

# ® evolution



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# NEW PRODUCTS

## DRUG DISCOVERY SOFTWARE

Pipeline Pilot is software for drug discovery informatics designed to help researchers derive maximal value from their research data. It makes use of the new approach of data pipelining to process data collections through linked computational steps at extremely high throughput. With Pipeline Pilot,

### SciTegic

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lot, researchers can begin to analyze and mine whole data sets without the limitations of their existing informatics infrastructure. By guiding the flow of data through a protocol of computational components, disparate sets can be merged, analyzed, or manipulated with tremendous flexibility. The individual components that make up Pipeline Pilot can be configured and positioned graphically in a data flow network to perform multistep computational protocols.

## RECOMBINANT PROTEIN FOLDING REAGENTS

The Protein-Foldase kit is designed to simplify the optimization of protein folding procedures. This kit is based on a proprietary combination of denaturing agents for solubilization of inclusion bodies and the folding protocol based on rapid dilution of denatured protein into proprietary folding mixes. Because every protein has unique folding properties, the kit offers a selection of folding mixes.

### Genotech

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## MICROPLATE FLUOROMETER FOR CELL-BASED ASSAYS

The Fluoroskan Ascent CF microplate fluorometer is designed to save users' time in sensitive cell-based assays. Making use of fiberless optics and bottom plate reading, the system is sensitive enough to be suitable for applications such as reporter gene and cell adhesion assays. The microplate reader also makes use of selectable multiple measurement points to compensate for uneven cell growth, which results in improved accuracy. It includes a filter pair optimized for detecting a range of green fluorescent proteins,

### Dynex Systems

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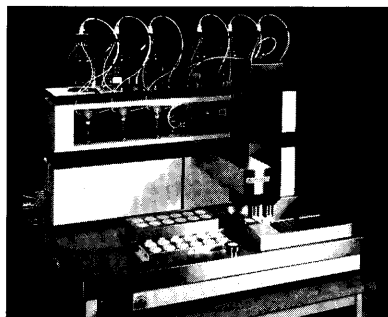
but can be easily customized to use filters for other applications. An adjustable shaking speed ensures gentle handling of cells. For high-throughput screening, it offers a choice of two beam diameter settings for reading up to 384-well microplates.

## HIGH-PERFORMANCE ORGANIC SYNTHESIS

The Myriad Discoverer Series is a range of fully automated systems for high-performance solution and solid-phase synthesis. The Myriad Discoverer's synthesizers make use of a dual liquid handling system with a unique reaction vessel design, which enables reactions sensitive to moisture and air to be performed under highly inert conditions. All synthesizers in the series make use of an innovative pipette delivery mechanism to enable controlled dropwise reagent addition,

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prevention of cross-contamination, use of volatile and viscous reagents, and resin slurry additions. A range of systems is included to meet different scale and temperature needs. The systems are fully upgradeable.

## AUTOMATED MICROSCOPE

The Leica DM LFSA Microscope is an innovative fixed-stage automated instrument. It features a programmable nosepiece that provides a smooth transition from one objective to the next without vibration of the specimen or instrument. Whether working with ultraviolet, visible, or near infrared light, the user needs only to select one long working distance apochromatic objective at each magnification to cover the full spectrum of applications. The intelligent movement of

### Leica

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the nosepiece design allows easy access to multiple probes and manipulation tools without adjusting the instrument or disturbing the specimen. An all-ceramic dual stage ensures thermal protection of the sample while reducing electrical interferences. The microscope provides one of the most stable platforms for patch clamp research techniques in live cell research.

## LITERATURE

*Products for PCR and RT-PCR* is a detailed brochure on a range of products for polymerase chain reaction (PCR) and reverse transcriptase-PCR (RT-PCR). A companion,

### Life Technologies

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comprehensive, 28-page applications guide covers the basics of the processes and includes specific tactics for improving sensitivity, yield, specificity, and fidelity for a variety of applications. Life Technologies develops and manufactures technologies for PCR, RT-PCR, and custom primers, as well as systems for nucleic acid purification, cloning, and expression.

*VLiPs: GPCRs in a Nut-Cell* gives an overview of how vesicle-like particles (VLIps) can serve as a unique packaging vehicle for cellular proteins, whether of membrane or cytoplasmic origin. The particles make use of viral budding to create a robust biological reagent for analytical reactions, combining the advantages of cell-based assays with the simplicity of assays performed on purified proteins in solution. The manufacturer is developing VLIp applications for screening a variety of transmembrane receptors, including G protein-coupled receptors (GPCRs), cytoplasmic targets, ion channels, and even ligand-induced labeling for screening 7TM orphan receptors.

### Evotec

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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.

# Only GATEWAY™ Cloning Technology takes you into the future of functional genomics.

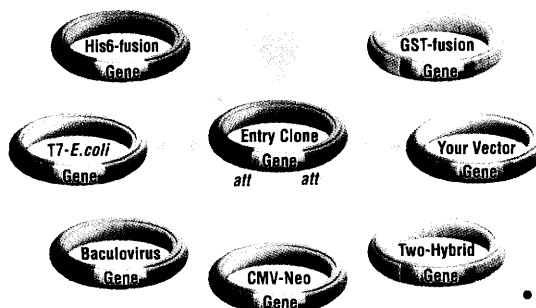
Here's why leaders are adopting GATEWAY™ Cloning Technology as their operating system for functional genomics.

- It is ideal for both small-scale and high-throughput applications.
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- Reduce screening. Typically >99% of resulting colonies are desired clones.
- Make your favorite vector GATEWAY Technology-compatible.
- Save time and maximize productivity.

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These products are for laboratory research use only and are not intended for human or animal diagnostic, therapeutic, or other clinical uses, unless otherwise stated.  
This product is the subject of U.S. patent 5,888,732. Limited Label Licenses apply.

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**POSITIONS OPEN**



**FACULTY POSITION  
BACTERIAL PATHOGENESIS**  
University of Miami School of Medicine

The Department of Microbiology and Immunology at the University of Miami School of Medicine invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level. An individual utilizing a molecular approach to study any aspect of bacterial pathogenesis is sought. All applicants should have five years of postdoctoral experience and a commitment to establishing an externally funded independent research program. Quality research facilities, start-up funds, and salary will be provided to the appointee. Applicants should have a Ph.D., M.D., or equivalent degree. The appointee will be expected to participate in graduate and undergraduate training programs. Interested applicants should send curriculum vitae, a statement describing research achievements and future research goals, relevant reprints, and the names of three references to:

Carleen Collins, Ph.D., Chair  
Bacterial Pathogenesis Search

Department of Microbiology and Immunology  
University of Miami School of Medicine

P.O. Box 016960 (R-138)

Miami, FL 33136

E-mail: ccollins@med.miami.edu

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**RESEARCH SERVICE FELLOW POSITIONS**

in the field of computational chemistry/molecular modeling are available at the National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention. The candidates will conduct research in computational biochemistry and molecular biology of occupational hazards and injuries. QSAR applied to contact sensitizers and biological specificity of metals are among the priority topics. The initial salary range is \$42,000 to \$60,000 per annum.

Individuals with exceptional abilities and research/educational records are requested to apply. Experience with chemical informatics technology, QSAR, free energy calculations, protein homology modeling, semimicroscopic methods, or related topics is highly desirable.

Please submit a letter of intent, résumé, and contact information for three references by e-mail to: sgs2@cdc.gov or by post to: **Computational Biology Team, NIOSH/HELD/EAB, MS 3030, 1095 Willowdale Road, Morgantown, WV 26505-2888. Telephone: 304-285-6034; FAX: 304-285-6041.** To ensure full consideration, applications must be received by November 15, 2000. *CDC/NIOSH is an Equal Opportunity Employer.*

**ECOLOGIST  
IOWA STATE UNIVERSITY**

We seek an Ecologist (**ASSISTANT PROFESSOR**, tenure track) interested in basic research on ecological processes relevant to the restoration of the diversity, structure, or functioning of natural ecosystems. This person will complement existing research activities in an expanded restoration ecology program (website: <http://www.public.iastate.edu/~botany/>). The successful candidate will develop an independent, competitively funded research program and be involved in undergraduate and graduate teaching. Applicants should submit curriculum vitae; statements of research interests and teaching philosophy; selected reprints; and have three letters of recommendation sent by November 27, 2000, to: **Dr. Tom Jurik, Ecologist Search, Department of Botany, 353 Bessey Hall, Iowa State University, Ames, IA 50011-1020.** *Iowa State University is an Equal Opportunity/Affirmative Action Employer.*

**POSITIONS OPEN**

**PROFESSOR AND HEAD**

Applications are invited for the position of Head, Department of Medical Microbiology, Faculty of Medicine, University of Manitoba, for a five-year term commencing January 1, 2001, or as soon thereafter as possible. The successful applicant will also be appointed to a full-time, tenured position at the rank of Professor. Winnipeg is the capital of this Western Province of 1.2 million people and is the centre for academic leadership and coordination of services in microbiology and infectious diseases for the Province. The Department has a complement of nine full-time and nine part-time faculty. The Department has a worldwide reputation for research and education and is closely integrated with the Sections of Infectious Diseases, Department of Internal Medicine, and Department of Pediatrics. The Department is responsible for programs of education at the undergraduate and graduate levels.

The Department has major research and training activities in international health (major CIDA-funded projects in Kenya and India), sexually transmitted diseases, nosocomial infections, antimicrobial resistance, vaccine trials, and several other fields.

The Department has newly developed academic linkages with the federal laboratory, the Canadian Science Centre for Human and Animal Health. A Centre for Microbiology and Infectious Diseases Research is in development at the University of Manitoba involving the Department with the clinical sections of Infectious Diseases in Adult Medicine and Pediatrics, Community Health Sciences, and the provincial departments of Epidemiology and Public Health.

Candidates must have a Ph.D. and/or M.D. (licensable in Manitoba). Applicants with appropriate credentials, experience, and skill sets may also be considered for the position of Head, Section of Infectious Diseases in the Department of Internal Medicine. Candidates should have a substantial record of achievement in research in medical microbiology or Infectious Diseases as well as extensive experience in teaching and proven administrative experience.

Interested candidates should submit a letter outlining their interest and suitability for the position; curriculum vitae; and the names of three references by November 30, 2000, to: **Dr. Brian Hennen, Dean, Chair, Medical Microbiology Search Committee, Faculty of Medicine, University of Manitoba, A101-753 McDermot Avenue, Winnipeg, MB R3E 0W3 Canada.** *The University of Manitoba encourages applications from qualified women and men, including members of visible minorities, aboriginal peoples, and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.*

**MICROBIOLOGY FACULTY POSITIONS  
UNIVERSITY OF UTAH**

The Department of Biology at the University of Utah seeks applicants for two tenure-track faculty positions at the **ASSISTANT PROFESSOR** level in the general area of microbiology. We hope to appoint individuals who can contribute to both the research and teaching activities of a department with unusually broad interests ranging from biochemistry to ecology. Research areas of interest for this appointment include but are not limited to enzymology, metabolism, physiology, genetics, cell biology, pathogenesis, evolution, or ecology. In addition to developing strong research programs in microbial biology, the successful candidates will contribute to teaching at the undergraduate and graduate levels, including courses in microbiology. Please submit curriculum vitae, descriptions of research interests and teaching interests, and three letters of reference to: **Microbiology Search Committee, Department of Biology, University of Utah, 257 South 1400 East, Salt Lake City, UT 84112-0840.** Review of applications will begin January 16, 2001. *The University of Utah is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities and provides reasonable accommodation to the known disabilities of applicants and employees.*

DNA Plant Technology Corporation is **building a new technology platform - advanced trait genomics** - focused on the identification and regulation of plant genetic networks. We are employing functional genomics and transcript profiling approaches as core technologies in **both model and target crops** to develop commercial traits for our customers. Our expertise in plant transformation and gene expression, along with **exclusive access** to key technologies in **selected crops**, uniquely positions us in the agricultural biotechnology industry to **exploit genomics tools for trait development**.

We are **seeking motivated scientists** committed to trait development to work in our dynamic environment in the following areas:

**Plant Molecular Biology:** Candidates must have a Ph.D. with two to three years postdoctoral experience and demonstrated expertise in a wide array of molecular biology techniques including RNA and DNA analysis, sequencing, vector construction and PCR based methods. The successful candidate will utilize molecular strategies to enhance fruit and vegetable quality.

**Molecular Plant Pathology:** Candidates must have a Ph.D. in Entomology/Plant Pathology or related field with an emphasis on plant-nematode/insect interaction plus three to four years lab experience working with plant-parasitic nematodes/insects. We look forward to working with scientists who will be integral parts of a team working on developing novel strategies to engineer crops for nematode/insect resistance.

**Genomics/Expression:** Candidates must have a Ph.D. with a minimum of three years postdoctoral experience and demonstrated expertise in a wide array of molecular biology techniques. Successful candidates will primarily contribute to our genomics program utilizing functional and expression methodologies to develop plant-based strategies for fungal disease resistance.

Additionally, we are **seeking outstanding Research Associates** to work with our scientist in the above noted areas. Applicants for Research Associate positions should have a BS degree or MS degree and two or more years of research experience, although we highly encourage motivated recent graduates to apply. A working knowledge of molecular biology techniques is required.

DNAP provides an unusually **stimulating research environment** and offers **excellent compensation** and a strong health benefits package.

Interested individuals should submit a resume and cover letter including contact information for three references to: **Human Resources, DNA Plant Technology, Inc., 6701 San Pablo Avenue, Oakland, CA 94608** or fax (510) 450-9366.

### Faculty Positions in Cancer Research LSU Health Sciences Center

The Stanley S. Scott Cancer Center at LSU Health Sciences Center in New Orleans invites applications for tenure-track or tenured positions at the Associate Professor or Professor level. Candidates should possess a Ph.D. or M.D. degree and have demonstrated excellence in their research as indicated by both publications and a track record of externally funded research grants. The successful applicants will be expected to pursue an independent yet collaborative approach, addressing broad issues that relate to oncologic science. Research interests in prostate and/or lung cancer are encouraged but not required.

The search will give full consideration to applications that include curriculum vitae (including funding grant history), four representative publications, and the names of three individuals that may be contacted for letters of reference.

Joint appointments in the Cancer Center and an appropriate Department at the LSU Medical School are anticipated. The individual Departments will be dependent on the successful applicants' expertise and interests. Laboratory space will be provided in a new state-of-the-art facility in the heart of the Medical School complex.

Interested candidates should submit their curriculum vitae to:

**Dr. Oliver Sartor, Director  
Stanley S. Scott Cancer Center  
533 Bolivar Street, Box CSB-4-17  
New Orleans, Louisiana 70112**

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### The Endowment for SCHOLARS in Biomedical Research at

**The University of Texas Southwestern Medical Center**

UT Southwestern is pleased to announce the continuation of the Endowed Program for Scholars in Biomedical Research. The Program, which is fully funded from private endowment, will provide \$600,000 over four years to support the research activities of each new **Assistant Professor** (tenure track) appointed to the Program; five will be appointed annually. In addition, regular funding for salary, as well as research space, will be provided by the medical school department or research center offering the appointment. Positions in both **basic science** and **clinical departments** are available. The goal of the program is to assure a successful beginning of the research careers of an ever-growing cadre of outstanding young investigators at UT Southwestern.

For detailed information about currently available faculty positions, please access our web page: <http://www.swmed.edu>.

**SOUTHWESTERN  
The University of Texas  
Southwestern Medical Center  
At Dallas**

*UT Southwestern is an equal opportunity institution.*



### THE ROBERT A. SILVER CHAIR for research in NEURODEVELOPMENTAL DISORDERS affecting the behavior of children

The University of South Florida is seeking applications from qualified individuals for the Robert A. Silver Endowed Chair for research in developmental disorders that affect the behavioral or mental well-being of children. The successful applicant will also serve as Director of the Neurodevelopmental Disorders Research Laboratory at the University's recently established Center for Infant and Child Development. This is a tenure-earning position which is expected to be filled at the Professor or Associate Professor level.

The focus of the chairholder's scientific activity is expected to include studies aimed at discovering cellular and molecular mechanisms involved in the development of the central nervous system and the role that these play in the etiology, course and treatment of disorders that affect the mental well-being or behavior of children.

Applicants should possess an M.D. or Ph.D. degree, or the equivalent, and have a record of nationally recognized research and accomplishment related to understanding the structure and function of the developing central nervous system and mechanisms that can cause these processes to go awry. They should also have demonstrable skill and experience as an independent investigator and a record of relevant publications and external grant support, as well as evidence of leadership, administration and teaching skills. A minimum of five years of experience at the rank of Assistant Professor or equivalent is required for appointment as Associate Professor.

Salary is negotiable, commensurate with experience. Interested individuals should forward a current CV and three letters of recommendation to: **Anthony Reading, M.D., Sc.D., Chair, Robert A. Silver Search Committee, 3515 E. Fletcher Avenue, Tampa, Florida 33613**. Inquiries may also be made by phone: (813) 974-3470, Fax: (813) 974-2478, or email: [areading@hsc.usf.edu](mailto:areading@hsc.usf.edu). Applications must be received by December 8, 2000. *USF is an EO/AA/EA institution. For disability accommodations contact M. Tavrell at (813) 974-4657 at least 5 working days in advance. According to Florida law, applications and meetings regarding them are open to the public.*

**University of  
South Florida  
USF**

# Life Made Better

*The members of the Bristol-Myers Squibb Pharmaceutical Research Institute share one goal—to discover and develop best-in-class, cost-effective medicines that enhance and extend human life.*

## Neuroscience Genitourinary Drug Discovery

**Ion Channel Pharmacologist:** BS/MS with 2-4 years experience in Pharmacology to support drug discovery programs by testing compounds in ion channel assays. Prior experience with assay testing, data analysis, & tissue culture is required. Experience with fluorescent technology and programming skills highly desirable. **Job Code: PRMA216SD**

## Microbiology - Infectious Diseases

**Associate Research Molecular Biologist/Biochemist:** BS/MS in Microbiology, Biochemistry and/or Molecular Biology with 2-4 years of laboratory research to develop novel antibacterial & antifungal targets & assay screens, & perform extensive in vitro evaluations of potential drug candidates in collaboration with screening and drug discovery efforts. Microbial physiology/biochemistry (bacterial and/or fungal) & molecular biology knowledge is desired. Familiarity with standard microbiological techniques, plasmid & strain construction, cloning & transformation, protein expression & purification & assay development experience are preferred. Fungal or bacterial genetics experience a plus. **Job Code: PRMA216JB1**

**Microbiologist:** Ph.D. in Microbiology, Biochemistry or Molecular Biology with 3 years of postdoctoral or industrial experience to identify novel antibacterial and antifungal compounds. Strong publication record, extensive laboratory expertise is desired; prior experience working with pathogenic bacteria and/or fungi is a plus. Computer skills are desirable. **Job Code: PRMA216JB2**

## Virology - Infectious Diseases

**Associate Research Molecular Virologist/Biochemist:** BS/MS with 2-4 years experience working in a research laboratory to design and conduct antiviral intervention assays and collaborate with other researcher in the discovery and development of novel antiviral agents. Prior experience working with viruses (including HIV) or experience in biochemistry and enzymology is preferred. Previous industry experience is desirable. **Job Code: PRMA216RC1**

**Biochemist/Molecular Virologist:** Ph.D. in Virology, Biochemistry or Molecular Biology with at least 3 years of postdoctoral or industrial experience to identify unique viral targets for antiviral intervention. Strong publication record, extensive laboratory expertise, and excellent problem-solving and interpersonal skills to work within an interactive drug discovery environment is required. Prior experience working with viruses (including HIV) is a plus. **Job Code: PRMA216RC2**

## Lead Discovery

**Miniaturization - Biologist/Instrumentation Specialist:** BS/MS with 5 years to evaluate and optimize a wide range of cutting-edge liquid dispensing and detection instruments and associated software to support an assay miniaturization HTS program. Experience with programming and use of liquid dispensing & microtiter-plate detection instruments is required; practical knowledge of enzymatic or receptor-binding assays in HTS environment is essential. High-throughput screening experience is desired; knowledge of 1536-well plate assays is preferred. Familiarity with database & visualization software is a plus. **Job Code: PRMA216FC**

**Receptor Biologist/Molecular Biologist:** Ph.D. with 1-3 years experience in assay design to design, execute and analyze high-throughput screens for GPCRs. Solid scientific background in the biology, pharmacology and signaling properties of G Protein-Coupled Receptors (GPCRs) is required; experience with ligand binding and/or signal transduction assays for GPCRs is essential. Familiarity with highly miniaturized and/or gene reporter-based assays a plus. **Job Code: PRMA216BS**

**Biochemist/Biologist:** BS/MS with 2-5 years experience to develop and implement new biochemical or cell-based profiling screens ensuring HTS compatibility. Experience with biochemical or cell-based high-throughput screening is required, along with knowledge of automated liquid handling and development of HT screens. Extensive understanding of pharmacological and biochemical data analysis is desired; familiarity with Web-based computer applications and Excel strongly preferred. **Job Code: PRMA216TZ**

Send resumes to:  
**Bristol-Myers Squibb  
Pharmaceutical Research Institute  
P.O. Box 5101, 5 Research Parkway  
Wallingford, CT 06492-7661  
Fax: (203) 677-7762**

*We use resume-scanning technology. Please submit on plain white bond paper using standard type and fonts (no italics, graphics or staples please).*



**Bristol-Myers Squibb**

**Pharmaceutical Research Institute**

**US Environmental Protection Agency  
Office of Research and Development  
Office of Science Policy**

EPA is seeking a highly qualified scientific leader for the position of Director, Office of Science Policy (OSP), Office of Research and Development (ORD), Washington, D.C. The successful candidate for this position will manage a broad spectrum of science and science policy issues with a focus on identification of an integrated ORD approach on same. The candidate will also lead both near- and long-term research planning efforts, and facilitate Agency decision-making by identifying and integrating scientific information to inform Agency regulatory and science policy products.

