to: **Dr. John P. Murnane, Radiation Oncology Research Laboratory, University of California, 1855 Folsom Street, MCB 200, San Francisco, CA 94103. E-mail: murnane@rorl.ucsf.edu.** *University of California San Francisco is an Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS are available to study the role of papillomavirus oncoprotein E7 in tumorigenesis. Recent Ph.D. with experience in molecular biology and/or protein biochemistry required. Send résumé and references to: **Srilata Bagchi, Ph.D., Center for Molecular Biology, M/C 860, University of Illinois at Chicago, Chicago, IL 60607. E-mail: sbagchi@uic.edu.**

POSITIONS OPEN

REA POSTDOCTORAL FELLOWSHIP CARNEGIE MUSEUM OF NATURAL HISTORY

Applications are invited for a Postdoctoral Research Fellowship for specimen-based research in anthropology, botany, entomology, herpetology, invertebrate paleontology, malacology, mammalogy, or vertebrate paleontology. Position is for one year, renewable upon review for a second year. Applicants are encouraged to contact individual curators with whom they intend to study prior to application (see [website: www.clpgh.org/cmnh](http://www.clpgh.org/cmnh)). Send curriculum vitae, three references, and plan of research by 1 November 2000 to: **John R. Wible, Interim Director, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, PA 15213.**

POSTDOCTORAL FELLOW CELL BIOLOGY UNIVERSITY OF CALIFORNIA, LOS ANGELES

A position is available to study the mechanism of mitochondrial division and other aspects of mitochondrial morphology. The laboratory has been focused on the role of a dynamin-related protein in mitochondrial division but is currently branching out to identify and study other proteins that control the shapes of mitochondrial membranes. For more information, see [website: http://research.mednet.ucla.edu/Departments/bc_faculty.CFM?FacultyKey=161](http://research.mednet.ucla.edu/Departments/bc_faculty.CFM?FacultyKey=161).

Please send curriculum vitae and the names of three references to:

**Alex van der Blik
Department of Biological Chemistry
UCLA School of Medicine
P.O. Box 951737
Los Angeles, CA 90095-1737 U.S.A.
E-mail: avan@mednet.ucla.edu**

SENIOR FACULTY POSITION NEUROSCIENCE

The University of Southern California invites applications for a **TENURED POSITION** at the senior level in neurobiology and gerontology. Preference will be given to established researchers in aging, neurodegeneration, and plasticity and repair. Successful applicants will have outstanding opportunities for interaction with our multidisciplinary Neuroscience Program, including scientists with interests in synaptic plasticity, learning and memory, and neural systems. Qualified applicants should send curriculum vitae, brief statement of research interests, and arrange for three letters of reference to be sent to: **Search Committee, Program in Neuroscience, University of Southern California, Los Angeles, CA 90089-2520.** Screening of applications will begin December 2000. *University of Southern California is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS (two) are available immediately to determine the mechanism of mercury resistance in hyperthermophilic archaea. Ph.D. and experience in microbial genetics or biochemistry (Position 1) and microbial ecology (Position 2) are necessary. Salary commensurate with experience. Funding is available for three years contingent on performance. Please send curriculum vitae, research summary, and names/e-mail addresses of three recommenders to: **Dr. Paul Blum, University of Nebraska, E234 Beadle Center for Genetics, Lincoln, NE 68588-0118. E-mail: pblum@biocomp.unl.edu; website: <http://microbiology.unl.edu/BlumLab.html>.** *University of Nebraska at Lincoln is committed to Affirmative Action/Equal Employment Opportunity and ADH/504. For accommodation, please Telephone: 402-472-2769.*

POSITIONS OPEN

NIH-funded **POSTDOCTORAL POSITIONS** available immediately to study the molecular signatures of breast cancer, utilizing state-of-the-art functional genomics methodologies. Projects include the use of serial analysis of gene expression, novel gene cloning, and biomarkers development. More information can be found at [website: http://sciencepark.mdanderson.org/](http://sciencepark.mdanderson.org/).