OSP is responsible for providing expert advice and evaluation on the use of scientific knowledge and science policy in Agency regulatory and other program decision-making. OSP is ORD's principal science policy support office with the lead for integrating diverse science and science policy positions into ORD and Agency products. OSP implements its activities through the office in EPA Headquarters, Washington, D.C.

To meet the requirements of this position, applicants must have a bachelor's degree (or higher - Ph.D. is preferred) in the area of environmental science (1301 series), biology (401 series), or environmental engineering (801 series). Preferred candidates would possess recognized scientific expertise as evidenced by work experience and/or invitations to participate in national and international meetings/panels. Candidates must also have competence and substantive specialized (scientific, administrative, policy or managerial) experience in a type of work or a combination of functions directly related to the position. In addition, applicants must meet and address the Executive Core Qualifications (ECQ's), the mandatory technical factors and the desirable factors described in the vacancy announcement for this position. Call or write to: **U.S. EPA, OARM/OHROS/SES Human Resources Staff (Mailcode - 3650), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460.** You can also request a copy of the vacancy by calling the SES Vacancy hotline number (202) 260-6374. Request announcement number EPA-01-SES-ORD-6202. You may download a full text announcement via Internet at [www.usajobs.opm.gov](http://www.usajobs.opm.gov).

U.S. Citizenship Required

Applications must be postmarked by the closing date December 1, 2000.  
*EPA is an Equal Opportunity Employer.*

**Faculty Position, Cell Biology**

As part of a new initiative in the Biological Sciences at the University of Maryland at College Park, the Department of Cell Biology and Molecular Genetics invites applications for a tenure-track faculty position in the area of Cell Biology. The rank for this appointment is open, with senior candidates expected to have achieved national and international stature. Applicants must have an earned doctorate degree in an appropriate area of Biology, relevant postdoctoral experience, evidence of significant research accomplishments, and a commitment to excellence in teaching. Salary is competitive and commensurate with experience. The successful applicant will be expected to direct a competitively funded research program that is focused on an important, fundamental problem in cell biology such as signal transduction, protein trafficking, cell proliferation, cytoskeletal organization, or cell-cell interactions. We are particularly interested in candidates whose approach includes functional genomic analyses. We have recently established a shared light microscopy facility for high-performance imaging with state-of-the-art instrumentation. There are multiple opportunities for research interaction and collaboration with faculty in the Department, across campus and at nearby federal research laboratories. On campus, we have strong and growing interdepartmental faculty groups in molecular and computational biology. College Park is the flagship campus of the University of Maryland System, and is located in the Baltimore-Washington DC corridor. All faculty members of the Department participate in the instructional programs at both the undergraduate and graduate levels. Additional information about the Department can be found at our web site: <http://www.life.umd.edu/CBMG>. Applications should be received by December 18, 2000 to receive full consideration, but the search will continue until the position is filled. Materials, including a letter of application, *curriculum vitae*, statements of research and teaching interests, and the names and addresses of four references, should be directed to:

**Dr. Stephen M. Wolniak, Chair  
Cell Biologist Search Committee  
Department of Cell Biology and Molecular Genetics  
HJ Patterson Hall  
University of Maryland  
College Park, MD 20742**

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

**Food and Drug Administration  
Director, Anti-Bioterrorism Programs**

The Food and Drug Administration (FDA) is seeking candidates for the position of the Director, Anti-Bioterrorism Programs. This position will be filled as either a Senior Executive Service, Senior Biomedical Research Service, Title 38 or 42 appointment, or Public Health Service Commissioned Corps position. The incumbent serves as primary advisor to the Commissioner, the Deputy Commissioner and the Senior Advisor for Science on anti-bioterrorism issues. Incumbent will articulate policy and serve as the lead contact for inter and intra Agency bioterrorism preparedness activities, and will coordinate activities across the Agency concerning the safety of foods, drugs, biologics (including vaccines), and medical devices. These activities include threat assessment, consultation with other agencies responding to an event, hazard detection and reduction, agent identification, epidemiological investigation, and consequence management, including public health support. The incumbent will develop and implement an Agency strategic plan for anti-bioterrorism programs including the identification and assessment of Agency training needs. The position is interdisciplinary so candidates may possess either an M.D. degree, J.D., or Ph.D. in biological, biomedical, physical, health or allied sciences and/or extensive senior executive level experience in those fields. The position is located in Rockville, MD. The salary range is from \$84,638 to negotiable. Further information regarding qualification requirements and procedures for applying for the position may be obtained from Ms. Arlene Karr at 301-827-4183 or from the Office of Personnel Management website at [www.usajobs.opm.gov](http://www.usajobs.opm.gov). Submit applications by December 15, 2000 to:

**Ms. Arlene Karr  
Office of Human Resources and Management Services  
Food and Drug Administration  
Room 7B-32, HFA-408  
Parklawn Building  
5600 Fishers Lane  
Rockville, MD 20857**

*The FDA is an equal opportunity employer and has a smoke free environment.*

**Food and Drug Administration  
Senior Advisor for Clinical Science**

The Food and Drug Administration (FDA) is seeking candidates for the position of the Senior Advisor for Clinical Science. This position will be filled as either a Senior Executive Service, Senior Biomedical Research Service, Title 38 or 42 appointment, or Commissioned Corps position. The incumbent serves as the primary advisor to the Commissioner, Deputy Commissioner, and Senior Advisor for Science on the development of an Office of Clinical Science. The incumbent will recommend policy related to the conduct of human clinical studies, including those that are submitted to FDA in support of product submission as well as human studies funded by and/or conducted by FDA employees. The incumbent will coordinate the Institutional Review Board (IRB) and other human subject protection activities across the Agency such as the development of IRB registry and certification and accreditation efforts, and other duties associated with clinical science and research. Candidates must have an M.D. degree from an approved medical school and experience with clinical trials, IRBs, or other human studies. The position is located in Rockville, MD. The salary range is from \$84,638 to negotiable. Further information regarding qualification requirements and procedures for applying for the position may be obtained from Ms. Arlene Karr at 301-827-4183 or from the Office of Personnel Management website at [www.usajobs.opm.gov](http://www.usajobs.opm.gov). Submit applications by December 15, 2000 to:

**Ms. Arlene Karr  
Office of Human Resources and Management Services  
Food and Drug Administration  
Room 7B-32, HFA-408  
Parklawn Building  
5600 Fishers Lane  
Rockville, MD 20857**

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**VETERINARY MEDICAL OFFICER/MICROBIOLOGIST/  
RESEARCH ANIMAL SCIENTIST  
USDA, Agricultural Research Service  
National Animal Disease Center - Ames, Iowa**

U.S. Department of Agriculture, Agricultural Research Service (ARS), Pre-Harvest Food Safety & Enteric Diseases is seeking two innovative, dynamic and experienced scientists. This unit conducts research in 4 areas: 1) prevention of losses from colibacillosis and *E coli* 0157:H7 in cattle and swine, 2) Ecology and epidemiology of *Salmonella* and other food-borne pathogens in livestock, 3) *Salmonella*-host interactions, and 4) Antibiotic resistance of enteric bacteria. The unit's research is multidisciplinary, with an increasing emphasis on new technologies.

**Supervisory Veterinary Medical Officer/Microbiologist/Research Animal Scientist** to plan, conduct, and report personal research; to guide research programs and supervise scientists within the laboratory; and to evaluate, review, and recommend or implement changes in the research programs. Requires knowledge of microbiology, molecular biology, epidemiology, and veterinary medicine and demonstrable research leadership and management skills. Salary range from \$70,457 to \$107,738 (GS-14/15). Announcement No. ARS-X0W-0434

**VMO/Microbiologist** to investigate studies concerned with: 1) the identification of stressors and environmental factors that affect shedding of *Salmonella* spp. in swine; 2) the identification of the porcine immune and neuroendocrine responses to *Salmonella* spp. challenge; 3) the effect of salmonellosis on regulation of gene expression in swine with particular interest in serotype specific differences; and 4) the molecular basis for virulence mechanisms associated with stress and/or salmonellosis in swine. Requires knowledge of microbiology, molecular biology, biochemistry, immunology, physiology and/or pathology. Salary range from \$50,139 to \$91,589 (GS-12/13/14). Announcement No. ARS-X0W-0435

U.S. citizenship is required. Applicants must meet basic education requirements as described in each announcement, plus directly related Ph.D. and/or professional research experience. Incumbents will be expected to publish and present research results. A comprehensive benefits package includes paid sick and annual leave, life and health insurance, federal retirement and a savings investment plan (401 K - type). For information on application procedures, contact **Janae Lentz** at 515-663-7277 or copy the full-text announcement from the ARS homepage at [www.ars.usda.gov](http://www.ars.usda.gov). For information on the research program and/or position, contact: **Dr. Keith Murray**, telephone 515-663-7201; email: [Kmurray@nadc.ars.usda.gov](mailto:Kmurray@nadc.ars.usda.gov). Applications must be postmarked by January 15, 2001.

*The U.S. Department of Agriculture (USDA) prohibits discrimination on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital and family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotope, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice or TDD).*

*To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202)720-5964 (voice or TDD). The USDA is an equal opportunity provider and employer.*



**Functional Genomics/  
Life Science Informatics**

**Sr. Scientist II/Lab Head  
Requisition #8432**

Novartis Pharmaceuticals Corporation, a Novartis Group company, has a growing Functional Genomics Department which is dedicated to the identification of novel human disease genes, and applying these discoveries for drug development and clinical utility. We are applying state-of-the-art techniques in an integrated approach, using high throughput gene expression analysis, novel antisense technologies, proteomics, transgenic mice and drosophila genetics, as well as more traditional molecular biology and biochemistry approaches.

Currently, we are seeking enthusiastic, creative individuals to join the Summit, New Jersey division of our Functional Genomics Department, with facilities in Basel, Switzerland as well.

The mission of our department is to work in concert with our therapeutic area drug discovery groups to identify new research opportunities, and to rapidly turn these gene-based discoveries into clinical benefit.

The Bioinformatics Sr. Scientist/Lab Heads will work with expert staff in both NJ and Switzerland, and will be responsible for the design and implementation of novel algorithms in the fields of functional analysis of genes, genome-wide gene discovery and large scale expression profiling utilizing large proprietary data sources.

Qualifications include a Ph.D. in either Informatics, Computational Biology, Molecular Biology or a related science. Incumbent must have a strong background in molecular biology and several years' experience in programming on Unix-platforms. Additional experience in Oracle, Web Software development or statistics is a plus. Excellent interpersonal skills, communication abilities and experience with multidisciplinary interactions in a team based setting are required.

We are dedicated to fostering a progressive environment that is open to new ideas. Our compensation package is designed to attract the industry's best. For confidential consideration, please email your resume/curriculum vitae, indicating requisition #8432 in the subject area and in the body of the email, in txt (.txt) format, to: [rd@recruitmentsolutions.com](mailto:rd@recruitmentsolutions.com) or FAX to: 800-343-8850, or mail to: Attn: Allison Medeiros, TMP Response Management, 297 North Street, One Financial Pl., Bldg #3-Suite #321, Hyannis, MA 02601.

We are an equal opportunity employer M/F/D/V. We appreciate your interest in our Company. Unfortunately, we will only be able to respond to those candidates chosen for interviews or additional follow-up.



## POSITIONS OPEN

**ANIMAL MOLECULAR BIOLOGIST:** A tenure-track **ASSISTANT PROFESSOR** position is available in biology at the University of Regina on July 1, 2001. We are seeking a qualified individual who uses molecular techniques to study animal systems. The successful candidate will have opportunities to interact with other individuals who use molecular techniques in their research fields. Candidates must have a recent Ph.D., postdoctoral experience, and a productive research record. The successful candidate will establish an externally funded research program, participate in the teaching of undergraduate and graduate courses, and develop an advanced undergraduate course in their area of expertise. Start-up research funds will be provided plus a reduced teaching load in the first two years. Application deadline is January 15, 2001. To find out more details about the position and application procedures, please go to **website:** <http://www.uregina.ca/science/biology>.

**BIOCHEMIST:** A tenure-track **ASSISTANT PROFESSOR** position is available in chemistry and biochemistry at the University of Regina on July 1, 2001. The Department has vibrant research programs in several areas of biochemistry: gene expression and regulation, nucleic acid metabolism, protein biochemistry and biophysics, and the mechanism of anticancer activity. The successful candidate will develop an independent, active, and externally funded research program in their area of specialization; teach at the undergraduate and graduate levels in their area of expertise and ancillary areas; and interact effectively with colleagues in chemistry, biochemistry, and biology. Applicants should have a Ph.D. degree and at least two years of postdoctoral research experience. Application deadline is January 15, 2001. To find out more details about the position and application procedures, please go to: **website:** <http://www.chem.uregina.ca>.

*The University of Regina is committed to Employment Equity. In accordance with Canadian immigration requirements, preference will be given to Canadian citizens and permanent residents.*

## ASSISTANT OR ASSOCIATE PROFESSOR

The Department of Veterinary Biosciences of the University of Illinois, College of Veterinary Medicine at Urbana/Champaign, invites applications for an Assistant or Associate Professor in veterinary biosciences as a full-time, nine-month tenure-track position. The successful candidate will teach nervous system morphology and physiology in the veterinary curriculum and will also participate in graduate instruction and develop an independent research program.

Candidates must possess the Ph.D. degree; prior experience teaching neurobiology is helpful. Candidates who have research experience in neurotoxicology or neuroendocrinology or who hold the D.V.M. or equivalent degree will be shown preference. The successful candidate will be expected to develop a research program which complements the research strengths of the Department in reproductive biology and environmental toxicology. These are mature programs now supported by a NIH training grant. Salary is commensurate with qualifications. Position to be filled on or after July 1, 2001, in time to prepare for fall classes.

Qualified applicants are invited to submit a letter of intent, professional résumé, and names and addresses of three references to:

**Dr. Kenneth Holmes**  
Chair, Neurobiology Search Committee  
Department of Veterinary Biosciences  
College of Veterinary Medicine  
University of Illinois  
2001 South Lincoln Avenue  
Urbana, IL 61802  
Telephone: 217-333-7578

In order to receive full consideration, applications should be received by January 1, 2001. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN



WWF

## SENIOR PROGRAM OFFICER CLIMATE CHANGE CAMPAIGN

For more than three decades, World Wildlife Fund (WWF) has led international efforts to save life on earth. Our work is driven by a passion for nature, grounded in science, and shaped by an understanding that addressing human needs is critical to successful long-term conservation. We seek a Senior Program Officer to ensure that WWF's Climate Change Campaign is actively engaged in the scientific climate change debate. The successful candidate will have state-of-the-art knowledge of climate science and biodiversity impacts, an understanding of ecosystem and biodiversity science, and will have coauthored academic papers. The ability to take complex scientific concepts and explain them to popular audiences and policy makers through writing and editing a variety of published materials is required. A Master's degree in a relevant field (biology, ecology, environmental science, environmental law, or atmospheric science) and strong oral, presentational, and written skills are essential.

Please send cover letter and résumé by **FAX** to: 202-293-9211 or by mail to: **World Wildlife Fund, Human Resources Department #20119W, 1250 24th Street, N.W., Washington, DC 20037. Website:** [www.worldwildlife.org](http://www.worldwildlife.org). No telephone inquiries, please. *Affirmative Action/Equal Opportunity Employer.*

The University of Texas Health Science Center at San Antonio (UTHSCSA) is seeking a candidate for a faculty position at the level of **ASSISTANT PROFESSOR** at the Division of Medical Oncology/Department of Medicine with an interest in pursuing an academic career in clinical and translational research in anticancer drug development. The prospective candidate must hold M.D. and Ph.D. degrees and must be specialized in medical oncology. Specific training in the various aspects of anticancer drug development such as clinical trials design and methodology, pharmacokinetics, and pharmacodynamic analysis and experience in studying biological correlative markers in clinical trials as well as translational research skills are prerequisites. A track record in peer-reviewed publications in these areas as well as demonstrated ability to obtain grant funding is critical. The successful candidate will be in charge of developing a program of translational studies in the context of early clinical trials with different anticancer agents. The UTHSCSA partners with the Cancer Therapy and Research Center in the San Antonio Cancer Institute (a National Cancer Institute-designated comprehensive cancer center) and has a strong, NCI-funded drug development program. The applicant must be eligible for medical licensure in Texas. Interested candidates should send curriculum vitae and the names and addresses of three references to: **Geoffrey Weiss, M.D., Division of Medicine/Medical Oncology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, MSC 7884, San Antonio, TX 78229-3900. The UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.**

## ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin August 2001. Ph.D. required; primary teaching responsibility environmental science courses, along with freshman biology courses. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising, committee work; expected to engage in research with undergraduates, to publish, and to seek extramural funding for one's research. Strong record of teaching excellence and scholarship desirable. Letter stating interests, complete résumé, transcripts, and three letters of reference due prior to December 1, 2000, to: **Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.**

## POSITIONS OPEN

## ASSISTANT PROFESSOR ANIMAL BIOLOGY

Saint Vincent College invites applications for a tenure-track Assistant Professor position in animal biology beginning fall 2001. Requirements include a Ph.D., a commitment to undergraduate education, and broad training in animal biology with emphasis in comparative anatomy or developmental biology. Postdoctoral or teaching experience preferred. Teaching responsibilities include team-taught general biology, upper-level courses for biology majors, and a course for nonscience majors. The successful candidate will supervise required senior research projects.

Saint Vincent College is a Catholic Benedictine liberal arts institution that serves 1,200 undergraduates. The Biology Department consists of five faculty and 100 students and emphasizes preparation for professional and graduate schools. Since 1992, *U.S. News and World Report* has ranked the College in its top tier of "Best Regional Liberal Arts Colleges in the North" and among the "Top Five Best Values" in the same category. For more information about the College, see our **website:** [www.stvincent.edu](http://www.stvincent.edu).

Please submit curriculum vitae; three letters of recommendation; undergraduate and graduate transcripts; and a statement of teaching philosophy and research interests by December 22, 2000, to:

**Director of Personnel  
Saint Vincent College  
300 Fraser Purchase Road  
Latrobe, PA 15650-2690**

*Saint Vincent College is an Equal Opportunity Employer.*

As part of a significant expansion in the Brain Sciences at Brown University, the Department of Neuroscience seeks applications for a tenure-track position in cellular and molecular neuroscience to be filled at the **ASSISTANT PROFESSOR** level. The Ph.D. or M.D. degree and at least two years of postdoctoral training in these areas are required. Special consideration will be given to those studying synapse formation or plasticity with (1) expertise in high-resolution biological imaging (e.g., 2-photon imaging) and/or (2) molecular genetic techniques. The successful candidate will participate in undergraduate and graduate programs in neuroscience. For more information about neuroscience at Brown and this search, go to **websites:** <http://neuroscience.brown.edu/> and <http://www.brainscience.brown.edu/>.

All applications received by December 15, 2000, will be given full consideration. Submit curriculum vitae, a set of representative reprints, a concise description of research interests and goals, and arrange for three letters of reference to be sent to:

**John P. Donoghue  
Department of Neuroscience  
Brown University  
Search Committee/S9  
Box 1953  
Providence, RI 02912**

*Brown University is an Affirmative Action/Equal Opportunity Employer.*

## FACULTY POSITION IN CELL BIOLOGY

Duquesne University is seeking an **ASSISTANT PROFESSOR**, tenure track, who investigates basic problems in cell biology. The successful applicant will receive a competitive start-up package and salary and is expected to establish a vigorous research program involving graduate and undergraduate students. Teaching will be in the area of cell biology. We are an interactive faculty, committed to combining externally funded research with excellence in teaching (see **website:** <http://www.science.duq.edu/biology>). To apply, send a cover letter, curriculum vitae, names and contact information of three references, and statements of research and teaching goals to: **Dr. John Stolz, Cell Biology Search Committee Chair, Department of Biological Sciences, Duquesne University, Pittsburgh, PA 15282.** Review of applications will begin December 11, 2000. *Duquesne University is an Equal Opportunity Employer. We strongly encourage applications from women and minorities.*

# Three Postdoctoral Fellowship Positions

**Three postdoctoral fellowship positions are available to study the Molecular Pathophysiology of Neuropsychiatric Disorders.** The focus of the Laboratory of Molecular Pathophysiology, National Institute of Mental Health is the investigation of disease- and medication-induced changes in gene and protein expression profiles which regulate neuroplasticity and cellular resilience. Projects will involve molecular, cellular and biochemical analyses of brain tissues from transgenic and knockout mice models of neuropsychiatric disorders, human brain tissue, and cell culture models.

**Genomics:** The successful candidate should have the primary research interests in molecular genetics of neuropsychiatric disorders, gene profiling of neuronal and glial cells, or neuro/bioinformatics, and should have demonstrated expertise in techniques such as DNA chip microarray, real-time PCR (or other similar methods) for data validation, and bioinformatics for data analysis. Experience in single cell mRNA amplification and laser capture microdissection methodologies is highly desirable.

**Proteomics:** The successful candidate should have primary research interests in the study of signaling networks in the CNS. Strong knowledge of protein chemistry and intracellular signaling and experience in methods to study protein function, interactions between signaling pathways, protein profiling (2D gel technologies and analytical chemistry), and bioinformatics are required.

**Transgenics and Knockouts:** The successful candidate should have primary research interests in the study of mouse models of neuropsychiatric disorders, and the development of novel treatment strategies. Experience in making of constructs, evaluating the constructs in vitro, generating and analyzing transgenic and knock-out mice, and mouse genetics is required. Experience in cell-type specific inducible transgenics and/or knockouts is desirable.

The successful candidate must have an M.D. and/or Ph.D. in Molecular Biology, Cell Biology, Neuroscience or related discipline, and less than five years of postdoctoral research experience. The positions are located within the NIMH Intramural Research Program, in Bethesda, MD, USA. Salary will commensurate with NIH guidelines and experience. Please send cv and names of three references by November 30, 2000 to:

**Husseini K. Manji, MD**  
Chief, Laboratory of Molecular Pathophysiology  
National Institutes of Health  
Bldg. 10, Rm. 4N-222  
9000 Rockville Pike  
Bethesda, MD 20892

NIH is an equal opportunity employer



University of California



**Lawrence Livermore  
National Laboratory**

*Science in the National Interest*

## Associate Director for Physics and Advanced Technologies (PAT)

The Lawrence Livermore National Laboratory, one of the nation's premier scientific research and development laboratories, is seeking an Associate Director to lead the Laboratory's newly formed Physics and Advanced Technologies Directorate. Will be responsible for leading, developing and managing an organization with a diverse portfolio of highly interdisciplinary research and technology development programs in basic and applied physical sciences research. This new organization was established in July, 2000 through the merger of the former Physics Directorate and elements of the former Laser Programs. Will manage a budget of approximately \$140M and a staff of about 400 employees. Core capabilities in the organization include high energy density experimental and computational plasma physics, nuclear and elementary particle physics, accelerator and beam physics and technology, medical physics and technology, optics and imaging, photonics, solid state physics, materials science and micro-technology, advanced sensing, astronomy and astrophysics, and communication and information processing.

The Associate Director will have nationally recognized research accomplishments in the physical sciences; broad and deep technical background in basic or applied physics research; experience in institutional-level program development and management of basic or applied physics research programs; demonstrated senior-level leadership and management skills; and knowledge of basic and applied physics research activities within the federal government, especially the Department of Energy complex and/or other federal, state, local and industrial organizations.

LLNL offers a challenging environment and competitive salary/ benefits package. Located in the scenic Livermore Valley, we are within easy driving distance to San Jose, San Francisco, and the surrounding Bay Area communities. To be considered, reference Dept. **AJSCB3000**. E-mail resume to **adpatc2@llnl.gov**, or mail resume to **Kristine Kansa, L-725, Recruiting and Employment, Lawrence Livermore National Laboratory, PO Box 5510, Livermore, CA 94551-5510**. US Citizenship is required. We are proud to be an equal opportunity employer with a commitment to workforce diversity.

For more information about the Physics and Advanced Technologies Directorate and this position, visit our web sites at:

**[www-pat.llnl.gov](http://www-pat.llnl.gov)**

**[www.llnl.gov/jobs](http://www.llnl.gov/jobs)**

## POSITIONS OPEN

### ASSISTANT PROFESSOR DEPARTMENT OF BIOLOGY

New Mexico State University invites applications for a tenure-track Assistant Professor to participate at all levels in the Department's activities, including our cell and organismal biology graduate program (**web-site:** <http://taipan.nmsu.edu/cellorg/cellorg1.html>). Applicants whose research incorporates animal models and integrates cellular and physiological approaches to address questions in systems or organ physiology, developmental biology, or neurobiology are encouraged to apply. The ideal applicant will have a Ph.D. or equivalent degree, minimum two years of postdoctoral training, research productivity commensurate with experience, and commitment to mentoring undergraduate and graduate students. The successful candidate will be expected to develop an independent research program and to teach physiology and/or cell biology courses at the undergraduate and graduate levels. The Department (**website:** <http://www.cs.nmsu.edu/biology/>) offers degrees through the Ph.D., and opportunities are available to participate in NIH research programs (MARC, RISE, SCORE, and Bridges). University resources include extensive modern electron microscopy and confocal imaging facilities. Applicants should submit the following nonreturnable materials: curriculum vitae, statements describing research and teaching interests, and three letters of reference to: **Dr. Elba E. Serrano, Cell and Organismal Search Committee Chair, Biology Department MSC 3AF, Box 30001, New Mexico State University, Las Cruces, NM 88003. Telephone: 505-646-3611; FAX: 505-646-5665.** Review of applications begins December 8, 2000, and continues until the position is filled. *NMSU is a Carnegie Doctoral/research-extensive institution and an Equal Employment Opportunity/Affirmative Action Employer.*

### DEVELOPMENTAL BIOLOGIST UNIVERSITY OF NEW MEXICO SCHOOL OF MEDICINE

The Department of Cell Biology and Physiology invites applications for a tenure-track position at the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. The successful applicant should have a research program that uses molecular approaches to examine problems in developmental biology relevant to the etiology of cancer. The UNM Health Sciences Center has enjoyed an unprecedented increase in funding over the past several years, enabling development of state-of-the-art research facilities and significant growth in the number and quality of research programs. Opportunities exist for collaborations with over 150 faculty in the School of Medicine, Cancer Center, College of Pharmacy, Department of Biology, and Sandia and Los Alamos National Laboratories. Qualified candidates must have an advanced degree (Ph.D., M.D., or equivalent), postdoctoral experience, and demonstrated excellence in research and education. For best consideration, applications must be received by December 31, 2000. Send curriculum vitae, a brief description of research and teaching interests, and the names and addresses of three references to: **Developmental Biology Search Committee, Department of Cell Biology and Physiology, University of New Mexico School of Medicine, BMSB, Room 149, Albuquerque, NM 87131.** *UNM is an Equal Opportunity/Affirmative Action Employer.*

**RESEARCH ASSISTANT or ASSOCIATE PROFESSOR** in the Department of Anesthesiology at the University of Illinois at Chicago. Nontenure-track position for Independent Investigator with research interests in anesthesiology or pain management. Candidates should be committed to excellence in research and training and have potential for substantial outside funding. Interested persons should address correspondence to: **Ronald F. Albrecht, M.D., Head, Department of Anesthesiology, University of Illinois at Chicago, 1740 West Taylor, m/c 515, Chicago, IL 60612. Attention: June Palmer, Ph.D.** Please include curriculum vitae, names of three references, and a brief description of research program. *Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN



### BOTANY/PLANT BIOLOGY OAKLAND UNIVERSITY BIOLOGICAL SCIENCES

Applications are invited for a tenure-track position in botany/plant biology at the **ASSISTANT PROFESSOR** level starting August 1, 2001.

Candidates must have a demonstrated record of excellence in research using molecular biology or other state-of-the-art techniques applied to areas such as molecular ecology, population biology, plant-animal interactions, genetics, etc. Start-up funds and laboratory space are available for establishing a vigorous research program. A Ph.D. and postdoctoral experience are required.

Oakland University is a state-supported institution of 15,000 students situated on a largely natural 1,400-acre campus 25 miles north of Detroit. The Department of Biological Sciences is a modern, well-equipped, and research-oriented department. The successful applicant will be expected to develop and maintain an independent research program. Teaching responsibilities will entail a course in botany with laboratory followed by an introductory course in alternate semesters. The selected candidate is expected to participate in the newly initiated Ph.D. program in biological communications and may participate in the Center for Biomedical Research.

Review of applications will begin on January 10, 2001, and continue until the position is filled. Applicants should submit curriculum vitae, statement of research plans and teaching philosophy, key reprints, and names of at least three references to:

**Search Committee  
Department of Biological Sciences  
Oakland University  
Rochester, MI 48309-4401**

*Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.*

### FACULTY POSITIONS IN PHYSIOLOGY AND BIOPHYSICS UNIVERSITY OF WASHINGTON

The Department of Physiology and Biophysics at the University of Washington announces a search for three new tenure-track faculty members. Individuals with a Ph.D. or M.D. and a strong record of research accomplishments are invited to apply. Appointment at the **ASSISTANT PROFESSOR** level is preferred but higher ranks will also be considered if appropriate. We seek individuals whose research interests complement and enhance the scientific strengths of the Department. For one position, preference will be given to candidates whose research applies molecular and/or genetic approaches to the study of vascular/cardiovascular physiology. New faculty will be expected to establish vigorous research programs and participate in teaching of graduate and professional students. For information about the Department, see our **website:** <http://depts.washington.edu/pbiopage>.

Electronic submission of applications to **e-mail: pbsearch@u.washington.edu** is strongly encouraged. Submit curriculum vitae and a description of research accomplishments and plans and arrange to have three letters of reference sent to: **Stanley C. Froehner, Chair, Department of Physiology and Biophysics, University of Washington, Box 357290, Seattle, WA 98195-7290.**

*The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. The University of Washington is an Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES YALE UNIVERSITY

As part of its Global Institute for Sustainable Forest Management, the School seeks to fill a **JUNIOR or SENIOR FACULTY POSITION** in the area of institutional arrangements to achieve sustainable forest management. The individual will lead an effort at the School that combines scholarship relevant to certification of forest products and practices, practical preparation for fieldwork to foster sustainability, and outreach to the various stakeholder communities. The individual should be experienced in the policies, practices, and institutions affecting sustainable forest management at the international as well as the national and local levels. Expertise in the application of the product certification, green labeling approach more broadly beyond forest products is highly desirable. The incumbent will be expected to develop and teach one or more graduate courses in the general area of sustainability, forest certification, and green labeling. The individual will be expected to pursue original research and to become involved with interdisciplinary research teams both within and outside the School.

Applicants should send by 1 December 2000 their curriculum vitae, a statement of their research and teaching interests, a list of three references, and representative examples of their publications to: **Sustainable Forestry Position, Yale University, School of Forestry and Environmental Studies, 205 Prospect Street, New Haven, CT 06511 U.S.A.** Additional information on this position may be obtained by contacting: **Dr. Timothy G. Gregoire, 360 Prospect Street, New Haven, CT 06511-2189 U.S.A. Telephone: 203-432-9398; FAX: 203-432-3809; e-mail: timothy.gregoire@yale.edu.**

*Yale University is an Equal Opportunity/Affirmative Action Employer. Members of minority groups and women are encouraged to apply.*

State University of New York at Binghamton. The Department of Psychology is seeking to hire one or two **FACULTY MEMBERS** in behavioral neuroscience (ranks open) to begin fall 2001. Our behavioral neuroscience program (**website:** <http://psychology.binghamton.edu/bns/index.html>) has a strong research emphasis with particular strengths in the areas of development, drugs of abuse, learning, and memory. Preference will be given to applicants whose areas of specialization complement and enhance these strengths. Applicants should have an exceptionally strong record of research and be committed to the training of graduate and undergraduate students. Send curriculum vitae, reprints, and three letters of recommendation to: **Robert L. Isaacson, Ph.D., Chair, Behavioral Neuroscience Search Committee, Department of Psychology, Binghamton University (SUNY), P.O. Box 6000, Binghamton, NY 13902-6000.** In addition, letters and other documents may be sent to the Search Committee at **e-mail: nb\_search@binghamton.edu**. Applications will be evaluated upon receipt, and the search will continue until a candidate is selected. *Binghamton University is an Affirmative Action/Equal Opportunity Employer.*

**BIOLOGY POSITION.** The Department of Biology, University of Tampa, invites applications for a two-year appointment beginning in late August 2001 to teach introductory biology for majors, biological science and marine biology for nonmajors, and possibly an upper-level course in the Department. The position will be reevaluated prior to the end of the two-year term and may be renewed or converted to tenure track pending administrative approval. Review of applications will begin in January of 2001. Additional information about the University, the Department of Biology, and the application procedure can be found at **website: www.utampa.edu** (directory/employment). Please address all correspondence to: **Biology Search (Biological Science/Marine Biology), c/o Office of Human Resources, The University of Tampa, 401 West Kennedy Boulevard, Tampa, FL 33606-1490.** *The University of Tampa is an Equal Opportunity/Affirmative Action Employer and welcomes the applications of minorities and women.*

# Two Postdoctoral Fellowship Positions

**T**wo Postdoctoral positions are available in molecular and cellular neuroscience. The focus of the Laboratory of Molecular Pathophysiology, National Institute of Mental Health is the investigation of disease- and medication-induced changes regulating neuroplasticity and cellular resilience. Projects will involve morphometric and histochemical analyses of brain tissue from transgenic and knockout mice models of neuropsychiatric disorders, human brain tissue and cell culture models.

The successful candidate should have research interests in the study of factors regulating CNS plasticity, and strategies to attenuate and/or reverse disease-related cell death and atrophy. Experience in neuroanatomical methods including immunocytochemistry, in situ hybridization, and light-, fluorescence-, and confocal microscopy is required. Experience in 3-D reconstruction and unbiased stereological cell counting, or experience with primary neuronal cultures, gene transfection, generation of fusion protein constructs and gene tracking (as with GFP constructs) are highly desirable.

Candidates should have a Ph.D. in neurobiology, developmental biology, neuroanatomy or related discipline, and less than five years of postdoctoral research experience. The positions are located within the NIMH Intramural Research Program, in Bethesda, MD, USA. Salary will be commensurate with NIH guidelines and experience. Please send c.v. and names of three references by November 30, 2000 to:

**Husseini K. Manji, MD**  
**Chief, Laboratory of Molecular Pathophysiology**  
National Institutes of Health  
Bldg. 10, Rm. 4N-222  
9000 Rockville Pike  
Bethesda, MD 20892

NIH is an equal opportunity employer



## HARVARD MEDICAL SCHOOL Associate Dean for Research Compliance

Reporting through the Executive Dean for Administration to the Dean of the Faculty of Medicine, this position is responsible for the design, implementation, monitoring and communication of a highly visible and effective compliance program for academic medical research. This program depends upon the Associate Dean's ability to conduct strategic risk assessment, develop both plan and policy, define the intersection of principals' roles and responsibilities, design training and education in continuum, create effective monitoring mechanisms and reports, and create spheres of influence among a diverse group of research principals.

Required are at least seven years' experience in a large and complex research environment (preferably academic), and an advanced degree in biomedical science, finance/business, law, cost accounting or public policy. The ideal candidate must be fair and ethical. This position requires the skill of a concentrated listener and communicator, with a collaborative nature and demonstrated experience in facilitating cooperation among constituents with disparate points of view and divergent interests. Complex problem-solving and customer service orientation are key, as are organizational and analytic abilities. Thorough knowledge and understanding of federal regulations relating to sponsored research administration is critical, and some training experience is desired. Req. # 7806.

For more information on careers or to apply on-line, visit [www.hr.harvard.edu/employment](http://www.hr.harvard.edu/employment) or send/fax your resume and cover letter to: Harvard University, Resume Processing Center, 11 Holyoke Street, Cambridge, MA 02138. Fax: (617) 495-4748. Please indicate requisition number. At Harvard University, diversity is an essential source of vitality and strength.

## nature immunology

seeks an ASSISTANT EDITOR

*Nature Immunology* is an international monthly journal covering all aspects of immunology. This exciting new *Nature* monthly seeks an additional Assistant Editor to help with all aspects of the journal. The Assistant Editor will work with the *Nature Immunology* team to select manuscripts; commission Reviews, Commentaries and News & Views; edit and write. Maintaining close ties with the immunology community is essential to the position, providing opportunities for travel to universities and international meetings and conferences. Applicants should have a Ph.D. and a strong research background in immunology, a broad understanding and interest in the field, excellent literary skills and an enthusiasm for and commitment to the communication of science.

Based in our established central New York City office, the *Nature Immunology* team is part of a dynamic editorial and publishing environment that includes *Nature Genetics*, *Nature Structural Biology*, *Nature Medicine*, *Nature Biotechnology* and *Nature Neuroscience*. The successful applicant will also enjoy a close working relationship with the London-based *Nature* and *Nature Cell Biology* teams.

To apply, please submit a CV, a short (700–900 words) News & Views-style article on an exciting and newsworthy recent development in any area of immunology and a short cover letter explaining your interest in the post to Dr. Linda J. Miller, Editor, *Nature Immunology*, Nature America, 345 Park Avenue South, New York, NY 10010 (fax 212.696.9594; email [admin@natureny.com](mailto:admin@natureny.com)) to arrive as soon as possible and not later than 1 December 2000.

## POSITIONS OPEN

### ASSISTANT PROFESSOR, TENURE-TRACK KEENE STATE COLLEGE

The Department of Biology at Keene State College invites applications for a tenure-track position at the Assistant Professor level beginning fall 2001.

**Developmental biology:** The ideal candidate can teach undergraduate courses in developmental biology, cell biology, and introductory and nonmajors biology and supervise undergraduate research; has an integrated biological perspective and a good general knowledge of biology; and has a strong commitment to undergraduate teaching and to liberal arts education. **Qualifications:** Ph.D. in biology, developmental biology, or related discipline; some undergraduate teaching experience required. Preference will be given to candidates with a broad background in developmental biology, including classical embryology and morphogenetic analysis, as well as modern molecular approaches to epigenetic control mechanisms. Knowledge of a specific group of organisms desirable. Minimum salary for Assistant Professor is \$39,510.

Keene State College is a public liberal arts college of the University System of New Hampshire with an enrollment of 5,000 students. The College has been recognized as a leader in American higher education for its commitment to its mission, broad-based strategic planning initiatives, and cohesive sense of community. The College is located in the scenic Monadnock region of southwest New Hampshire near experimental forests and national forests, with easy access (two hours) to Boston, Massachusetts, Hartford, Connecticut, and Albany, New York. The Biology Department prides itself on its strong curriculum and vigorous commitment to undergraduate education. To learn more about Keene State College, the University System of New Hampshire, and the Keene Community, visit these **websites:** [www.keene.edu/](http://www.keene.edu/) or [www.keenesentinel.com/toplist.shtml](http://www.keenesentinel.com/toplist.shtml). Keene State College is a member of the Council of Public Liberal Arts Colleges, a national alliance of leading liberal arts colleges in the public sector.

Submit letter of application, curriculum vitae, clear description of undergraduate teaching experience, statement of teaching philosophy/methods, statement of research interests, and three letters of reference (addressing candidate's undergraduate teaching experience) by December 15, 2000, to: **Developmental Biology Search, Department Sci113, Office of Human Resource Management, Keene State College, 229 Main Street, Keene, NH 03435-1604.**

*As an Affirmative Action/Equal Employment Opportunity Employer, we actively seek women and minority candidates.*

**ASSISTANT PROFESSOR** of microbiology: Applications are invited for an entry-level, tenure-track appointment in the Department of Biological Sciences at Towson University. Teaching responsibilities include microbiology and graduate/undergraduate courses in the candidate's area of expertise. Preference will be given to candidates with expertise in virology. The successful candidate will be expected to establish a research program that uses molecular approaches, that involves undergraduate and graduate students and that will be competitive for extramural funding. A Ph.D. is required; postdoctoral experience is preferred. A completed application should include curriculum vitae, transcripts from all institutions attended, one-page statements on teaching philosophy and research interests, and three letters of reference. Review of applications will begin January 10, 2001. The Department has 31 full-time faculty, approximately 600 undergraduate majors, and an M.S. program with about 60 students. Salary is competitive with similar institutions. Visit the Department's **website:** [www.towson.edu/biology](http://www.towson.edu/biology). Completed applications should be sent to: **Dr. Brian Masters, Chair, Microbiology Search Committee, Department of Biological Sciences, Towson University, 8000 York Road, Towson, MD 21252.** *Towson University is an Equal Opportunity/Affirmative Action Employer and has a strong institutional commitment to diversity. Women, minorities, persons with disabilities, and veterans are encouraged to apply.*

## POSITIONS OPEN



### TENURE-TRACK POSITION SPINAL CORD AND BRAIN INJURY RESEARCH

The Spinal Cord and Brain Injury Research Center at the University of Kentucky College of Medicine invites applications for a tenure-track position at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR**. The possibility of an Endowed Chair position exists. Applicants should have a M.D. and/or Ph.D. and postdoctoral research experience in neuroscience or a related discipline. Areas of particular interest include axon guidance, CNS regeneration, neural plasticity, neural precursor cells, neural tissue engineering, and neurotrophins. Additional new faculty will be actively recruited in these areas over the new few years, and successful applicants will be expected to join a growing interdisciplinary team interested in spinal cord and head injury research. The successful applicant will have an appointment in a basic science or clinical department in the College of Medicine. Physician-scientists are encouraged to apply. Applications should include curriculum vitae, statement of research interests and future directions, and the names and addresses of at least three references.

Applications should be sent to: **James W. Geddes, Ph.D., Director, Spinal Cord and Brain Injury Research Center, Sanders-Brown Building, University of Kentucky, Lexington, KY 40536-0230. Telephone: 606-257-1412, extension 254; FAX: 606-323-2866; e-mail: jgeddes@uky.edu.**

*The University of Kentucky is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

### ASSISTANT PROFESSOR SCIENCE, TECHNOLOGY, AND INTERNATIONAL AFFAIRS Georgetown University

Georgetown University's Edmund A. Walsh School of Foreign Service seeks to appoint an **ASSISTANT PROFESSOR** (tenure track) in its program in Science, Technology, and International Affairs (STIA). Candidates who specialize in the study of policy related to information and communications technology are especially encouraged to apply, although candidates in all subfields will be considered. For information on the STIA program, see **website:** [www.georgetown.edu/sfs/programs/stia](http://www.georgetown.edu/sfs/programs/stia).

Application materials, including a letter of application; curriculum vitae; and three letters of reference may be sent to: **Dr. Peter Dunkley, Associate Dean, School of Foreign Service, Georgetown University, Washington, DC 20057.** The committee will begin considering applications on December 15, 2000, and continue to receive applications until the position is filled. *Georgetown University is an Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR, IN-LINE SERIES COLLEGE OF MEDICINE Department of Psychiatry and Human Behavior University of California, Irvine

The University of California, Irvine, College of Medicine is recruiting an **ASSISTANT/ASSOCIATE PROFESSOR** for a state-funded full-time equivalency position. Requirements include eligibility for licensure in the State of California, certification by the American Board of Psychiatry and Neurology, Fellowship training in neuropsychiatry, and a history of success in securing federal research funding. Interest and experience in research on neuropsychiatric diseases based on environmental interactions is desirable. Candidates should supply curriculum vitae to: **William Bunney, Jr., M.D., Distinguished Professor and Co-Chair, c/o Cheri Tomcheck, University of California, Irvine, College of Medicine, Department of Psychiatry, Irvine, CA 92697-1675.** *The University of California is an Equal Opportunity Employer committed to excellence through diversity.*

## POSITIONS OPEN

### ASSOCIATE OR FULL RESEARCH PROFESSOR

**International Arctic Research Center  
University of Alaska  
Marine Biogeochemistry  
International Arctic Research Center (IARC)  
Fairbanks, Alaska**

The Frontier Group of the International Arctic Research Center (IARC) at the University of Alaska Fairbanks invites applications for a Research Faculty position (12-month) at the Associate or Full Professor level in the area of marine biogeochemistry. Applicants with expertise in trace substance analysis and/or isotope methodology are encouraged to apply. Experience in relating analytical data to ecological problems and simulation modeling is especially being sought. The successful applicant will also be lead coordinator of the multidisciplinary section (consisting of seven Scientists) within the Frontier Group and will be encouraged to work with Scientists at the UAF Institute of Marine Science and Geophysical Institute who have expertise in various arctic geophysical processes (see **websites:** [www.frontier.iarc.uaf.edu](http://www.frontier.iarc.uaf.edu); [8080.ims.alaska.edu](http://8080.ims.alaska.edu); and [www.gi.alaska.edu](http://www.gi.alaska.edu)) and is expected to have a Doctorate in biology, chemistry, or marine science or closely related fields by the time of appointment.