Strong experience in molecular biology is preferred. Qualified candidates (Ph.D. or M.D.) should submit curriculum vitae, names of three references (addresses, e-mail, FAX, telephone) to: **C. Marcelo Aldaz, M.D., Ph.D., University of Texas M. D. Anderson Cancer Center, Science Park Research Division, P.O. Box 389, Smithville, TX 78957. FAX: 512-237-2475; e-mail: maldaz@odin.mdacc.tmc.edu.**

POSTDOCTORAL FELLOW MOLECULAR PROFILING OF HUMAN CANCER

**Memorial Sloan-Kettering Cancer Center
New York, New York**

Postdoctoral fellowship available immediately to join NCI-funded program in developing new PCR and LDR techniques for gene expression and mutation profiling of human colorectal cancer. A Ph.D. and experience in molecular biology are required. Send curriculum vitae, summary of research experience, and three references to: **Dr. Philip Paty, Department of Surgery, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. FAX: 212-717-3678.**

The structural immunology group at Dana-Farber Cancer Institute has an immediate opening for a highly motivated **POSTDOCTORAL FELLOW** in protein crystallography. This person is expected to work on structural basis of cellular immunity. You will enjoy a rich collaborative environment in immunology within the Institute as well as a broad structural biology community at Harvard Medical School. Experience in molecular biology and/or protein chemistry is preferred. Small-molecule crystallographers are also welcome to apply. Interested candidates please send résumé to: **Dr. Jia-huai Wang, Dana-Farber Cancer Institute, Smith 1036, 44 Binney Street, Boston, MA 02115. FAX: 617-632-4393.** *We are an Affirmative Action/Equal Opportunity Employer.*

A POSTDOCTORAL POSITION is available immediately to study intercellular signaling mechanisms using *Drosophila* as a model system. A Ph.D. in molecular biology, genetics, or related discipline is required. Laboratory is located on the NIH campus in Bethesda, Maryland. Please send curriculum vitae, brief summary of research experience, and the names of three references to: **Deborah Hursh, Ph.D., Division of Cell and Gene Therapies, CBER/FDA, HFM-521, 1401 Rockville Pike, Rockville, MD 20852-1448. Telephone: 301-827-0670; e-mail: hursh@cber.fda.gov.**

POSTDOCTORAL POSITION available. Research includes the molecular analysis of the actions of Vitamin A and retinoic acid in cancer and development. Send curriculum vitae, names of three references, and a statement of research interests to: **Dr. Lorraine J. Gudas, Department of Pharmacology, Weill Medical College of Cornell University (formerly Cornell University Medical College), 1300 York Avenue, New York, NY 10021. FAX: 212-746-8858.** *An Equal Opportunity Employer/Affirmative Action/Minorities/Females/Disabled/Veterans.*

POSTDOCTORAL CHEMIST: Work in the NSF Center for Biocatalysis and Bioprocessing of Macromolecules. Preference for recent Ph.D. with experience in some of the following: organic synthesis, biocatalysis, polymers, surfactants. Competitive salary. Send full curriculum vitae and publication reprints to: **Professor Richard Gross, Polytechnic University, Six Metrotech Center, Brooklyn, NY 11201.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE position available in October 2000 to study nearshore marine ecosystem dynamics in the Pacific Basin. Responsibilities include primarily data analysis; synthesis and integration across the data sets from each region, helping to establish and maintain a Web-based data management and archival system; and publication of results. The position requires regular travel to University of California Santa Barbara and annual trips to Chile and New Zealand. Applicants must have a Ph.D. in marine ecology with expertise in analytic, integrative, and synthetic approaches. Position is 1.0 full-time employment; salary is \$40,000. Send letter of application; curriculum vitae; and names, addresses, telephone numbers, and e-mail addresses of two references to: **Dr. Bruce Menge or Dr. Jane Lubchenco, Department of Zoology, Oregon State University, Corvallis, OR 97331. Telephone: 541-737-8403.** Apply by September 29, 2000; open until filled. *Oregon State University is an Affirmative Action/Equal Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.*