This position is term-funded with an expected duration of five to seven years. Renewal in the second phase of the project is possible.

For purposes of collective bargaining, this position is represented by a union. The successful candidate will be obligated to pay an agency fee to the union as a condition of employment.

Please send a University of Alaska application, letter of application, curriculum vitae, and a statement of research interests and experience to: **Ms. Deon Mac-Millan, Human Resource Manager, Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320 (903 Koyukuk Drive), Fairbanks, AK 99775-7220 U.S.A. Telephone: +1-907-474-6010; FAX: 907-474-7395; e-mail: [deon@gi.alaska.edu](mailto:deon@gi.alaska.edu).** Please include names and addresses of at least three persons who will be able to provide letters of recommendation. The UA application and full vacancy announcement can be downloaded at **website:** [http://www.gi.alaska.edu/admin/human\\_resources](http://www.gi.alaska.edu/admin/human_resources). Open until filled. Review of applications to begin January 15, 2001.

*The University of Alaska Fairbanks is an Equal Opportunity/Affirmative Action Employer and Educational Institution. Your application for employment with the University of Alaska is subject to public disclosure under the Alaska Public Records Act.*

University of Pittsburgh, Center for Computational Biology and Bioinformatics. **RESEARCH ASSOCIATE** in the Department of Molecular Genetics and Biochemistry at the University of Pittsburgh, School of Medicine, Center for Computational Biology and Bioinformatics. Qualified candidates should possess a Ph.D. in biology, chemistry, physics, computer science, or engineering. Preference will be given to those with a multidisciplinary background and experience in computational approaches in molecular biology, statistical mechanics of macromolecules, or bioinformatics. Research subjects include biomolecular modeling and simulations; sequence-structure-function prediction, design, and control; development of analytical approaches to address complex biological problems; characterization of metabolic pathways, collective dynamics, and regulatory mechanisms of assemblies; high-throughput analysis of databases for biomedical and pharmaceutical purposes; and computational genomics/proteomics.

The appointments will start March 1, 2001, and will be for one to three years, with a starting salary of \$30,000 to \$34,000 depending on experience. Please send curriculum vitae, description of research experience, and names of references to: **Dr. Ivet Bahar; e-mail: [bahar@prc.bme.boun.edu.tr](mailto:bahar@prc.bme.boun.edu.tr); website: <http://klee.bme.boun.edu.tr/bahar.html#2000>.**

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



**UNIVERSITY OF MINNESOTA**  
**Tenure-Track Assistant Professor**  
**Department of Neuroscience**

The Department of Neuroscience at the UNIVERSITY OF MINNESOTA - Twin Cities is seeking faculty members to strengthen its existing programs in cellular and molecular neuroscience. The opportunity to add faculty resulted from a state-supported initiative to strengthen the University's research enterprise in cellular and molecular biology. Cellular and molecular neuroscientists working in signal transduction, control of transcription, protein targeting, neurodevelopment, and cell-cell communication are encouraged to apply. The initiative includes construction of a state of the art research building scheduled for completion next year which will house the new hires. This initiative has made it possible to offer an exceptional compensation and startup package. The ideal candidate will complement current departmental strengths in cellular, molecular, developmental, and systems neuroscience. The starting date is Fall, 2001.

The Neuroscience Department was established one year ago. It includes 25 faculty members, three of whom are new this year. The department is part of a larger community of neuroscientists on campus that includes over 80 laboratories as well as the Graduate Program in Neuroscience. See [www.neurosci.umn.edu](http://www.neurosci.umn.edu) and [www.neuroscience.umn.edu](http://www.neuroscience.umn.edu).

Applicants must have a Ph.D. and/or M.D. degree. Desired experience includes at least two years of postdoctoral or equivalent experience and a strong publication record. The successful candidate must be able to secure permanent resident status or be a U.S. citizen and will be expected to develop a vigorous, independent research program that will lead to external funding. Teaching of undergraduate, graduate, and/or professional students will be expected. Please send a curriculum vitae, a statement of research interests, and three letters of recommendation that consider both research and teaching potential to:

Cellular and Molecular Neuroscience Search Committee  
Department of Neuroscience, University of Minnesota  
6-145 Jackson Hall, 321 Church Street, S.E.  
Minneapolis, MN 55455 USA  
or [hendr056@tc.umn.edu](mailto:hendr056@tc.umn.edu)

Electronic versions of the required information may be e-mailed  
but must be followed with a hard-copy for the official search files.

Review of applications will continue until the position is filled.

*The University of Minnesota is an equal opportunity educator and employer.*



**ASSISTANT PROFESSOR IN**  
**BEHAVIORAL NEUROGENETICS**

The UNIVERSITY OF MINNESOTA - Twin Cities seeks outstanding candidates for a joint faculty position in Neurogenetic Approaches to Behavior shared between the Department of Psychology in the College of Liberal Arts and the Institute of Human Genetics and the Department of Neuroscience in the Academic Health Center. This appointment will be made at the tenure-track Assistant Professor level. Decisions about the tenure home for this position will be determined by a candidate's qualifications and departmental fit. Essential qualifications are a PhD in psychology, neuroscience, genetics or related field, by August 27, 2001, the potential for carrying out outstanding interdisciplinary research, and a commitment to teaching; postdoctoral experience is preferred.

The successful applicant will be expected to carry on an active program of research and scholarship, and contribute to the education and training of graduate and undergraduate students in the Departments of Psychology and Neuroscience. The applicant's research should involve neurogenetic approaches to behavior. We are especially interested in individuals who are studying complex behavioral systems using modern molecular, cellular or genetic methods. These systems may include learning and memory, psychopathology, or emotion. Preference will be given to candidates who bridge interests of existing faculty in the Departments of Psychology and Neuroscience and the Institute of Human Genetics. Teaching responsibilities will include contributions at the undergraduate, graduate and professional levels in the Departments of Psychology and Neuroscience. The applicant selected to fill this position will also be expected to contribute to the service needs of the relevant departments, colleges, and University. Standard teaching and service duties will be divided among the sponsoring departments. Beginning date for this full-time academic faculty position is August 27, 2001. Salary is competitive and will depend on the candidate's qualifications and experience.

This position announcement is available at <http://www.psych.umn.edu> or <http://www.neurosci.umn.edu>. Information about the departments, facilities, and faculty can also be obtained at these web sites. Interested candidates should submit a curriculum vitae, a 500-word statement of research and teaching interests, selected reprints and preprints, and three letters of evaluation to:

Chair, Behavioral Neurogenetics Search Committee  
Department of Neuroscience, University of Minnesota  
6-145 Jackson Hall, 321 Church Street S.E.,  
Minneapolis, Minnesota 55455 USA  
or [werrb001@tc.umn.edu](mailto:werrb001@tc.umn.edu)

Review of applications will continue until the position is filled.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.



## POSITIONS OPEN

### EUKARYOTIC CELL BIOLOGIST

Tenure-track **ASSISTANT PROFESSOR**, Ph.D. in cell biology or a closely related discipline in biology completed by 20 August 2001. Graduate coursework/background in eukaryotic cell biology and molecular biology/biochemistry and research utilizing molecular approaches to answer fundamental questions in eukaryotic cell biology required. A strong commitment to college teaching also required. Preference given to applicants with broad training in biology. Prior teaching at the college level and experience working with diverse groups desirable. Duties: teaching upper-division and graduate courses in cell biology/physiology and introductory courses in biology, engaging in scholarly activities, supervising undergraduate and M.S. student research, developing new courses, advising, serving on committees, and engaging in community service. Submit curriculum vitae, all transcripts, names and telephone numbers of three references, statements of teaching and scholarly interests, and arrange to have three letters of recommendation sent to: **Laurel Heffernan, Chair, Biological Sciences, California State University, Sacramento, CA 95819-6077**. CSUS Employment website: <http://www.csus.edu/fas/nsmvac/htm>. Applications must be postmarked by January 5, 2001. *Affirmative Action/Equal Employment Opportunity.*

The five-member Biology Department of Coe College seeks a broadly trained **MOLECULAR GENETICIST** to teach genetics (molecules to populations), the first-semester introductory course cellular and molecular biology, an upper-level molecular biology class, and other courses that he/she will develop. Applicants should work with eukaryotes. Ph.D. required. Successful teaching experience, aptitude and capacity for excellent teaching, and the ability and desire to supervise undergraduate research are important. Coe College, a highly selective undergraduate liberal arts college (1,300 students), is located in a progressive eastern Iowa metropolitan area of 175,000. The area offers the usual range of urban amenities and includes a thriving symphony and art museum. The University of Iowa and Iowa City are half an hour away, and the city is located roughly midway between the Midwest's largest urban centers, easily accessible via the regional airport 10 minutes from campus. Submit current curriculum vitae; three letters of reference; and cover letter outlining teaching and research plans by January 3, 2001, to: **Dr. Laura Skandera Trombley, Vice President for Academic Affairs and Dean of the Faculty, Biology Search, Coe College, Cedar Rapids, IA 52402**. *Affirmative Action/Equal Opportunity Institution.*

UCLA Department of Medicine, Division of Rheumatology, has an open position for a full-time **ADJUNCT ASSISTANT PROFESSOR** of medicine to conduct a research program in immunologic tolerance, molecular immunology, and/or cellular immunology in the laboratory of **Bevra H. Hahn, M.D.** Requires M.D. or Ph.D. with appropriate training in immunology and relevant basic research methods. Will be member of prestigious 16 M.D./three Ph.D. full-time rheumatology faculty at UCLA. Candidates should submit curriculum vitae to: **Dr. Bevra Hahn, Chief, UCLA Rheumatology, 1000 Veteran Avenue, Room 32-59, Los Angeles, CA 90095-1670** or electronically to **Weiling Chen** at e-mail: [wchen@mednet.ucla.edu](mailto:wchen@mednet.ucla.edu). UCLA is an Affirmative Action/Equal Opportunity Employer.

**DIRECTOR, CARDIOVASCULAR RESEARCH:** Academic division of cardiovascular medicine with growing research program is recruiting a Director of Research; either M.D., Ph.D., or M.D./Ph.D. is eligible. Interested individuals should have documented independent research activity and funding and be willing to assist junior faculty with the development and implementation of research projects. Interested individuals should contact: **Joel M. Gore, M.D., Director, Division of Cardiovascular Medicine, UMass Memorial Health Care, 55 Lake Avenue North, Worcester, MA 01655**. Telephone: 508-856-3871; FAX: 508-856-4571. UMass Memorial Health Care is an Equal Opportunity Employer.

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION INVERTEBRATE ECOLOGY

Truman State University invites applications for a tenure-track **ASSISTANT PROFESSOR** starting August 2001. Teaching and research are mutually supportive activities at Truman; candidates should be strongly committed both to teaching and to developing an active research program involving undergraduates and M.S. students. A research laboratory and start-up funds will be provided.

The successful candidate will participate in junior-level ecology introductory biology courses for majors and/or nonmajors and an upper-level course in his/her area of expertise. Candidates who incorporate quantitative approaches and/or field studies in their research are encouraged to apply; those who emphasize behavior and interactions between invertebrates and other organisms are especially desired.

Truman has been ranked as the number one public university in the midwest by *U.S. News and World Report* and is Missouri's only statewide, highly selective public liberal arts and sciences university. We are nationally recognized for our innovative assessment program and commitment to a broad-based liberal arts and sciences education. Students benefit from a universitywide 16:1 student/faculty ratio and opportunities to work closely with faculty conducting research. For more information about the University and the biology program, visit our website: <http://www.truman.edu/academics/sc/biopiage.html>.

Candidates must possess a Ph.D. or must have a targeted completion date of August 2001. Complete applications include curriculum vitae, statements of teaching philosophy and research goals, copies of all graduate and undergraduate transcripts, and three recent letters of reference. All application materials should be sent to: **Dr. Jose Herrera, Search Chair, Division of Science, Truman State University, Kirksville, MO 63501-4221**. Review of complete applications will begin 27 November 2000. Truman is an Affirmative Action/Equal Employment Opportunity Employer committed to cultural diversity and compliance with the Americans With Disabilities Act.

The University of Nebraska has initiated a significant effort in genomics and bioinformatics with several new positions in functional genomics, structural biology, and computational biology. We seek to fill two new tenure-track positions in bioinformatics, with successful candidates provided the opportunity to select from one of several home departments on campus including Computer Science and Engineering, Biological Sciences, Mathematics, or Biochemistry. The positions are available at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level and will be provided generous start-up support. Excellent opportunities exist for interaction with faculty in several different departments including Computer Science and Engineering, Chemistry, Biological Sciences, Food Sciences, and the Medical Center, and excellent research opportunities are available utilizing new microarray and proteomics core support facilities. Candidates will have access to the research computing facility with a 32-processor SGI system, Beowulf clusters, and Internet2. We seek candidates with expertise in data mining, machine learning, algorithm design and analysis, or protein modeling and addressing questions of relevance to genome structure and organization, gene expression, analysis, classification, evolution, predictive protein modeling, or bioinformatics.

Interested individuals should submit a résumé, names of three references, and statement of research and teaching interests to: **Bioinformatics Search, Center for Biotechnology, N300 Beadle Center for Genetics Research, University of Nebraska, Lincoln, NE 68588-0663**. Applications will be accepted until January 3, 2001, or until a suitable candidate is identified for both positions.

University of Nebraska is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual-career couples. We assure reasonable accommodation under the Americans With Disabilities Act; Contact: **Dr. Mackenzie** at Telephone: 402-472-6997 for additional information.

## POSITIONS OPEN

### ASSISTANT PROFESSOR BIOINFORMATICS/FUNCTIONAL GENOMICS

**University Of California, Santa Barbara  
Department of Molecular, Cellular, and  
Developmental Biology (MCDB) and the  
Interdepartmental Biochemistry and Molecular  
Biology Program (BMB)**

Applications are invited for a tenure-track faculty position in our expanding research programs in molecular biology and biochemistry. We seek candidates studying the genomes of prokaryotic or eukaryotic organisms who use bioinformatics as a major tool in their research programs. Candidates with interdisciplinary research interests that complement existing strengths in microbiology or developmental biology are especially encouraged to apply. This position is to be filled at the **ASSISTANT PROFESSOR** level jointly with the Department of Molecular, Cellular, and Developmental Biology and the Interdepartmental Biochemistry and Molecular Biology graduate program. The Ph.D. degree plus relevant postdoctoral research experience is required. The appointee will be expected to lead a vigorous independent research program and to participate effectively in undergraduate and graduate instructional activities. Submit curriculum vitae, selected reprints, a brief description of previous and anticipated research, and arrange to have at least three letters of reference sent to: **Bioinformatics Search Committee, MCD Biology Department, University of California, Santa Barbara, Santa Barbara, CA 93106**. Website: <http://www.lifesci.ucsb.edu/employment/>.

Review of applications will begin December 1, 2000, and will continue until the position is filled.

UCSB is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT PROFESSOR INVERTEBRATE BIOLOGIST

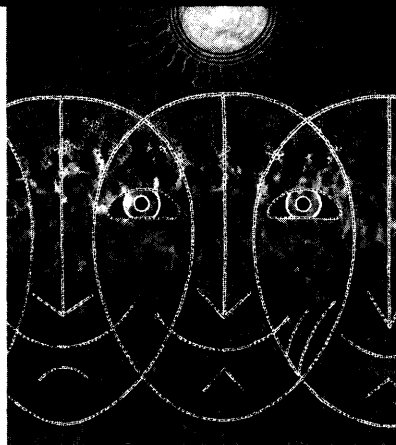
The Biology Program at Wilkes University invites applications for a tenure-track position in invertebrate biology starting August 2001. We seek an individual with a physiology background who is dedicated to innovative teaching in an undergraduate setting. Responsibilities will include participation in the cell/molecular biology semester of our general biology sequence for science majors and the development of upper-level electives in areas of expertise. Ph.D. and commitment to teaching excellence are required. Development of an active research program involving undergraduates is expected. Preference will be given to individuals with postdoctoral experience and the interpersonal skills necessary to interact effectively with other faculty, students, and staff. Applicants should provide curriculum vitae, statements of teaching philosophy and research goals, reprints, and three letters of recommendation to: **Dr. Lester Turoczi, Chair, Department of Biology, Chemistry, and Health Sciences, Wilkes University, Wilkes-Barre, PA 18766**. Application deadline is December 15, 2000. Wilkes University, a private nonsectarian institution, is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from women and minorities.

### ASSISTANT PROFESSOR TENURE TRACK PHYSIOLOGY

Drew University's College of Liberal Arts is seeking an Assistant Professor, tenure track, to teach physiology in introductory and upper-level undergraduate courses beginning fall 2001 (subject to budgetary approval). Preference for applicants trained in one or more of these areas: neurophysiology, electrophysiology, cellular physiology, and comparative physiology. Active research with undergraduates expected. Ph.D., teaching, and research experience required. Submit curriculum vitae, transcripts, teaching philosophy and research goals, evidence of teaching excellence, and three reference letters to: **Search Committee Chair, Department of Biology, Drew University, Madison, NJ 07940-4000** by December 1, 2000. Affirmative Action/Equal Opportunity Employer.

# millennium

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Millennium is a different kind of biopharmaceutical company with a unique vision for the future of medicine. We're working to understand how specific changes in genes relate to disease—so we can deliver precisely the right drug to each patient.

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We have immediate openings for dynamic, independent individuals to be responsible for several kinase lead optimization projects. Supervising 1 or more Research Associates in the characterization of novel kinases and inhibitors, you will play a leadership role within multidisciplinary target teams working to deliver potent, selective preclinical drug candidates. This will involve close interaction with medicinal chemists and in vivo pharmacologists. We require a PhD in Biochemistry or related field, significant enzymology experience, and experience in the characterization of kinases, assay development, inhibitor characterization and/or biophysical methods.

Join us in building the biopharmaceutical company of the future at our Cambridge facilities. Please respond by sending only one resume using only one of the following methods, indicating the positions you are interested in. Mail your resume to: Millennium Pharmaceuticals, Resume Processing Center, Source Code SC110300, PO Box 798, Burlington, MA 01803. Email: [millennium@rpc.webhire.com](mailto:millennium@rpc.webhire.com). Fax: 617.761.6883. A source code must be included with all submissions. We are an equal opportunity employer committed to discovering the individual in everyone.

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### Biotechnology

The Novartis Institute for Functional Genomics (also known as Genomics Institute of the Novartis Research Foundation - GNF) is located in the Torrey Pines area of San Diego, CA. We are developing and applying novel technologies for genomewide functional characterization.

### Staff Scientist - Immunology

This staff scientist position requires 3 or more years' post-doctoral experience and a strong record of accomplishments in the field of immunology or cancer biology. Individuals with experience in the application of current genomics techniques including RNA expression profiling, cell based screens, and the use of in vivo models (induced mutations, transgenics/knockouts) to solve critical problems in immunology or cancer biology are especially encouraged to apply.

Applications including a curriculum vita including salary requirements, summary of past accomplishments and the names of references should be sent to: **Genomics Institute of the Novartis Research Foundation (GNF), Human Resources; Job code - MPC; 3115 Merryfield Row, San Diego, CA 92121; Fax: 858.812.1584**



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### Research Associate/ Senior Research Associate

In this role, you will participate in the discovery and functional characterization of novel secreted proteins in inflammation and cell survival. The projects involve development and execution of assays to identify novel regulators in important cellular signaling pathways. Characterization of the novel molecules includes expression profiling, identification of respective receptors and investigation of their biological function. Requires a BS/MS in Molecular Biology, Cell Biology or Biochemistry with 2+ years lab experience. Proficiency in standard techniques in molecular biology, biochemistry and tissue culture is required. Additional experience in flow cytometry, isolation and culture of primary cells is desirable. We are looking for a highly motivated, team-oriented candidate with strong communication skills.

To apply, please email your resume, indicating Job Code SC12667, to [genentechad@webhire.com](mailto:genentechad@webhire.com) (place Job Code in the subject field; ASCII files only with a maximum line width of 76 characters). Or mail, indicating Job Code SC12667, to Genentech, Inc., Human Resources, PO Box 1950, South San Francisco, CA 94083-1950. Genentech is an Equal Opportunity Employer.

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## POSITIONS OPEN

### FACULTY POSITIONS DEPARTMENT OF PHYSIOLOGICAL SCIENCES

Eastern Virginia Medical School

The Department of Physiological Sciences at Eastern Virginia Medical is seeking to fill additional tenure-track faculty positions at the rank of **ASSISTANT/ASSOCIATE PROFESSOR**. The Department is composed of three divisions: biochemistry, physiology, and pharmacology with NIH-funded research interests in smooth/striated muscle contraction, intracellular signaling, gene expression, glycobiology, and reproductive/perinatal medicine. Applicants must have a Ph.D. and/or M.D., at least two years of postdoctoral experience, and demonstrated potential to develop/maintain a peer-reviewed research program. Preference will be given to those with research interests that complement and foster interactions with existing faculty and/or have current extramural funding. Support for laboratory and research program development is outstanding. Faculty will also be expected to participate in team-taught courses for medical students and training students in M.S. and Ph.D. programs. Send curriculum vitae, summary of current/future research, and three references to: **Gerald J. Pepe, Ph.D., Professor and Chair, Department of Physiological Sciences, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23507.**

*Eastern Virginia Medical School is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

### UNIVERSITY OF UTAH SCHOOL OF MEDICINE Department of Biochemistry

A tenure-track faculty position is available for autumn 2001 in the general areas of structural or mechanistic biochemistry. We are looking for strength and originality in the characterization of biological macromolecules and elucidation of their mechanisms of action. Macromolecule crystallography is an area of particular but not exclusive interest. Applicants should hold a Doctoral degree and have a strong record of research accomplishment. Preference will be given to applicants at the level of **ASSISTANT PROFESSOR**, but candidates at more senior ranks will also be considered. The successful candidate will join an interactive and diverse faculty and will participate in campuswide training programs. Send curriculum vitae, a statement of research background and interest, and three letters of recommendation to: **Dr. Dana Carroll, Faculty Search Committee, Department of Biochemistry, University of Utah School of Medicine, Salt Lake City, UT 84132 U.S.A.** Deadline for applications is December 1, 2000; late applications will be considered if an opening is still available. *The University of Utah is an Equal Opportunity/Affirmative Action Employer and seeks to provide Equal Access to its programs, services, and activities to people with disabilities.*

### ECOSYSTEM ECOLOGIST FACULTY POSITION

The Department of Biological Sciences, Fordham University, invites applicants with interests in ecosystem ecology for a tenure-track position at the **ASSISTANT PROFESSOR** level. We seek an individual who applies experimental approaches to the study of ecosystem-level processes. The successful candidate will be expected to establish a vigorous, independently funded research program and supervise Doctoral and Master's students at Fordham's biological field station, the Louis Calder Center, Armonk, New York ([website: fordham.edu/calder\\_center](http://web site: fordham.edu/calder_center)). Teaching at the undergraduate and graduate levels is expected. A Ph.D. is required and postdoctoral experience is preferred. Applicants should submit curriculum vitae, brief statement of research and teaching interests, and names and telephone numbers of three references to: **Dr. Berish Rubin, Ecosystem Ecologist Search, c/o Louis Calder Center, Fordham University, Box K, Armonk, NY 10504.** Closing date is December 18, 2000. *Fordham University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### DIRECTOR OF CLINICAL LABORATORIES EMORY UNIVERSITY HOSPITAL Emory University School of Medicine Atlanta, Georgia

The Department of Pathology and Laboratory Medicine, Emory University School of Medicine, is recruiting a Pathologist to direct the clinical laboratories of Emory University Hospital. Emory University Hospital is an operating unit of Emory Healthcare, located on the campus of Emory University in Atlanta, Georgia. This is a full-time faculty appointment at the academic rank of **ASSOCIATE PROFESSOR/PROFESSOR OF PATHOLOGY AND LABORATORY MEDICINE** in Emory University's School of Medicine. Candidates must possess either M.D. or M.D./Ph.D. degrees and have Board certification in clinical pathology with specialization in a laboratory medicine subspecialty, along with a minimum of five years of experience directing a clinical laboratory within an academic medical center. The successful candidate will have a demonstrable record of scholarship in an area related to laboratory medicine and be a forceful leader in the promotion of laboratory medicine professional/technical clinical services, teaching, and research. This individual will also serve on the Executive Committee of the Department. Please send a statement overviewing interests/qualifications, current curriculum vitae, and names of three professional references to:

**James L. Madara, M.D.**  
**William Patterson Timmie Professor and Chair**  
**Department of Pathology and Laboratory Medicine**  
**Emory University Hospital**  
**1364 Clifton Road, N.E., Room H-184**  
**Atlanta, GA 30322**

*Emory University is an Affirmative Action/Equal Opportunity Employer.*

### TENURE-TRACK POSITION LABORATORY OF NEUROSCIENCES

A newly reorganized Laboratory of Neurosciences of the National Institute on Aging is recruiting a **SCIENTIST** for one tenure-track position within its intramural program. Applicants must have an established record of scientific accomplishment within the neurobiology of aging or related fields and possess a strong publication record. Preference will be given to applicants with expertise in the area of invertebrate molecular biology with a focus on identifying genes and cellular mechanisms that either promote or suppress aging and age-related neurodegenerative disorders, but other interests will be considered. This position is 100% research, includes an attractive set-up package and operating budget, and provides the unique and extensive resources of the NIH. Senior investigators in the Laboratory of Neurosciences include **Mark Mattson (Chief), Nigel Greig, Katsutoshi Furukawa, Donald Ingram, Mark Lane, and Mahendra Rao.** Website: [www.grc.nia.nih.gov/Branches/Ins/httl/httl/htdocs/index.html](http://www.grc.nia.nih.gov/Branches/Ins/httl/httl/htdocs/index.html).

Applicants should send curriculum vitae, bibliography, and 1,000-word overview of a proposed program along with three letters of recommendation to: **Chair, LNS Tenure-Track Search Committee, Vacancy Number NIA 99-40(GRC), c/o Personnel Office, Box 26, National Institute of Aging, 5600 Nathan Shock Drive, Baltimore, MD 21224-6823.**

### VIRTUAL SUPERCOMPUTING for Bioinformatics and Other Scientific Applications

Publicly traded technology company seeks **TECHNICAL, TECHNICAL MARKETING, and SENIOR MANAGEMENT** personnel for new business unit applying virtual supercomputing at unprecedented scale to computationally intensive bioinformatics, computational chemistry, and other scientific applications. Résumé to: **Jennifer Mayer, 120 West 45th Street, 23rd Floor, New York, NY 10018.** E-mail: [mayer@staff.juno.com](mailto:mayer@staff.juno.com).

## POSITIONS OPEN

### HEMATOPATHOLOGIST UNIVERSITY OF FLORIDA COLLEGE OF MEDICINE

The Department of Pathology, Immunology, and Laboratory Medicine at the University of Florida College of Medicine is seeking an academic Hematopathologist at the rank of **ASSISTANT PROFESSOR**. This is a tenure-track position. The applicant should have an M.D. degree, have completed anatomic and clinical pathology training, and be certified by the American Board of Pathology. In addition, the candidate must have completed at least one year of hematopathology Fellowship and have or be eligible for a Florida medical license and be proficient in the various diagnostic technologies of a modern hematopathology laboratory including conventional morphology, immunohistochemistry, flow cytometry, and molecular genetics. The successful candidate will be expected to engage in basic investigative activities and procure independent extramural research funding. He/she will also share the various teaching responsibilities of our department. Salary is commensurate with experience. Screening of suitable candidates will continue until a selection is completed or the search is closed. Anticipated start date is July 1, 2001. Please send inquiries and curriculum vitae by December 30, 2000, to:

**Raul C. Braylan, M.D.**  
**University of Florida College of Medicine**  
**Department of Pathology, Immunology, and**  
**Laboratory Medicine**  
**Box 100275 JHMC**  
**Gainesville, FL 32610-0275**

*Equal Opportunity/Affirmative Action Employer.*

**ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCES.** The Department of Biological Sciences at York College of Pennsylvania is seeking a Biologist/Biochemist (Ph.D.) to fill a full-time, tenure-track position teaching undergraduate courses for both majors and nonmajors. The primary teaching responsibility is an upper-division biochemistry course for biology majors. We are particularly interested in an individual who has an excellent teaching record and can direct undergraduates in research. In addition to these primary responsibilities, the applicant is expected to maintain research and professional development collaborations in their field. The applicant would also coordinate the nonmajors biology offerings for the Department. The position starts in August 2001. Please forward your curriculum vitae, a statement of your teaching philosophy (including a description of courses you can teach), a description of how you would involve undergraduates in your research, and three letters of recommendation to: **Chair, Search Committee, Department of Biological Sciences, York College of Pennsylvania, York, PA 17405-1799.** Review of applications will begin on November 17, 2000. Website: <http://www.ycp.edu>. *Equal Opportunity Employer.*

### ASSISTANT PROFESSOR GENETICS

Tenure-track position starting fall 2001. Teaching responsibilities include the core genetics course and an upper-level elective for majors and human genetics and introductory biology for nonmajors. Successful candidates will be committed to excellence in undergraduate teaching and be expected to seek external funding in establishing an active research program. Ph.D. required. Submit curriculum vitae, transcripts, statements of teaching and research interests, and three letters of recommendation to: **Elliott B. Mason, Chair, Department of Biological Sciences, P.O. Box 2000, State University of New York at Cortland, Cortland, NY 13045.** To ensure full consideration, applications must be received by December 8, 2000. *SUNY Cortland is an Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act Employer. The College has a strong commitment to the affirmation of diversity, offers interdisciplinary degree programs in the areas for multicultural studies, and is committed to science education for future elementary educators.*

## RAMAPO COLLEGE OF NEW JERSEY

*Ramapo College, a public, barrier-free institution offering Baccalaureate and selected Master's degrees, approximately 25 miles from New York City, is committed to global education. On-site child care is available.*

### FACULTY POSITIONS: BEGINNING FALL SEMESTER 2001

#### • ASSISTANT PROFESSOR OF ENVIRONMENTAL SCIENCE

The successful candidate should have a strong background in Geographical Information Systems (GIS) with vector (ArcView) and raster experience, be applied environmental scientists with a quantitative background, and have an interest in science education. Teaching will consist of courses included in: Master's Program in Educational Technology, undergraduate Environmental Science and Environmental Studies programs, tenure track.

Ph. D. or ABD with imminent completion date. College teaching experience is required. Search Committee Chair, Dr. Angela Cristini, School of Theoretical & Applied Science, or e-mail acristin@ramapo.edu. Position #800

#### • ASSISTANT PROFESSOR OF CHEMISTRY (TEMPORARY LINE)

One-year, full-time (may be extended for two additional years). The successful candidate must be able to teach Fundamentals of Chemistry, Organic Chemistry, a non-majors chemistry course, an upper level elective, advise students, and supervise undergraduate research projects.

Ph. D. in Chemistry and teaching experience required; Candidates must have a commitment to excellence in teaching and familiarity with standard computer productivity software (e.g., MS Office) and the use of the World Wide Web for communication, research, and teaching are essential. Search Committee Chair, Dr. Carol Frishberg, School of Theoretical & Applied Science, or e-mail cfrishbe@ramapo.edu. Position #799

Ramapo College is a member of the Council of Public Liberal Arts Colleges (COPALAC), a national alliance of leading liberal arts colleges in the public sector. EEO/AFFIRMATIVE ACTION.

#### • ASSISTANT PROFESSOR OF CHEMISTRY/BIOCHEMISTRY

The successful candidate must be able to teach biochemistry lecture and laboratory, general chemistry for nonmajors, and an advanced biochemistry elective, tenure track.

Ph. D. in Chemistry or Biochemistry, a commitment to excellence in teaching, undergraduate research, and service are required. The successful candidate must be willing to interact with biology faculty. Familiarity with standard computer productivity software (e.g., MS Office) and the use of the World Wide Web for communication, research, and teaching is essential. Search Committee Chair, Dr. William Mitchell, School of Theoretical & Applied Science, or e-mail wmitche@ramapo.edu. Position #803

**FOR ALL POSITIONS (unless otherwise noted):** Please send letter of application (indicating position of interest), vita, statement of teaching philosophy, research plans, and a list of three references to the Search Committee Chair of the position for which you are applying. Unless otherwise indicated, we will begin reviewing applications immediately.

*Since its beginning, Ramapo College has had an intercultural/international mission. Please tell us how your background, interest and experience can contribute to this mission, as well as to the specific position for which you are applying. Positions offer excellent state benefits. To request accommodations, call (201) 684-7540. Website: <http://www.ramapo.edu>.*

**RAMAPO COLLEGE  
OF NEW JERSEY**  
Attention: Dept 10  
505 Ramapo Valley Road  
Mahwah, New Jersey 07430



**"New Jersey's Public Liberal Arts College"**



The Neuro-Oncology Branch of the National Cancer Institute and the National Institute of Neurological Disorders and Stroke of the National Institutes of Health are currently recruiting several postdoctoral level scientists to work in the area of experimental protein therapeutics, vector targeting, and glial tumor cell biology. The successful candidates should have a M.D. or Ph.D. and have received training in molecular/cellular biology and/or protein chemistry. Laboratory projects include the study of primary glial neoplasms and neural stem cells for the purpose of identifying novel anti-tumor targets, development of high throughput screens, peptide antagonists, and genetic vector. Experience with either viral or non-viral vectors, creation and screening of cDNA or peptide libraries, phage display, expression array technology, or stem cell biology would be desirable. Please send curriculum vitae, statement of research interests and two letters of reference to:

**Howard A. Fine, M.D.**  
Chief, Neuro-Oncology Branch  
National Cancer Institute  
Building 10, Room 12S245  
10 Center Drive, MSC1911  
Bethesda, MD 20892-1911

*The NIH is an Equal Opportunity Employer.*

#### Taxonomist/Zoologist Position at NCBI/GenBank

The Taxonomy Project at the National Center for Biotechnology Information (NCBI) in the National Library of Medicine (NLM) is looking for a postdoctoral scientist with a minimum of 3 years of experience in metazoan (preferably invertebrate) systematics. Familiarity with the principles of phylogenetic systematics and knowledge of the rules of nomenclature are strongly desired. The successful candidate will be required to devote 50% of her/his time to the work associated with maintaining the taxonomy database. This includes familiarity with current literature on classification systems, maintaining contact with outside taxonomy consultants, and verifying and adding new names to the existing taxonomy database. The other 50% of the time will be available for independent research. The initial salary for a scientist in the NIH Intramural Research Training Program (IRTA) with three years post-doctoral experience will be between US\$ 30,000-36,000 depending on qualifications. The initial appointment will be a commitment for two years and could be extended. A health care package is offered as part of the postdoctoral appointment.

Applications can be sent via mail, e-mail or faxed to the address below.

Detlef D. Leipe, Ph.D.  
Chair, Search Committee  
NCBI (GenBank)  
National Library of Medicine  
NIH, Building 45, Room 6th Floor  
e-mail: [Leipe@ncbi.nlm.nih.gov](mailto:Leipe@ncbi.nlm.nih.gov)  
45 Center Drive, MSC 6510  
Bethesda, MD 20892-6510, USA  
phone: 301-435-5999 fax: 301-480-9241



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, sexual orientation, physical or mental handicap, age, or membership or non-membership in an employee organization.

**NIH is an Equal Opportunity Employer**

## POSITIONS OPEN

### BIOENGINEERING FACULTY POSITIONS

The University of Illinois at Chicago, Department of Bioengineering, invites applications for full-time, tenure-track positions at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Desired areas of interest identified in our recent Whitaker Special Opportunity Award are cell and tissue engineering, neural engineering, and bioinformatics. In addition, we have identified a critical need for individuals with expertise in BioMEMS for neural, cell and tissue, and genomic applications. The Department of Bioengineering offers B.S., M.S., and Ph.D. degrees and has a strong emphasis on graduate training and research. The present enrollment is approximately 100 undergraduate and 100 graduate students. Additionally, an M.D./Ph.D. program is offered jointly by the Department of Bioengineering and the College of Medicine. Campus facilities include the Microfabrication Applications Laboratory, the Biomedical Visualization Laboratory, the Biological Resource Center, complete animal care facilities, and extensive computer resources. UIC is also the home of the National Science Foundation National Center for Data Mining. These positions must be filled by the fall of 2001. The candidate is expected to establish a strong research program, develop new courses in bioengineering, and contribute to the development of the new multidisciplinary activities in the Department of Bioengineering. For fullest consideration, please send detailed curriculum vitae, reprints of publications, a statement of research interests, and the names of three references by January 15, 2001, to:

**R. L. Magin, Ph.D., Chairman**  
Faculty Search Committee

University of Illinois at Chicago  
Department of Bioengineering (M/C 063)  
851 South Morgan Street, Room 218 SEO  
Chicago, IL 60607-7052

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

### ECOLOGY FACULTY POSITION SYRACUSE UNIVERSITY DEPARTMENT OF BIOLOGY Fall 2001

The Department of Biology, Syracuse University, invites applications for a tenure-track position in ecology at the rank of **ASSISTANT or ASSOCIATE PROFESSOR**. We seek a broadly trained Ecologist and have special (though not exclusive) interest in individuals whose research focuses on trophic ecology or plant-animal interactions. Of particular significance will be the ability to contribute to the Environmental Sciences Program, a joint endeavor of the Departments of Biology and Earth Sciences. Successful candidates for this position will be expected to develop and/or maintain externally funded research programs. This position entails undergraduate and graduate teaching responsibilities commensurate with maintaining a successful research program. Salary and start-up packages will be highly competitive.

Biology at Syracuse University is embarking on an exciting building program over the next several years. This includes the addition of several new faculty (in addition to the one described here) as well as the design and occupation of a new laboratory and teaching building. Further information about the Department can be found at our website: <http://www-hl.syr.edu/dept/biograd/>. Interested candidates should send complete curriculum vitae, a summary of research interests, future research plans, copies of three peer-reviewed papers, and arrange to have three letters of recommendation sent to: **Dr. Sam McNaughton, Ecologist Search Group, Department of Biology, Biological Research Laboratories, Syracuse University, 130 College Place, Syracuse, NY 13244. E-mail: sjmcaug@syr.edu.** Review of applications will begin immediately.

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

## POSITIONS OPEN

**TENURE-TRACK FACULTY POSITIONS** in geological and hydrological sciences. The Department of Environmental Sciences at the University of Virginia invites applications for tenure-track **ASSISTANT PROFESSORSHIPS** in the geological and hydrological sciences. The Department is an interdisciplinary community of process-oriented Scientists representing hydrology, geosciences, ecology, and the atmospheric sciences. The department offers B.A., M.S., and Ph.D. degrees.

Position in geological sciences: The Department seeks candidates with the skills and interest to advance our understanding of geochemical and/or surface processes effective at landscape or larger scales (e.g., coastal environments, hillslopes, watersheds, continental margins). The ideal candidate will embrace the opportunity to work within our interdisciplinary mix of research areas. A Ph.D. in the geosciences or related field is required.

Position in hydrological sciences: The Department seeks candidates with clear interest and potential for advancing our understanding of the controls and dynamics of the landscape-scale terrestrial water cycle. In particular, we seek to augment our existing strengths through the addition of a colleague studying terrestrial water reservoirs (either surface or subsurface), possibly involving interaction with changing climate and vegetation communities. We encourage applications from diverse areas of hydrological sciences (e.g., ground water-surface water interactions in coastal areas, land surface water dynamics inferred through remote sensing, land cover controls on hydrology of large basins, etc.) Regardless of specialization, the ideal candidate will be a process-based Scientist working at the landscape scale. A Ph.D. in hydrology or related field is required.

The successful candidates will be expected to develop outstanding programs in research and teaching at both the undergraduate and graduate levels. Applicants must show demonstrated excellence in their research and a strong commitment to quality teaching.

Send statements of research and teaching interests, curriculum vitae, and the names and addresses of three references to: **James N. Galloway, Professor and Chair, University of Virginia, Department of Environmental Sciences, P.O. Box 400123, Charlottesville, VA 22904-4123.**

Evaluation of applications will begin on 15 November 2000. All applications must be received by 01 January 2001. In addition to the printed application, we would appreciate having a PDF file of the application e-mailed to us at either e-mail: [geosciences@mail.evsc.virginia.edu](mailto:geosciences@mail.evsc.virginia.edu) or e-mail: [hydrology@mail.evsc.virginia.edu](mailto:hydrology@mail.evsc.virginia.edu) (although this is optional). For additional information, see the Department website: [www.evsc.virginia.edu](http://www.evsc.virginia.edu). *The University of Virginia is an Equal Opportunity/Affirmative Action Employer. We especially encourage applications from underrepresented groups.*

### 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.*

## POSITIONS OPEN

### TENURE-TRACK POSITIONS IN GENETIC MEDICINE WEILL MEDICAL COLLEGE Cornell University

As part of a significant enhancement of its basic biomedical science research programs and laboratory facilities, Weill Medical College of Cornell University (formerly known as Cornell University Medical College) is undertaking a major program initiative in the area of genetic medicine and is seeking to recruit tenure-track faculty at all levels to its newly formed Institute of Genetic Medicine. We are especially interested in candidates with a focus on the differentiation of murine and human tissues, including genetic control of differentiation of embryonic stem cells to specific lineages, genetic reprogramming of adult differentiated cells, somatic cell nuclear transfer, and microarray assessment of mammalian gene expression. Exceptional candidates in other related/appropriate fields will also be considered. Candidates for junior positions should demonstrate the potential of establishing a vigorous independent research program. Candidates for senior positions should have an outstanding publication record as well as substantial recent success in obtaining peer-reviewed grant support. Appointment of these independent, tenure-track faculty is anticipated in the Institute of Genetic Medicine directed by **Ronald G. Crystal, M.D.**

Recruited faculty will receive generous start-up support, will occupy newly constructed laboratories, and will have access to the newly completed, 12,000-square-foot Arthur and Rochelle Belfer Gene Therapy Core Facility. Candidates may participate in the Graduate School of Medical Sciences program, which includes faculty from the Weill Medical College and the Sloan-Kettering Institute, and in the Tri-Institutional M.D./Ph.D. program, which also includes faculty from The Rockefeller University.