POSTDOCTORAL RESEARCHER IN NEURAL COMPUTATION UNIVERSITY OF CALIFORNIA, SAN DIEGO

The Institute for Nonlinear Science (INLS) has a three-year **POSTDOCTORAL POSITION** available immediately to work on the nonlinear dynamics of neural systems. The laboratory, under the direction of **H. D. I. Abarbanel, M. Rabinovich, and A. I. Selverston**, takes a multidisciplinary approach combining electrophysiological experiments, numerical simulations, and analog circuit implementations of nonlinear processes in communications among small systems of neurons. We are seeking applicants who are able to participate in both the laboratory and modeling aspects of the research. Interested parties should send curriculum vitae and the names of three references to: **H. D. I. Abarbanel, University of California, San Diego, INLS, 9500 Gilman Drive, La Jolla, CA 92093-0402.** *UCSD is an Equal Opportunity/Affirmative Action Employer. This position requires U.S. citizenship.*

POSTDOCTORAL POSITIONS (two) available immediately at Beth Israel Deaconess Medical Center/Harvard Medical School in the broad area of angiogenesis. The studies are aimed at identifying the mechanism of action of antiangiogenic agents including endostatin, defining signaling pathways and receptors, biochemically purifying novel antiangiogenic molecules from conditioned media, and setting up of coculture systems to mimic *in vivo* tumor microenvironments. The individual must have demonstrated knowledge of molecular biology (one position) and/or biochemistry, especially protein purification (second position). Academic rank and salary will be commensurate with training and experience. Send curriculum vitae and names of three references to: **Vikas P. Sukhatme, M.D., Ph.D., RW 563, Beth Israel Deaconess Medical Center, 330 Brookline Avenue, Boston, MA 02215. E-mail: vsukhatm@caregroup.harvard.edu.** *Beth Israel Deaconess Medical Center/Harvard Medical School is an Equal Opportunity/Affirmative Action Employer.*

Mayo Clinic **POSTDOCTORAL POSITION** with NIH training grant support is available for a Postdoctoral Fellow with an interest in the molecular mechanism of liver cancer development. The project is a collaborative effort between the Division of Gastroenterology and Hepatology and the Cancer Genetics Program of the Mayo Comprehensive Cancer Center. Ongoing studies include chromosomal fragile site cloning, microarray analysis of liver cancer, and discovery of potential therapeutic gene targets in liver carcinogenesis. *Candidates must be U.S. citizens or permanent residents and have an M.D. or Ph.D. degree.* Please send curriculum vitae and the names of three references to: **Lewis R. Roberts, M.D., Ph.D., Division of Gastroenterology and Hepatology, Mayo Clinic, 200 First Street S.W., Rochester, MN 55905. Telephone: 507-284-4823; e-mail: roberts.lewis@mayo.edu.** *Mayo Foundation is an Affirmative Action/Equal Opportunity Employer and Educator.*

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE/RESEARCH TECHNICIAN III

The University of Georgia Complex Carbohydrate Research Center (CCRC) seeks a Biochemist/Chemist to (1) work on the isolation and structural characterization of bacterial lipopolysaccharides (endotoxins) and (2) to assist in the analysis of carbohydrate and glycoconjugate samples submitted to the CCRC by outside investigators. Both projects involve analytical procedures in carbohydrates. The position is available immediately and salary is dependent on experience. Please send a letter of application, names and addresses of three references, and current curriculum vitae by October 1, 2000, to: **Dr. Russell Carlson, CCRC/UGA, 220 Riverbend Road, Athens, GA 30602-4712 U.S.A. FAX: 706-542-4412; e-mail: rcarlson@ccrc.uga.edu.** *Affirmative Action/Equal Employment Opportunity.*

POSTDOCTORAL POSITION GERM LINE STEM CELLS

Studies include culture and transfection of male germ line stem cells (spermatogonia) and identification and isolation of genes active in stem cell self-renewal and differentiation. Send curriculum vitae, names of three references, and a letter describing research experience to: **Dr. R. L. Brinster, School of Veterinary Medicine, University of Pennsylvania, 3850 Baltimore Avenue, Philadelphia, PA 19104.**

ANNOUNCEMENTS

FUNDING FOR U.S. REGIONAL ENVIRONMENTAL CHANGE NOW AVAILABLE

RESEARCH SCIENTISTS associated with a university are invited to submit a proposal for funding by the National Institute for Global Environment Change for the academic fiscal year 2001-2002.