Applications should include curriculum vitae, statement of research interests, and three letters of recommendation. Applications should be sent to: **Bernadette M. Mosellie, Genetic Medicine Recruitment Committee (RC), Box Number 27, Weill Medical College of Cornell University, 1300 York Avenue, New York, NY 10021.**

*Equal Employment Opportunity/Affirmative Action/Minorities/Females/Disabled/Veterans.*

### FACULTY POSITION IN BIOCHEMISTRY VANDERBILT UNIVERSITY SCHOOL OF MEDICINE

Applications are invited for a tenure-track position at the rank of **ASSISTANT to FULL PROFESSOR**. The Department of Biochemistry at the Vanderbilt University School of Medicine is a multidisciplinary department with faculty in the Centers for Cellular and Molecular Neurosciences, Molecular Toxicology, Nutrition, and the Vanderbilt-Ingram Cancer Center. The Department also has strength in structural biology and molecular mechanisms of tumorigenesis. The Department has a long history of excellence in cellular signaling by growth factors. While all areas of modern molecular biochemistry will be considered, preference will be given to those individuals demonstrating outstanding ability to study signaling pathways. These signaling pathways include but are not limited to growth factor/receptor function, signals altering transcriptional responses, proteolysis, alterations in nuclear architecture, and regulation of the cell cycle.

Interested applicants must have a Ph.D. and/or M.D. degree with three years of postdoctoral training. Applications will be reviewed as they are received, but applications must be received by December 15, 2000. Please submit curriculum vitae, a statement of research interests, and the names of three references to:

**Marlene Jayne**  
Department of Biochemistry  
607 Light Hall

Vanderbilt University School of Medicine  
21st and Garland  
Nashville, TN 37232

E-mail: [jayne@lhmrb.a.hh.vanderbilt.edu](mailto:jayne@lhmrb.a.hh.vanderbilt.edu)

*Vanderbilt University is an Equal Opportunity Employer.*



Positions at Two Recently Established  
NIH Centers of Biomedical Research Excellence

**BIOLOGY OF NITRIC OXIDE GRADIENTS**

As part of our five interrelated projects into the biology, chemistry, and molecular biology of nitric oxide we seek skilled scientists and students for the following positions:

**Assistant Research Professor:** Experience and research interests in state-of-the-art microscopy, including confocal and epifluorescence, and ultrastructural techniques. Primary responsibility will be management of the University's microscopy center. Opportunity includes the possibility of establishing a research program within this Center. Appointment at a (non-tenure track) Assistant Professor level for a renewable five year term.

**Postdoctoral Scientists:** Four postdoctoral positions available in the following areas: a) synthetic chemistry of new fluorescent NO probes and donors (two positions); b) the role of NO in enteric neuronal regulation in gastrointestinal function; c) airway epithelial calcium and NO signaling in response to pathogens.

To apply send complete CV, three references, and a cover letter indicating which position(s) you are applying for to: Lynda Payne, Department of Chemistry, University of Wyoming, Laramie, WY 82071-3838, USA.

For additional information see our website:  
[www.uwyo.edu/nocobre](http://www.uwyo.edu/nocobre)

**STRESSORS OF CARDIOVASCULAR HEALTH**

As part of the interdisciplinary program in cellular and molecular responses to stressors of cardiovascular health we seek **Postdoctoral Scientists** in the following areas:

**Neuroscience.** The fellow will utilize behavioral, physiological, and neuroanatomical techniques to study the regulation of salt intake and cardiovascular responses. Candidate must have a Ph.D. in biopsychology, neuroscience, or related area. Send CV and cover letter to Dr. Bill Flynn, Department of Psychology, University of Wyoming, Laramie, WY 82071-3415. E-mail: [flynn@uwyo.edu](mailto:flynn@uwyo.edu). Fax: 307-766-2926.

**Gene expression/ bioinformatics.** Study regulation of gene expression in response to hypoxia using DNA microarrays (bacterial and mammalian systems). Experience in expression microarrays and traditional RNA techniques desirable. Send CV and cover letter to Dr. Mark Gomelsky, Department of Molecular Biology, University of Wyoming, Laramie, WY 82071-3944. E-mail: [gomelsky@uwyo.edu](mailto:gomelsky@uwyo.edu). Fax: 307-766-3875.

For additional information see our website:  
[www.uwyo.edu/cardio-cobre](http://www.uwyo.edu/cardio-cobre)

**Graduate Assistantships** are available in all disciplines related to both Centers.

The University of Wyoming is located in a high (2,200 m) valley surrounded by the Rocky Mountains in the south-eastern corner of Wyoming.

*The University of Wyoming is an equal  
opportunity/affirmative action employer.*

**MYRIAD GENETICS, INC.**



Myriad Genetics, Inc. is a biopharmaceutical company focused on the development of therapeutic and diagnostic products that are based on the use of genomics and proteomics technologies. Myriad has enjoyed many successes, including the discovery of the breast and ovarian cancer predisposition genes BRCA1 and BRCA2 and the establishment of ProNet™, the premier protein interaction database. In the area of proteomics, Myriad has established strategic alliances with Bayer, Hitachi, Pharmacia, Roche, and Schering AG.

**EXPANSION OF MYRIAD'S  
PROTEOMICS FACILITIES**

Myriad Genetics' ProNet program focuses on the application of protein interaction technologies on an industrial scale. Our goal is to understand, in great detail, the interactions that occur within the human proteome. We are currently expanding the scope of the ProNet program and are seeking a number of motivated scientists to lead a variety of efforts within the proteomics group.

**RESEARCH SCIENTIST, MASS SPECTROMETRY**

This scientist will be responsible for the design, development, and implementation of a mass spectrometry facility for the characterization of proteins. You must have a strong background in mass spectrometry (MALDI-TOF, ESI, etc.) and should have expertise in the identification and characterization of protein complexes. A Ph.D. and 3+ years of relevant experience is required for this position. Excellent communication and organizational skills are also essential.

**DIRECTOR, PROTEIN SCIENCE**

We are seeking a motivated and creative scientist to direct our protein science group, which will carry out large-scale protein expression and purification projects. The successful candidate will be responsible for process development in a high-throughput production environment. A strong working knowledge of protein expression and purification methodologies is essential and familiarity with automation issues is desirable. Applicants should have a Ph.D. and 5+ years of experience in the areas of recombinant protein expression and protein biochemistry. You will lead a group of researchers and should have demonstrated team building and interpersonal skills.

**RESEARCH SCIENTIST, PROTEIN EXPRESSION**

We are seeking a number of Ph.D. level scientists for our Protein Science group. These individuals will be responsible for testing and implementing protocols for high-throughput protein expression and complex purification. Qualified applicants must have a Ph.D. and 2+ years of relevant postdoctoral experience.

**DIRECTOR, PROCESS AUTOMATION**

We are seeking an individual who will coordinate with our technology development, automation, and informatics groups to evaluate and implement high-throughput nucleic acid analysis techniques. This position requires a Ph.D. and knowledge of DNA chemistries along with expertise in process automation and informatics. Excellent communication and organizational skills are also essential.

Our facilities are located in Salt Lake City at the foot of the Wasatch Mountains, close to a wide variety of cultural and recreational facilities. We offer an attractive compensation package and a stimulating, interactive environment. Please send, fax, or e-mail your letter of interest specifying the position, a complete resume, and the names of three professional references to:

Myriad Genetics, Inc. Attn: Human Resources, 320 Wakara Way, Salt Lake City, UT 84108;

Fax: (801) 584-1144; [humanres@myriad.com](mailto:humanres@myriad.com)

Myriad Genetics is an equal opportunity employer. To learn more about Myriad Genetics, visit our corporate web page at <http://www.myriad.com> or our ProNet™ Online web site at

<http://www.myriad-pronet.com>



**MYRIAD**

## POSITIONS OPEN

### CENTER FOR BIOINFORMATICS AND COMPUTATIONAL BIOLOGY University of Maryland, College Park

The University of Maryland invites **FACULTY APPLICATIONS** at all levels for the newly established Center for Bioinformatics and Computational Biology. The campus has substantial resources committed to the Center, including funds for the recruitment of six new faculty with research interests in focused areas of computational genomics such as functional genomics and proteomics. It is anticipated that the primary backgrounds of the new faculty will span computer science, mathematics and statistics, molecular biology, and biochemistry. The primary responsibility of the new faculty will be to lead a focused, nationally visible research program in computational genomics. All the new faculty will be housed in the University of Maryland Institute for Advanced Computer Studies (UMIACS) and will have access to significant high-end computing infrastructure. The new faculty will also be affiliated with at least one of the academic units on campus depending on their interests, with the potential of pursuing research collaborations with nearby outstanding research groups in organizations such as NIH, Celera, TIGR, UMBI, and the Smithsonian. To apply, send a letter of application, curriculum vitae, and a list of suggested names and addresses for letters of recommendation to:

**Dr. Joseph JaJa, Chair of Search Committee**  
Center for Bioinformatics and  
Computational Biology  
Institute for Advanced Computer Studies  
University of Maryland  
College Park, MD 20742

For more information, please contact: **Dr. Joseph JaJa**; Telephone: 301-405-6722; e-mail: joseph@umiacs.umd.edu. Applications will be accepted until the positions are filled. *The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

### FACULTY POSITIONS IN MOLECULAR GENETICS DEPARTMENT OF GENETICS North Carolina State University

The Department of Genetics at North Carolina State University seeks applications at the **ASSISTANT PROFESSOR** level for two tenure-track faculty positions in molecular genetics. We seek outstanding individuals employing modern molecular techniques to explore fundamental biological problems using eukaryotic model organisms. Applicants should have a Ph.D.; postdoctoral experience; and clear evidence of significant productivity, creativity, and independence. Successful candidates will be expected to develop vigorous, extramurally funded research programs; participate in the training of Ph.D. candidates; and contribute to graduate and undergraduate teaching. Additional information is available at **website**: <http://www.cals.ncsu.edu/genetics/>.

Review of applications will begin November 30, 2000, and continue until the positions are filled. Applicants should forward curriculum vitae, a brief statement of research and teaching interests, copies of key publications, and arrange for three letters of recommendation to be sent to:

**Dr. William R. Atchley, Chair**  
Molecular Genetics Search Committee  
Department of Genetics, Box 7614  
North Carolina State University  
Raleigh, NC 27695-7614  
E-mail: atchley@ncsu.edu

NCSU is an Affirmative Action/Equal Opportunity Employer. Americans With Disabilities Act accommodations: **Jeff Hawley** (e-mail: jeff\_hawley@ncsu.edu; Telephone: 919-515-5727; FAX: 919-515-3355). In its commitment to diversity and equity, North Carolina State University seeks applications from women, minorities, and persons with disabilities.

## POSITIONS OPEN

### SYSTEMATIC ICHTHYOLOGIST

The American Museum of Natural History seeks applications for a tenure-track position of **ASSISTANT or ASSOCIATE CURATOR OF ICHTHYOLOGY** with a research focus on fish systematics (marine and/or freshwater). Candidates must have a demonstrated ability to conduct original, collections-based systematic research on recent fishes; an ambitious field program, collection management experience, and a record of successful grantsmanship are strongly preferred. The successful applicant will be expected to maintain a strong research publication output, accept joint responsibility for curation and management of the recent fish collections, contribute to growth of the collections, and participate in AMNH graduate student and postdoctoral training programs. Further responsibilities may include participation in public programs, teaching, exhibitions, administration, participation in biodiversity and conservation initiatives, and other activities that promote and enhance science. Appointment will be made no earlier than 1 July 2001 with rank and salary commensurate with experience; a Ph.D. is required at the time of appointment. Candidates should send the following application materials: curriculum vitae (including e-mail contact address); statement of research interests, goals, and reasons for seeking employment at the AMNH; and copies of all relevant publications. Candidates should request letters of recommendation from at least three qualified reviewers. All materials should be sent to: **Dr. Nancy Simmons, Chair, Division of Vertebrate Zoology, American Museum of Natural History, New York, NY 10024 U.S.A.** E-mail: [simmons@amnh.org](mailto:simmons@amnh.org). Evaluations will begin 15 January 2001 and will continue until the position is filled. *Equal Opportunity/Affirmative Action. Women and minority candidates are strongly urged to apply.*

### LECTURER/VISITING ASSISTANT PROFESSOR UNIVERSITY OF MASSACHUSETTS

We seek a Lecturer/Visiting Assistant Professor who will join one of the active research groups in the Biology Department and offer a sophomore-level genetics course in spring 2001. The Lecturer/Visiting Assistant Professor-level appointment will be initially for one year commencing January 2001 and will provide an opportunity to engage in research and gain teaching experience in a department noted for its excellence in undergraduate education and first-class research facilities. Ph.D. required and salary commensurate with experience. Candidates should consult the list of faculty interested in acting as a sponsor at **website**: <http://www.bio.umass.edu/biology/jobs/facspons.html>. To apply, send curriculum vitae, three letters of reference, a statement of research and teaching interests, and a letter of support from the faculty sponsor to: **Lecturer Search Number 12505, Biology Department, University of Massachusetts, Amherst, MA 01003**. Review of applications will begin November 21, 2000, and continue until the position is filled.

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

Sweet Briar College seeks applications for a tenure-track **ASSISTANT PROFESSOR** of environmental science in the Department of Environmental Studies. The successful candidate should have a Ph.D. in environmental science, Earth science, or natural science with a significant Earth science background. It is desirable that applicants have postdoctoral experience and a strong foundation in GIS. The candidate will be expected to develop a successful research program involving undergraduates.

For more information, visit **website**: <http://envirosci.sbc.edu>. Please send a letter of application; curriculum vitae; statements of teaching and research interests; and three letters of recommendation by December 1, 2000, to: **Dr. David Orvos, Chair, Department of Environmental Studies, Sweet Briar College, Sweet Briar, VA 24595**. *Equal Opportunity Employer.*

## POSITIONS OPEN

### SYNTHETIC MATERIALS CHEMISTRY DARTMOUTH COLLEGE

The Chemistry Department of Dartmouth College seeks an individual with research interests in the synthesis of molecular materials to join its tenure-track faculty at the rank of **ASSISTANT PROFESSOR**. The Chemistry Department is one of three represented in the Dartmouth Molecular Materials Group and applications from candidates interested in interdisciplinary research collaborations and whose research interests complement those of the materials group are especially encouraged. Teaching assignments will involve appropriate courses in the graduate and undergraduate curriculum. Applicants should submit curriculum vitae, a description of their research plans, a list of start-up requirements, and a brief statement about their teaching interests. Applicants should also arrange to have three letters of recommendation sent on their behalf. Application materials should be sent to: **Professor David S. Glueck, Materials Synthesis Search Committee, Department of Chemistry, 6128 Burke Laboratory, Dartmouth College, Hanover, NH 03755-3564**. The Committee will begin to consider completed applications on December 1, 2000. For additional information about the Department and the Materials Group, see **websites**: <http://www.dartmouth.edu/artsci/chem> and <http://www.dartmouth.edu/~dmmg>. *Dartmouth College is an Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSOR OF PHARMACEUTICAL ANALYSIS Mylan School of Pharmacy Graduate School of Pharmaceutical Sciences Duquesne University Pittsburgh, Pennsylvania

The Pharmaceutical Sciences Division seeks to fill a tenure-track position in pharmaceutical analysis/pharmaceutical chemistry beginning July 1, 2001. Applicants should possess a Ph.D. degree in pharmaceutical chemistry or a suitably related field. Postdoctoral experience is required. Successful candidates will be expected to teach in the entry-level Doctor of Pharmacy program and M.S./Ph.D. graduate programs and to develop vigorous, creative, and extramurally funded research programs. Applicants should submit a letter of intent accompanied by curriculum vitae, a summary of research interests, and at least three letters of reference to: **Dr. James K. Drennen III, Head Pharmaceutical Sciences Division, Graduate School of Pharmaceutical Sciences, Duquesne University, Pittsburgh, PA 15282**. Telephone: 412-396-6315; FAX: 412-396-4660; E-mail: [drennen@duq.edu](mailto:drennen@duq.edu). For more information about the Mylan School of Pharmacy, the Graduate School of Pharmaceutical Sciences, and Duquesne University, visit the University's **website**: <http://www.duq.edu/index.html>. Applications will be accepted until the position is filled.

**ASSISTANT PROFESSOR**, microbiology. The Department of Biological Sciences, Bridgewater State College, Bridgewater, Massachusetts, invites applications for a full-time, tenure-track position beginning fall 2001. The position requires teaching upper-level microbiology, introductory biology, and upper-level courses appropriate for the Department's biomedical/molecular concentration as well as participating in equipment procurement. The successful candidate must have an earned Ph.D., excellent communication skills, and a strong commitment to teaching and research in an undergraduate setting, as well as being able to advise undergraduate students and supervise original undergraduate research. Knowledge of molecular biology is required. Teaching experience is preferred. Please submit a letter of application; résumé; and the names, addresses, and telephone numbers of three professional references to: **Human Resources, Bridgewater State College, Bridgewater, MA 02325**. Review of applications will begin on December 14, 2000, and will continue until the position is filled. *Bridgewater State College is an Equal Opportunity Employer with a longstanding commitment to increasing the diversity of its employee community.*





## Watershed Management Positions Endowed by Forest Renewal BC Earth and Environmental Science Kelowna Centre

Okanagan University College is a comprehensive multi-campus institution delivering post-secondary education and training to the population in British Columbia's Southern Interior and beyond. With 7,000 full and part-time students enrolled in vocational, developmental, applied and academic programs, OUC is focused on developing new and more responsive answers to the learning needs of an evolving society and economy. Located in B.C.'s beautiful Okanagan Valley, OUC provides a stimulating environment for working and living.

The Department of Earth and Environmental Science in the Faculty of Science requires two College Professors to fill Watershed Management Positions endowed by Forest Renewal BC in: 1) Steam Hydraulics & Fish Habitat and 2) Soil Hydrology & Biogeochemistry. Responsibilities include undergraduate teaching, research and extension from the subject area, as well as from the wider field of watershed management. Successful candidates will teach introductory courses in aspects of watershed management and advanced courses in their field of specialization. Successful candidates should excel in delivering the results of applied research to resource stakeholders including industry, governments and scientific peers.

The successful candidates will work closely with an extension specialist from the Southern Interior Forest Extension and Research Partnership. Research infrastructure is being provided by a number of partners in the forests products industry and local municipalities.

Preferred qualifications are a Ph.D. and demonstrated applied research ability from one of the following disciplines: Earth and Environmental Sciences, Forest Science, Environmental Engineering, Soil Science or a related discipline.

These are continuing (full-time) appointments effective June 1, 2001. Start dates are negotiable.

Salary and working conditions are governed by the Okanagan University College Faculty Association Collective Agreement. Placement on the salary scale is dependent upon qualifications and experience.

Please submit a curriculum vitae **quoting Competition No. 72FAC00(S)** and the names, addresses and telephone numbers of three referees to the address noted below. The selection committee will start to consider applications by **January 31, 2001**.

**Applications may be faxed to (250) 862-5475 or e-mailed to [erapplicants@okanagan.bc.ca](mailto:erapplicants@okanagan.bc.ca).**

**E-mailed applications can only be received as attachments in Word format and must include the Competition Number in the subject line. Please visit our website at: <http://www.ouc.bc.ca/jobpostings/>.**

Okanagan University College wishes to thank all applicants for their interest.

Only those applicants selected for further consideration will be contacted.



Employee Relations Division, 1000 K.L.O. Road, Kelowna, BC V1Y 4X8

[www.ouc.bc.ca](http://www.ouc.bc.ca)



**Washington**  
WASHINGTON UNIVERSITY IN ST. LOUIS

### Department of Genetics Faculty Position

We are seeking to hire **tenure track faculty** investigating significant biological problems at the whole genome level. They will join an interdisciplinary community of genome scientists that includes the world-class Washington University Genome Sequencing Center, colleagues in the Department of Genetics who are leaders in genome analysis, and a large, highly interactive faculty in multiple departments throughout the University who see large-scale genomics as both a biological and technological challenge. We offer generous startup packages and competitive salaries. We will begin reviewing applications Dec. 1, 2000. Applicants should submit a CV, brief description of research accomplishments and interests, and names of at least three references to:

**R.H. Waterston**  
Faculty Search Committee  
Department of Genetics Box 8232,  
Washington University School of  
Medicine  
660 S. Euclid Ave.  
St. Louis, MO 63110

### UNIVERSITY OF KANSAS THREE FACULTY POSITIONS ECOLOGY AND EVOLUTIONARY BIOLOGY

**Plant Systematist/Systematic Botanist:** Assistant/Associate/Full Professor and Assistant/Associate/Senior Curator. Required qualifications: 1) Ph.D. in appropriate discipline that provides strong background in systematics and plant biology. 2) Active collection-based research centered on one or more areas of systematic botany. 3) Demonstrated commitment to excellence in development/management of plant systematic research collections and associated data for research, education, and public service. 4) Ability to teach courses in systematic botany, organismal diversity, and/or general biology and other core courses as well as seminars in areas of expertise.

**Large-Scale Ecologist:** Assistant/Associate Professor. Required qualifications: 1) Ph.D. in appropriate discipline that provides strong background in ecology. 2) Active research in landscape-level or global-scale ecological questions. 3) Ability to teach courses in large-scale ecology (e.g., at community, ecosystem, landscape, or global levels), general ecology or other core courses, as well as courses and seminars in areas of expertise.

**Developmental Evolutionary Biologist:** Assistant Professor. Required qualifications: 1) Ph.D. in appropriate discipline that provides strong background in developmental biology. 2) Active research program in evolutionary developmental biology with clear emphasis on integrative, comparative and phylogenetic approaches. 3) Ability to teach courses in developmental biology at undergraduate and graduate levels, and other core courses as well as seminars in areas of expertise.

Candidates for all positions must have completed Ph.D. by date of appointment, be committed to excellence in teaching and mentoring at undergraduate and graduate levels, be able to interact with colleagues in related disciplines, and be willing to contribute to the overall service of the University. Preference given to individuals with post-doctoral experience, demonstrated ability to attract external funding, and demonstrated teaching ability and experience. Positions begin either August 18, 2001, or January 1, 2002; have salaries commensurate with experience; and are contingent upon budgetary approval.

Review of all applications begins 11 December 2000 and will continue until positions are filled. Application materials include 1) Curriculum vitae. 2) Concise statements of (a) research interests and future directions; (b) teaching philosophy and experience, including courses applicant is qualified to teach; and (c) for Plant Systematist Position, curatorial philosophy, experience and interests. 3) Copies of selected publications. 4) Letters of reference from at least three persons to be submitted to: **Ms. Berry Clemens, Administrative Assistant, Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS 66045-2106. Voice: 785-864-5889; FAX: 785-864-5860; email: [bclemens@ukans.edu](mailto:bclemens@ukans.edu), URL: <http://www.ukans.edu/~ceb>. EO/AA Employer**

## POSITIONS OPEN

### ASSOCIATE/FULL PROFESSOR NUTRITION SCIENCE

The University of North Carolina at Greensboro

The graduate program in nutrition at The University of North Carolina at Greensboro ([website: http://www.uncg.edu/nfs](http://www.uncg.edu/nfs)) invites applications for a 12-month, tenure-track position (50% teaching, 50% research with ARS appointment) to begin August 1, 2001. Preference will be given to candidates taking a mechanistic approach in studying nutritional immunology, aging, or micronutrients, but candidates with a research focus in other areas of nutrient metabolism will also be considered. Successful candidates will have a competitively funded and highly visible research program, enthusiasm and competency in teaching and training of undergraduate/graduate students, strong record of scholarly productivity, and overall commitment to excellence. Modern well-equipped laboratories along with competitive salary and start-up packages are available. Applicants should send a letter of interest (with brief summary of current research, future research plans, funding record, and teaching interests) and curriculum vitae, and also have three reference letters forwarded to: **Chair of the Search Committee, Department of Nutrition and Foodservice Systems, P.O. Box 26170, 318 Stone Building, The University of North Carolina at Greensboro, Greensboro, NC 27402-6170.** The applications will be reviewed beginning in February 2001 and be continued until the position is filled. *The University of North Carolina at Greensboro is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

### NEUROSCIENCE FACULTY POSITIONS

The Department of Basic Medical Science seeks outstanding candidates for two tenure-track faculty positions at the **ASSISTANT/ASSOCIATE PROFESSOR** level at the University of Missouri-Kansas City School of Medicine. Applicants must have a Ph.D. or comparable degree and postdoctoral experience. Successful candidates will be able to demonstrate a strong record of accomplishment consistent with the faculty rank they seek and be expected to contribute to medical and dental education in neuroscience. An externally funded research program in molecular, cellular, or systems neuroscience is preferable, and generous start-up funds are available. Review of applicants will start on December 30, 2000, and continue until the positions are filled. Send curriculum vitae, a summary of research plans, and the names and addresses of three references to: **Gloria E. Meredith, Ph.D., Chairperson, Neuroscience Search Committee, Department of Basic Medical Science, University of Missouri-Kansas City School of Medicine, 2411 Holmes Road, M3-C03, Kansas City, MO 64108.** *The University of Missouri-Kansas City is an Affirmative Action/Equal Opportunity Employment Institution.*

California Institute of Technology invites applications for one faculty position at the interface of chemistry with the biological sciences. Appointment in the Division of Chemistry and Chemical Engineering is anticipated. Candidates proposing interdisciplinary research programs are of particular interest, and strong interactions with other divisions of the Institute are expected. Joint appointments in other divisions will be arranged as appropriate. Exceptionally well-qualified applicants will be considered for a tenure-track appointment at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Initial appointment at the Assistant Professor level will be for four years. Outstanding candidates who have completed their Ph.D. and have a strong commitment to research and teaching are encouraged to apply. Submit by November 15, 2000, curriculum vitae; publication list; a concise description of proposed research; and three letters of recommendation to: **Professor John H. Richards, Chair, Faculty Search Committee, Braun Laboratory, 147-75, 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.*

## POSITIONS OPEN

### FACULTY POSITION DEPARTMENT OF MOLECULAR BIOPHYSICS AND BIOCHEMISTRY Yale University

The Department of Molecular Biophysics and Biochemistry seeks applications for an **ASSISTANT PROFESSOR** in the fields of biochemistry, molecular biology, and molecular genetics. Our department spans a broad range of areas from structural to molecular biology and is located in both the Faculty of Arts and Sciences and the School of Medicine of the University. Applicants should include curriculum vitae, a statement of research interests, and selected reprints or preprints. For Assistant Professor positions, three letters of reference should be forwarded by the deadline. Applications should be sent to:

**Faculty Search Committee (Biochemistry)  
Department of Molecular Biophysics  
and Biochemistry  
Yale University**

**260 Whitney Avenue, P.O. Box 208114  
New Haven, CT 06520-8114  
Telephone: 203-432-5593**

Application deadline: December 1, 2000.

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

### ASSISTANT/ASSOCIATE PROFESSOR NEUROSCIENCE

Dallas: The Department of Psychiatry at The University of Texas Southwestern Medical Center at Dallas is seeking outstanding Neuroscientists with research interests in any of several areas of psychiatric neuroscience including molecular neurobiology, cellular physiology, signal transduction, genetics, or behavioral neuroscience. The successful candidate will have an M.D. and/or Ph.D. degree with postdoctoral research experience; outstanding potential for acquiring external funding to maintain an active, independent research program; and ability to work effectively within a highly multidisciplinary and collaborative research group. Attractive start-up packages are available. Please submit curriculum vitae and cover letter (with names of three references) to:

**Dr. Eric J. Nestler  
Chairman, Department of Psychiatry  
The University of Texas  
Southwestern Medical Center  
5323 Harry Hines Boulevard  
Dallas, TX 75390-9070**

E-mail: [eric.nestler@UTSouthwestern.edu](mailto:eric.nestler@UTSouthwestern.edu)

*The University of Texas Southwestern Medical Center is an Equal Opportunity Employer.*

**ASSISTANT/ASSOCIATE PROFESSOR, otolaryngology:** The Department of Otolaryngology at the University of California, Davis, School of Medicine, is recruiting a basic Scientist to develop a research program in head and neck oncology in the genetic and molecular mechanisms that regulate cell growth or program cell death. This position is in the tenure track at the Assistant/Associate Professor level. Candidates are required to have a Ph.D. or M.D. degree and will need to demonstrate evidence of the ability to develop an independent research program with extramural funding. Candidates will be expected to fully participate in the teaching program of the Department, including supervision of resident research projects. This position represents an opportunity to develop an independent basic science program while interacting with faculty and residents interested in translating basic research into clinical trials.

Please send a statement of research interest, curriculum vitae, and names of three references to: **Katherine Kendall, M.D., Assistant Professor, Otolaryngology, 2521 Stockton Boulevard, Suite 7200, Sacramento, CA 95817. Telephone: 916-734-3729; e-mail: [katherine.kendall@ucdmc.ucdavis.edu](mailto:katherine.kendall@ucdmc.ucdavis.edu).** This position will be open until filled but not later than February 28, 2001. *The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### TWO FACULTY POSITIONS IN BIOPHYSICS WAKE FOREST UNIVERSITY

The Wake Forest University Physics Department invites applications for two tenure-track positions at the rank of **ASSISTANT PROFESSOR** to begin in August 2001. One opening is for a theoretical or computational Biophysicist. The other opening is for an experimental Molecular or Cellular Biophysicist. Examples of research areas include structural biophysics (NMR, X-ray spectroscopy, microscopy) and the physics of medical imaging. Successful candidates will be expected to excel in undergraduate and graduate teaching of physics and biophysics, to establish an independent research program, and to attract external funding. Collaboration with researchers in chemistry, biology, computer science, or the Wake Forest University Medical School will be encouraged.

Applicants should send curriculum vitae, teaching philosophy, and research plan. They should have three references send letters that evaluate the applicant's potential for teaching and research. Applications are due by January 5, 2001, addressed to: **Chair, Search Committee, Department of Physics, Wake Forest University, Winston-Salem, NC 27109-7507.** More information is available at [website: http://www.wfu.edu/physics/recruiting](http://www.wfu.edu/physics/recruiting). *Wake Forest University is an Equal Opportunity/Affirmative Action Employer.*

### FACULTY POSITIONS IN PHARMACOLOGY

The Department of Pharmacology at The University of Texas Southwestern Medical Center seeks applications for a tenure-track position at the level of **ASSISTANT PROFESSOR**. Competitive applicants must have a relevant Ph.D. or M.D. degree, postdoctoral training, and show evidence of firm commitment to a career in independent research.

We are particularly interested in strong candidates with an appropriate background who wish to apply techniques of molecular or cellular biology, biochemistry, or physiology to fundamental problems of pharmacological interest. A superb start-up package and excellent research facilities are available. Responsibilities will also include teaching of medical and/or graduate students after the first year of employment.

Send curriculum vitae and a brief description of proposed research to:

**Dr. Alfred G. Gilman, Chairman  
Department of Pharmacology/Recruitment  
The University of Texas  
Southwestern Medical Center  
5323 Harry Hines Boulevard  
Dallas, TX 75390-9041**

*An Equal Opportunity/Affirmative Action Employer.*

**PHYSICIAN-SCIENTIST, NEPHROLOGY.** The University of Pennsylvania seeks an individual at the **ASSISTANT or ASSOCIATE PROFESSOR** level in the tenure-track (M.D. and/or M.D./Ph.D.) who will develop/bring a basic science research program into an already active division currently including eight laboratory-based faculty, nine clinical faculty, and 15 Postdoctoral Fellows. Competitive multi-year financial packages will be offered to enable the successful applicant to establish their research program. While applicants should be Board certified or Board eligible in nephrology, this position involves a major commitment to research and the training of research-oriented Postdoctoral Fellows. The Division is particularly interested in research programs in the molecular genetics of renal disease, cell signaling, and immunologic mechanisms of disease. Academic rank will be commensurate with credentials and experience. Interested individuals should forward a description of their research program with curriculum vitae and names of three references to: **Laurence A. Turka, M.D., Chief, Renal Electrolyte and Hypertension Division, University of Pennsylvania, 700 Clinical Research Building, 415 Curie Boulevard, Philadelphia, PA 19104-6144.** *The University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

# *fellowships*

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

## AAAS Science + Technology Policy Fellowships 2001:02 >>>

**What >>>** Help shape science and technology policy in Washington, DC: Contribute scientific and technical information and external perspectives to federal decision-making, while learning how government works. The AAAS fellowship programs provide a unique participatory public policy experience for scientists and engineers, through one-year assignments involving domestic and international science policy issues in the Congress and several executive branch agencies. Stipends typically range from \$48,000 to \$52,000.

**Who >>>** Applicants must have a Ph.D. or equivalent doctoral-level degree in any physical, biological or social science, any field of engineering, or any relevant interdisciplinary field. Engineers with master's degrees and three years of post-degree experience also may apply. U.S. citizenship is required. Federal employees are not eligible. Approximately 50 fellowships are awarded each year in nine different programs.

**When >>>** The fellowship year begins September 1, 2001. Fellows attend a two-week orientation before beginning their assignments and participate in a year-long seminar series on topics relevant to science, technology, and public policy. **Application deadline is January 10, 2001.**

**Where >>>** Fellows are placed in the Congress, the National Science Foundation, the National Institutes of Health, the Department of State, the Department of Defense, the Agency for International Development, the Environmental Protection Agency, the Department of Agriculture, the Food and Drug Administration, the Department of Justice, and other federal offices.

**Why >>>** AAAS sponsors these programs to provide the opportunity for accomplished and societally-aware scientists and engineers to participate in and contribute to the public policy-making process of the federal government. The programs include:

- |  |   |   |
|--|---|---|
| + Congressional Fellows                    | + Diplomacy Fellows                           | + Environmental Fellows                       |
| + AAAS/NIH Science Policy Fellows          | + Defense Policy Fellows                      | + Risk Policy Fellows                         |
| + AAAS/NSF Science and Engineering Fellows | + Science, Justice, and Public Policy Fellows | + Roger Revelle Fellows in Global Stewardship |

**How >>>** For application instructions and further information: [fellowships.aaas.org](http://fellowships.aaas.org). AAAS Science and Technology Policy Fellowship Programs, 1200 New York Avenue, NW, Washington, DC 20005 • Phone 202/326-6700 • E-mail [science\\_policy@aaas.org](mailto:science_policy@aaas.org)  
Underrepresented minorities and persons with disabilities are encouraged to apply.

» [fellowships.aaas.org](http://fellowships.aaas.org)





## POSITIONS OPEN

### FACULTY POSITION PROGRAM ON MEMBRANE PROTEINS Department of Human Biological Chemistry and Genetics

With initial funding from the Howard Hughes Medical Institute, the University of Texas Medical Branch (UTMB) has established a multidisciplinary program focused on membrane proteins. Faculty in the program are to be found in the departments of Human Biological Chemistry and Genetics, Physiology and Biophysics, Microbiology and Immunology, Pharmacology and Toxicology, and Pathology. To complement these, several new faculty working on problems involving membrane-associated proteins will be recruited.

As part of this interactive program, the Department of HBC and G invites applications for a **TENURE-TRACK POSITION**. Candidates should possess a Doctoral-level degree, and their work should include genetic/genomic approaches to major issues in membrane protein biology. Work on any relevant organism is acceptable. The Department of HBC and G is a large, diverse department with strong, funded research programs in protein folding, steroid hormone actions, biochemistry of aging, DNA replication and repair, cell cycle regulation, cancer, macromolecular interactions, signal transduction mechanisms, and structural biology.

The successful applicant, in addition to being a faculty member of HBC and G, will receive membership in the program's Membrane Protein Laboratory. HBC and G and MPL faculty are currently overexpressing, purifying, and crystallizing membrane proteins; they are applying genetic, biophysical, and X-ray crystallographic methods in a structure-based approach to elucidate the mechanisms of membrane protein function.

Please send current curriculum vitae and publication list, a concise statement of research interests, and the names and addresses of at least three references to: **Tom Wood, Ph.D., Chairman of Recruiting Committee, Department of HBC and G, 301 University Boulevard, UTMB, Galveston, TX 77555-0645.** Hyperlink: e-mail: [bthompso@utmb.edu](mailto:bthompso@utmb.edu) and/or [tgwood@scms.utmb.edu](mailto:tgwood@scms.utmb.edu). UTMB is an Affirmative Action/Equal Opportunity Employer; Minority/Female/Disabled/Veteran.

### CHAIRMAN Department of Genetics and Development Columbia University College of Physicians and Surgeons

Columbia University Health Sciences campus seeks a dynamic individual of international prominence to assume leadership of its Department of Genetics and Development. Columbia University has a long and distinguished history in genetics. The Department has trained outstanding researchers and scholars who uncover new knowledge about basic mechanisms in genetics, development, and human disease.

There are 20 full-time faculty and three adjunct faculty based elsewhere. A broad-based training program is in place. The faculty directs the affiliated Genome Center and the Institute for Cancer Genetics. Active collaborative research exists with both clinical and basic science departments. The faculty is also involved in the animal faculty responsible for transgenic animals.

The successful candidate will be expected to maintain the outstanding programs of research and training and to lead the Department during this new era when rapid growth in all aspects of genetics and development is expected.

Forward applications and nominations to: **Genetics and Development Search Committee, c/o Richard Mayeux, M.D., M.Sc., Gertrude H. Sergievsky Center, Columbia University, 630 West 168th Street, New York, NY 10032.** We take Affirmative Action toward Equal Employment Opportunity. Applications from women and minority groups are encouraged.

## POSITIONS OPEN

### MOLECULAR MICROBIAL ECOLOGIST

The Biology Department at the University of New Mexico seeks applicants for a full-time, tenure-track position at the **ASSISTANT PROFESSOR** level in the area of molecular microbial ecology to begin January 2002. Applicants must have a Ph.D. in biology or a related discipline at the time of appointment. Individuals working with microbial communities in aquatic or terrestrial ecosystems and utilizing molecular methods are encouraged to apply. We seek an outstanding individual who complements the activities of other Ecologists, Microbiologists, and Molecular Biologists in the Department and is enthusiastic about working in a broad integrative biology department. The individual hired will be expected to develop a vigorous, independent research program and contribute to teaching in the undergraduate core through graduate level. Additional information is available at **website: <http://biology.unm.edu/>**. Applicants must send a letter, curriculum vitae, at least three letters of reference, description of research and teaching interests, and recent reprints to: **Molecular Microbial Ecology Search Committee, Department of Biology, University of New Mexico, Albuquerque, NM 87131 U.S.A. FAX: 505-277-0304; Telephone: 505-277-9740.** Deadline for receipt of application materials is January 5, 2001. UNM is an Equal Opportunity/Affirmative Action Employer and Educator. Members of underrepresented groups are encouraged to apply.

### EXECUTIVE DIRECTOR SAN FRANCISCO ESTUARY INSTITUTE

The San Francisco Estuary Institute, a vital, growing nonprofit research organization that conducts scientific monitoring and research in the waters, wetlands, and watersheds of the Francisco Bay area, seeks full-time Executive Director. Responsibilities include providing scientific vision and leadership in program planning; directing a diverse array of Scientists (staff of 35 including eight Ph.D.s, 10 M.S.s); overseeing a budget of \$4.5 million; and representing the Institute in regional environmental policy, research, and regulatory arenas. The successful candidate will demonstrate scientific leadership, management skill and experience, a record of success in obtaining extramural funding, highly developed communications skills, and the ability to work with a diverse Board of Directors. Salary commensurate with qualifications; excellent benefits. Federal government IPA can be considered. Send curriculum vitae and letter of up to four pages to: **ED Search Committee, SFEI, 1325 South 46th Street, Richmond, CA 94804.** E-mail: [gabriele@sfei.org](mailto:gabriele@sfei.org) and put ED SEARCH in subject line. Detailed information about the position and the Institute can be found at **website: <http://www.sfei.org>**. Equal Opportunity Employer.

The University of California, San Diego, Department of Chemistry and Biochemistry invites applications for a tenure-track/tenured faculty position in environmental chemistry (in the broad sense) with a strong preference for candidates at the **ASSISTANT PROFESSOR** level. All research areas of chemistry or biochemistry focusing on environmental problems will be considered. The candidate will be expected to teach environmental chemistry in the Department's newly established major in environmental chemistry. Applicants must have a Ph.D. or equivalent degree in a field related to environmental chemistry. Candidates should send curriculum vitae, list of publications, a statement of teaching experience, and a detailed research proposal to: **Chair, Environmental Search Committee 3-790S, University of California, San Diego, Department of Chemistry and Biochemistry, La Jolla, CA 92093-0332.** Candidates should also arrange to have three letters of reference sent under separate cover. Review of applications will begin December 1, 2000, and continue until the position is filled. Salary to be commensurate with qualifications and based on the University of California salary scale. *University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.*

## POSITIONS OPEN

### GEORGETOWN UNIVERSITY

Georgetown University seeks nominations and applications for the position of **DEAN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES**.

The Graduate School offers advanced degrees in 33 programs, including Doctorates in eighteen disciplines, and enrolls approximately 3,000 students. Further information about the Graduate School is available via its **website: <http://georgetown.edu/grad/>**.

The core responsibilities of the position include the administration and promotion of graduate education and research in the arts and sciences on the Main Campus and at the Medical Center. The Dean of the Graduate School reports to the Provost and supervises three Associate Deans and a staff of 14. The successful candidate will have a strong background in academic administration and a distinguished record in research and teaching.

The appointment will begin July 1, 2001. Review of candidates will begin November 30, 2000. Full applications should include a letter of application; current curriculum vitae; and the names, addresses (e-mail addresses are acceptable), and telephone numbers of four references. Nominations and applications will be held in strict confidence. They should be sent to: **Professor J.R. McNeill, Chair, Graduate Dean Search Committee, c/o Office of the Provost, Intercultural Center Suite 650, Georgetown University, Washington, DC 20057-1014.**

*Georgetown University is an Affirmative Action/Equal Opportunity Employer.*

Applications are invited for faculty positions at The University of Alabama at Birmingham (UAB). Investigators/Physician Investigators: M.D., Ph.D., or M.D./Ph.D. Investigators with an interest in immunology and molecular biology are invited to apply for **RESEARCH ASSISTANT PROFESSOR OF MEDICINE** (nontenure-track) and **ASSISTANT PROFESSOR OF MEDICINE** (tenure-track) positions. Successful applicants will be expected to develop a research program focused on immunology and autoimmunity including analysis of transgenic and knockout mice, of cell surface receptors and their function, and of apoptosis pathways *in vitro* and *in vivo*. Applicants should have extensive knowledge of current problems in immunology.

Clinician/Clinical Investigator: M.D. or M.D./Ph.D. Investigators with an interest in autoimmune diseases may apply for a position as **ASSISTANT PROFESSOR OF MEDICINE** (tenure track). Successful applicants will develop clinical research programs in autoimmunity and rheumatic diseases. Interested applicants should send their curriculum vitae to: **Robert P. Kimberly, M.D., Director, Division of Clinical Immunology and Rheumatology, UAB, Tinsley Harrison Tower, Room 429, Birmingham, AL 35294-0006.** The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

**CHAIRMAN, BIOMEDICAL ENGINEERING**, The University of Memphis: The Department of Biomedical Engineering, a partner in the Joint Program in Biomedical Engineering with The University of Tennessee, School of Biomedical Engineering, invites applications for the position of Chairman. The Joint Program has 17 faculty members and 80 graduate students. For more information, see **website: [www.people.memphis.edu/~herffcoll/frame.html](http://www.people.memphis.edu/~herffcoll/frame.html)**. Applicants should send their curriculum vitae and names and addresses of three references to: **Robert Malkin, Search Committee Chair, Joint Program in Biomedical Engineering, 330 Engineering Technology, The University of Memphis, Memphis, TN 38152-3210.** Review of applications will begin November 1, 2000, and will continue until the position is filled. The University of Memphis is an Equal Opportunity/Affirmative Action Employer.