The program description and the proposal guidelines are available online at the following website: <http://nigec.ucdavis.edu/rfp/>. Letters of intent are requested by September 18, 2000, and the full proposal is due October 18, 2000.

PROGRAMS

VISITING SCIENTIST PROGRAMS University Corporation for Atmospheric Research

Research and training opportunities throughout the United States at a variety of universities and federal research laboratories. Appointments available for graduate students, postdoctorates, and experienced scientists in the atmospheric, oceanic, and related sciences, including human dimensions. Contact: **University Corporation for Atmospheric Research, Boulder, CO. Website: <http://www.vsp.ucar.edu>.**

GLOBAL OPPORTUNITIES

A **POSTDOCTORAL POSITION** is available for a highly motivated candidate to join a National Health and Medical Research Council-funded multidisciplinary group studying the molecular mechanisms of skeletal and cardiac muscle hypertrophy. Strong background in molecular and cell biology is essential; experience in cellular ion transport is desirable. Send curriculum vitae and names of three references to:

**Professor Robert M. Graham
The Victor Chang Cardiac Research Institute
384 Victoria Street, Darlinghurst
Sydney NSW 2010 Australia
E-mail: b.graham@victorchang.unsw.edu.au**

LECTURER AND SENIOR LECTURER

Two positions in the Department of Microbiology and Immunology, University of Melbourne, Australia. For further information, see website: www.hr.unimelb.edu.au/r.

EUROPEAN OPPORTUNITIES

A **POSTDOCTORAL POSITION** is immediately available for two years to study the dendritic transport of receptor subunits in developing neurons using GFP-based imaging techniques (see *Biotechniques* 28: 722-730, 2000; website: <http://server.nbio.uni-heidelberg.de/Gerdes.html>). The laboratory uses a variety of biochemical, molecular, cell biological, and imaging techniques. Applicants should have a Ph.D. and/or M.D. and experience in one or more of the areas mentioned. Send a letter of application, curriculum vitae, and contact information for three references. Respond, preferably by e-mail, to:

**Hans-Hermann Gerdes, Ph.D.
Interdisciplinary Center of Neurosciences
Department of Neurobiology, INF 364
University of Heidelberg
D-69120 Heidelberg, Germany
E-mail: hhgerdes@sun0.urz.uni-heidelberg.de**

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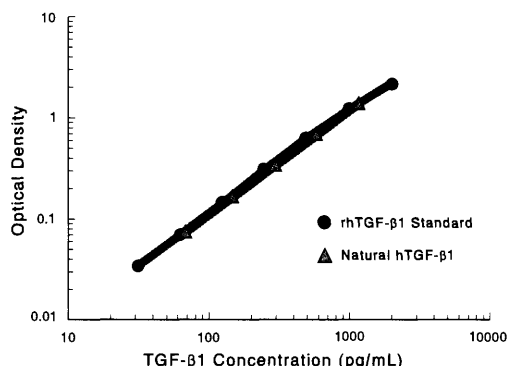
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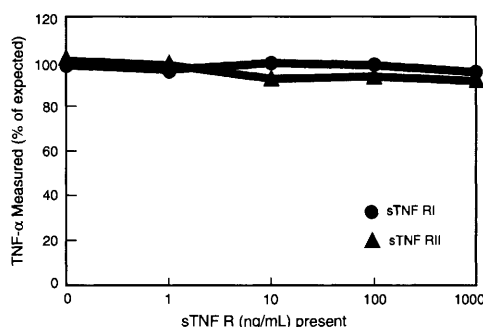
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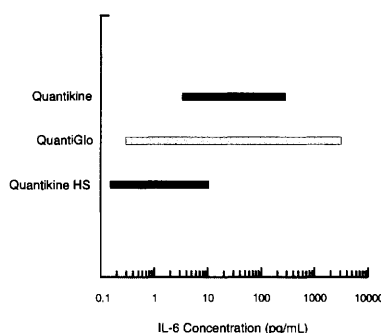


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