**Staff Scientist  
Proteomics/Developmental Biology**

**National Institutes of Health  
Bethesda, MD**

A Staff Scientist position is available to study the biosynthesis and function of glycoproteins during craniofacial development. The successful candidate will work under the supervision of a tenured senior investigator but will have opportunity to develop independent research questions. Individuals should have documented experience in one or more of the following: eukaryotic molecular biology (molecular cloning; targeting vector design; transgenesis); proteomic discovery (mass spectrometry; gene and/or protein arrays; protein or small molecule combinatorial libraries; yeast two-hybrid) or characterization of animal models of development. For a description of the laboratory's work, see <http://www.niddk.nih.gov/intram/people/ltabak.htm>. The laboratory will be located in a newly built research building in which laboratories from several NIH institutes engaged in developmental biology, structural biology, mass spectrometry, biochemistry, cell and molecular biology and genomics research will be housed. For more information about the new building, see [http://des.od.nih.gov/building\\_50/welcome\\_overview.htm](http://des.od.nih.gov/building_50/welcome_overview.htm). Applicants should have earned a Ph.D., D.D.S./D.M.D., M.D. or equivalent and have relevant postdoctoral level experience in biochemistry, cell or molecular biology. Salary will be commensurate with past experience.

To apply, please send your curriculum vitae, a summary of research interests and goals, and have three letters of recommendation sent to:

**Dr. Lawrence A. Tabak  
National Institutes of Health  
31 Center Drive, MSC 2290  
Building 31, Room 2C39  
Bethesda, MD 20892-2290  
Email: [Lawrence.Tabak@nih.gov](mailto:Lawrence.Tabak@nih.gov)**

Application materials must be received no later than December 31, 2000.

*NIH is an Equal Opportunity Employer*



**Food and Drug Administration  
Director, Food Safety**

The Food and Drug Administration (FDA) is seeking candidates for the position of Director, Food Safety, Center for Food Safety and Applied Nutrition (CFSAN). The incumbent is responsible for the planning, management and direction of the President's Food Safety Initiative (FSI). The incumbent serves as the Center's chief spokesperson and provides senior policy direction on food safety issues. He/she will manage a coordinated national and international approach to reducing the incidence of food borne illness and disease threats in the United States through better coordination, enhanced surveillance systems, upgraded inspection strategies, improved scientific and risk assessment capabilities and education. Candidates should have an M.D. degree from an approved medical school or an advanced degree in a relevant scientific field and/or public health. Candidates must have training and experience related to food borne illnesses and infectious diseases and training and experience in epidemiology, public health, or preventive medicine. The salary range is \$115,811 to \$157,000. The position is located in Washington, DC. For further information, please contact Laura Taylor at (301) 827-4178 or the Office of Personnel Management website at [www.usajobs.opm.gov](http://www.usajobs.opm.gov). Submit application material by February 12, 2001 to:

**Laura Taylor  
Office of Human Resources and Management Services  
Food and Drug Administration  
Room 7B-32, HFA-408, Parklawn Building  
5600 Fishers Lane, Rockville, MD 20857**

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**Experimental Pathologists**

Our Molecular Immunology Department is seeking two Experimental Pathologists to join our multi-disciplinary team in Discovery Research to design and interpret efficacy models on drug development candidates. To qualify, you must have a DVM or MD and a Ph.D., and AVCP board certification in Pathology along with expertise in the application of molecular and cellular pathology techniques to experimental disease models. Specialized research training and diagnostic skills will be required to examine (necropsy, histopathology, clinical pathology, cytology, and electron microscopy) and report investigative and anatomic pathology results. Experience in either developmental biology, vascular biology, oncology or immunology is desirable. Well-developed communication and computer skills also required.

In addition to the tremendously rewarding environment, you will enjoy an exceptional compensation and benefits package. Please submit a resume (Immunex utilizes scanning technology), specifying Job Number 00-0183 /00-0238, to: **Immunex Corporation, 51 University Street, Seattle, WA 98101;**  
**e-mail: [job-info@immunex.com](mailto:job-info@immunex.com).** Immunex is an equal opportunity employer committed to diversity.

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**[www.immunex.com/careers](http://www.immunex.com/careers)**

Immunex is an equal opportunity employer committed to diversity.

## POSITIONS OPEN

### FACULTY POSITIONS IN ENVIRONMENTAL NEUROBIOLOGY Oregon Health Sciences University (OHSU)

The Center for Research on Occupational and Environmental Toxicology ([website: http://www.croetweb.com](http://www.croetweb.com)) invites applications for one or more faculty positions at the equivalent of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. We seek individuals using leading-edge methods (e.g., genomics, proteomics) to help define the causal basis of sporadic neurodegenerative disease, notably the suspected interplay of environmental and genetic triggers. Ability to develop and sustain a vigorous, independent research program is paramount as is a commitment to graduate and postdoctoral training. CROET is a multidisciplinary research institute that contributes to the rich community of basic and clinical neuroscientists at OHSU. Applicants should send curriculum vitae; statement of research plans; and three letters of reference by December 4, 2000, to: **Faculty Search, CROET, L606, OHSU, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201**. OHSU is an Affirmative Action/Equal Opportunity Employer.

**ANIMAL PHYSIOLOGIST AND EVOLUTIONARY BIOLOGIST.** The Department of Biology at The University of Akron invites applications for two tenure-track positions at the rank of **ASSISTANT PROFESSOR** to begin August 27, 2001. Salary is competitive and significant research support is provided. Candidates must hold a Ph.D. degree and postdoctoral experience is preferred. Each candidate will be expected to develop an externally funded research program in his/her area of expertise, advise graduate students, and teach undergraduate and graduate courses. The University of Akron is one of the largest state universities in Ohio with about 23,500 students. For further information, visit the Department's [website: http://www.uakron.edu/biology/](http://www.uakron.edu/biology/). Review of applications will begin December 15, 2000. Applicants should submit curriculum vitae, a summary of teaching interests, a research statement, copies of recent publications, and three letters of recommendation to: **Jerry Stinner, Chair, Department of Biology, The University of Akron, Akron, OH 44325-3908**. The University of Akron is an Equal Employment and Equal Education Institution.

### POSTDOCTORAL POSITION Molecular Oncology/ Experimental Therapeutics

Research focuses on studying mechanism(s) of action and resistance of anticancer agents targeting tubulin and on role of tubulin/microtubules in intracellular trafficking and signal transduction. Molecular/cell biology background required. Interested individuals should submit complete curriculum vitae, a brief description of research interests, and career goals to: **Paraskevi Giannakakou, Ph.D., Winship Cancer Institute, Emory University School of Medicine, 1365-B Clifton Road, N.E., Atlanta, GA 30322**. E-mail: [paraskevi\\_giannakakou@emory.org](mailto:paraskevi_giannakakou@emory.org). Review of applications will begin immediately and will continue until the position is filled. Emory University is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

### POSTDOCTORAL FELLOW

Two Postdoctoral positions in molecular biology available now to study phosphoproteins and kinases of calcified tissues. Projects include cloning of new, novel phosphoproteins and site-directed mutagenesis. Send research interests, curriculum vitae, and contact information for three references to: **Melvin J. Glimcher, M.D., Department of Orthopedic Surgery, Harvard Medical School, Children's Hospital, 300 Longwood Avenue, Boston, MA 02115**. Telephone: 617-247-5164; FAX: 617-236-7149; e-mail: [glimcher@al.tch.harvard.edu](mailto:glimcher@al.tch.harvard.edu). Equal Opportunity Employer/Affirmative Action.

## POSITIONS OPEN

### FACULTY POSITION IN MOLECULAR BIOSCIENCES WASHINGTON STATE UNIVERSITY

The School of Molecular Biosciences is seeking to fill a tenure-track **ASSISTANT or ASSOCIATE PROFESSOR** position beginning August 2001 or later. Applicants should have research interests and experience in protein structure/function that would complement existing departmental strengths. Candidates should have a Ph.D. in biochemistry, chemistry, or a related discipline; postdoctoral training; ability to communicate effectively with students and colleagues; and a record indicating outstanding abilities and potential in research and teaching. The successful candidate will be expected to develop and maintain a vigorous research program supported by extramural funding, train graduate students, and participate in graduate and undergraduate teaching. Applicants will be considered for the position at the **ASSOCIATE PROFESSOR** level if exceptionally qualified and experienced. Screening of applicants will begin December 1, 2000, and continue until the position is filled. Send letter of application; curriculum vitae; a statement of current and long-term research interests; and arrange for three letters of reference addressing research potential, teaching, and communication skills to be sent to: **Dr. Toshiko Ichiye, Search Committee Chair, School of Molecular Biosciences, Washington State University, Pullman, WA 99164-4660**. (See [website: http://molecular.biosciences.wsu.edu](http://molecular.biosciences.wsu.edu).) Washington State University is an Equal Employment Opportunity/Affirmative Action Educator and Employer. Protected groups are encouraged to apply. Washington State University employs only U.S. citizens and lawfully authorized non-U.S. citizens.

### ASSISTANT/ASSOCIATE PROFESSOR MICROBIAL ECOLOGIST/ EXTRACELLULAR MATRIX BIOLOGY University of Delaware Biological Sciences

Two tenure-track faculty positions at the Assistant/Associate Professor level are available for individuals utilizing molecular or genetic approaches to study microbial interactions with extracellular matrix (ECM) or cell surface components in plant or animal systems. Interests may include the impact on signal transduction, gene expression, or other aspects of cell physiology as a result of normal or pathogenic fungal, bacterial, or viral interactions. Requirements: Ph.D. or equivalent and three years of postdoctoral experience. Outstanding candidates are sought with a strong commitment to both research and education at the graduate or undergraduate level and a record of extramural funding. Contact: Submit complete curriculum vitae, a description of research interests, and the names of three references by December 15, 2000, to: **Dr. David Smith, Faculty Search Committee, Department of Biological Sciences, University of Delaware, Newark, DE 19716-1590**. The starting date for these positions is September 1, 2001. For additional information, contact [website: http://www.udel.edu/bio](http://www.udel.edu/bio). Review of applications will begin upon receipt. The University of Delaware is an Equal Opportunity Employer that encourages applications from minority group members and women.

### POSTDOCTORAL POSITION

A Postdoctoral position is available to study the molecular pathogenesis of hepatitis C virus (HCV) using reverse genetics and molecular techniques. Candidates with expertise in RNA viruses, transgenic mice, or protein expression and purification are encouraged to apply. Applicants with recent Ph.D., M.D., or equivalent degrees should send their curriculum vitae, a brief description of research interests, and a list of three references to: **Dr. Guang-Xiang Luo, Department of Microbiology and Immunology, College of Medicine, University of Kentucky, MS-415 Medical Center, Lexington, KY 40536-0298**. FAX: 859-257-8994; e-mail: [gluo0@pop.uky.edu](mailto:gluo0@pop.uky.edu). University of Kentucky is an Equal Opportunity Employer.

## POSITIONS OPEN

### FALL 2001 FACULTY POSITIONS CHEMISTRY AND BIOCHEMISTRY

The Department of Chemistry and Biochemistry at Worcester Polytechnic Institute (WPI) solicits applications for an anticipated tenure-track position at the **ASSISTANT PROFESSOR** level to begin in August 2001. WPI is an innovative technological university of engineering, science, management, the humanities and arts, and the social sciences, situated in Worcester, Massachusetts, with an enrollment of 2,700 undergraduate and approximately 1,100 full- and part-time graduate students. Candidates in the areas broadly defined as either inorganic or organic chemistry and who are able and willing to teach general chemistry and courses in inorganic or organic chemistry are invited to apply. Requirements: Ph.D. and postdoctoral experience required. The successful applicant will be expected to develop an externally funded, nationally recognized research program and to provide energetic and innovative teaching at the undergraduate and graduate levels.

To apply, please submit a complete résumé, a three-page statement of research plans, and a one-page statement of teaching experience and philosophy. Arrange to have three letters of recommendation sent directly to:

**Chair, Faculty Search Committee  
Department of Chemistry and Biochemistry  
Worcester Polytechnic Institute  
100 Institute Road  
Worcester, MA 01609-2280**

Review of applications will begin immediately and continue until a suitable candidate is identified. Information on the Department can be found at our [website: http://www.wpi.edu/Academics/Depts/Chemistry/](http://www.wpi.edu/Academics/Depts/Chemistry/).

To enrich education through diversity, WPI is an Affirmative Action/Equal Opportunity Employer.

### TENURE-TRACK ASSISTANT PROFESSOR OF BIOLOGY

University of Hawaii at Hilo invites applications for a full-time, tenure-track, nine-month position to begin approximately August 2001 pending position clearance and funding. Duties include teaching undergraduate courses in ecology, evolution, botany, biostatistics and/or general biology, and area of specialty; teach laboratories for the above courses; advise students; engage in scholarly activities; and perform service to the University and community. The positions require a Ph.D. in biology or closely related field from an accredited college or university. It is desired to have teaching and research experience in terrestrial plant ecology, evolution, and/or conservation biology; familiarity with Hawaiian or other tropical biota; postdoctoral research experience; experience in supervising undergraduates; and publications relevant to the specialties mentioned above. Salary is commensurate with qualifications. Send letter of application, curriculum vitae, statement of current and future professional interests, up to three recent publications, and arrange to have three letters of recommendation sent to: **Dr. Don E. Hemmes, Chair, Biology Department, University of Hawaii at Hilo, 200 West Kawili Street, Hilo, HI 96720-4091**. For additional information, e-mail: [hemmes@hawaii.edu](mailto:hemmes@hawaii.edu). Review of candidates will begin on December 20, 2000, and continue until position is filled. An Equal Employment Opportunity/Affirmative Action Institution.

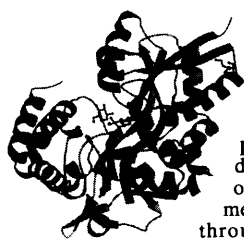
### ASSOCIATE STATISTICIAN

The Metropolitan Water Reclamation District of Greater Chicago is accepting applications for position of Associate Statistician. Requirements: Master's in statistics, applied mathematics, or systems design; knowledge of biology and chemistry as applied to wastewater treatment processes; environmental monitoring data; programming languages, databases, and spreadsheet applications including SAS statistical software. For information and application, visit our [website: www.mwrdgc.dst.il.us](http://www.mwrdgc.dst.il.us) or contact us at Telephone: 312-751-5100.



## POSTDOCTORAL FELLOWSHIP

### High-Throughput Protein Expression and Purification



A postdoctoral position is available for a recent Ph.D. to participate in the development and optimization of methods for high-throughput protein expression and purification using multiple affinity tags. More information about this project can be found at the Web sites [nmrweb.ncifcrf.gov/PSB/whugh.html](http://nmrweb.ncifcrf.gov/PSB/whugh.html) and [www.ncifcrf.gov/plague](http://www.ncifcrf.gov/plague). Applicants must have a solid background in a related scientific discipline, a good publication record, and strong recommendations to be considered for this fellowship. The salary range for this position is \$29,000-\$36,000. Cover letter and curriculum vitae may be faxed to 301-846-7148; e-mailed to [waughd@ncifcrf.gov](mailto:waughd@ncifcrf.gov); or mailed to:

David S. Waugh, Ph.D.  
Program in Structural Biology  
NCI-FCRDC  
P.O. Box B  
Frederick, MD 21702



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## Curator of Malacology

The Natural History Museum of Los Angeles County invites applications for the position of Full, Associate, or Assistant Curator, to direct its research and collections program in Malacology. The museum has world-class holdings of mollusks, with special strength in marine taxa from the eastern Pacific, including more than 1,700 type lots, and it boasts a rich record of contributions to molluscan systematics.

We seek an individual who will augment a productive and internationally recognized collections-based research program in malacology. The area of taxonomic specialization is open. The successful candidate will be expected to implement innovative methodologies and techniques of molluscan research, further develop the collection, contribute to the Museum's public programs (education and exhibits), and become successful in obtaining grants to assist in the support of their research and the Museum's collection. A Ph.D. in an appropriate discipline is required.

Applicants should send a curriculum vitae, statement of interest and professional goals, and the names and addresses of three references by December 1, 2000, to: **Dr. Gordon Hendler, Chair – Department of Invertebrate Zoology, Natural History Museum of Los Angeles County, 900 Exposition Boulevard, Los Angeles, California 90007.** The Museum is an equal opportunity employer.



NATURAL HISTORY MUSEUM  
OF LOS ANGELES COUNTY



### Cancer Center Director University of Missouri-Columbia

The University of Missouri-Columbia (MU) invites applications for the newly-created position of Cancer Center Director. This individual will provide leadership and vision for an initiative to expand an established high-quality treatment and research facility, the Ellis Fischel Cancer Center, into an integrated, University-wide, multidisciplinary cancer research center able to achieve National Cancer Institute designation as a Comprehensive Cancer Center. The Director will report directly to the Vice Chancellor for Health Affairs, Dr. Daniel H. Winship.

MU is an AAU, land-grant, Carnegie-I Research University. A number of units contribute to cancer research, education, and care, including the Ellis Fischel Cancer Center and the Colleges/Schools of Medicine, Nursing, Veterinary Medicine, Arts and Sciences, Agriculture, Engineering, and Journalism. MU also operates the most powerful and highly-utilized university research reactor in the nation, the University of Missouri Research Reactor Center (MURR), a source of radionuclides for cancer research and therapy.

Successful candidates must possess a PhD and/or MD degree or the equivalent, meet requirements for full professor with tenure, have a record of significant and widely-recognized research accomplishments in the broad field of cancer biology or medicine, and the vision and administrative capacity to meld diverse elements into a functioning whole.

Interested individuals should submit a curriculum vitae and letter of interest to **Dr. Joe N. Kornegay, Dean, College of Veterinary Medicine and Chair of the Search Committee, c/o Ms. Sharon Smith, MA204 Medical Science Building, DC018.00, One Hospital Drive, Columbia, MO 65212.** Review of applications will begin January 1, 2001, and will continue until the position is filled.

The University of Missouri is an Affirmative Action/Equal Opportunity employer. To request ADA accommodations, please contact our ADA Coordinator at 573/884-7278, or [adawww@showme.missouri.edu](mailto:adawww@showme.missouri.edu).



## DEPARTMENT OF BRAIN & COGNITIVE SCIENCES

The MIT Department of Brain and Cognitive Sciences anticipates making a new tenure-track appointment in theoretical/experimental neuroscience at the Assistant Professor level. Candidates should combine a strong mathematical background and an active research interest in the modeling of specific cellular- or systems-level phenomena with appropriate experiments. Individuals whose research focuses on properties of single neurons or networks of neurons are especially encouraged to apply. We are also interested in individuals working on bioinformatics in neuroscience.

Responsibilities include graduate and undergraduate teaching and research supervision. Applications should include a brief cover letter stating the candidate's research and teaching interests, a vita, three letters of recommendation, and representative reprints, and should be sent to: **Theoretical/Experimental Neuroscience Search Committee, Dept. of Brain & Cognitive Sciences, E25-406, MIT, Cambridge, MA 02139.** Review of applications will begin December 15, 2000. Qualified women and minority candidates are especially encouraged to apply. MIT is an Affirmative Action/Equal Opportunity employer.



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[web.mit.edu/personnel/www](http://web.mit.edu/personnel/www)

## POSITIONS OPEN

### PLANT BIOLOGY ASSISTANT PROFESSORSHIPS

The Department of Organismic and Evolutionary Biology of Harvard University invites applications for two faculty positions at the **ASSISTANT PROFESSORIAL** level to begin July 1, 2001. Initial appointment is for a term of five years, with possibility of promotion (including to tenure). We seek to make appointments of individuals who will develop innovative research programs as well as contribute to teaching at the graduate and undergraduate levels. The search is cast broadly across the subdisciplines of plant biology, including but not limited to population level processes, morphological and/or developmental evolution, the interface of functional and morphological evolution with genetic mechanisms, and plant diversity. For further information about the Department, see [website: http://www.oeb.harvard.edu](http://www.oeb.harvard.edu); for the Harvard University Herbaria, see [website: http://www.herbaria.harvard.edu](http://www.herbaria.harvard.edu).

Applicants should submit curriculum vitae and request three supporting letters to be received by December 15, 2000, to:

**Professor Farish A. Jenkins, Jr.**  
Department of Organismic and  
Evolutionary Biology  
Harvard University  
26 Oxford Street  
Cambridge, MA 02138

*Harvard University is an Affirmative Action/Equal Opportunity Employer.*

### MOLECULAR BIOLOGIST/ MOLECULAR GENETICIST

The Department of Biology at the University of Missouri-St. Louis invites applications for two tenure-track positions in molecular biology/molecular genetics at the **ASSISTANT or ASSOCIATE PROFESSOR** level beginning August 2001. Applicants must have a Ph.D. and at least two years of postdoctoral experience. Research in all areas of molecular or cellular biology except mammalian systems will be considered. Candidates whose research focuses on microbiology or plant molecular biology will be given particular consideration. Each successful candidate will be expected to establish a strong, externally funded research program and teach undergraduate and graduate courses in the molecular biology curriculum. Applicants should submit curriculum vitae, a statement of research plans and teaching interests, and three letters of reference to: **Molecular Biology Search Committee, Department of Biology, University of Missouri-St. Louis, 8001 Natural Bridge Road, St. Louis, MO 63121-4499**. Review of applications will begin on December 1, 2000. *The University of Missouri-St. Louis is an Affirmative Action/Equal Opportunity Employer committed to excellence through diversity.*

### ASSISTANT PROFESSOR

The Department of Biological Sciences at Salisbury State University is accepting applications for a tenure-track position, **MICROBIOLOGIST**, at the rank of Assistant Professor starting in fall 2001. Ph.D., evidence of teaching and research excellence, and fluency in English are required. In addition to teaching introductory and upper-level undergraduate courses for biology majors, the successful applicant will be expected to serve as advisor to undergraduate students, engage in scholarly professional activities, sponsor undergraduates in research, and perform all other faculty functions in a collegial manner. Salary is competitive and commensurate with expertise. Forward curriculum vitae; research interests; all official transcripts; and three letters of reference by December 31, 2000, to: **Dr. Mark F. Frana, Chair, Microbiology Search Committee, Department of Biological Sciences, Salisbury State University, Salisbury, MD 21801**. Further information about Salisbury State University and the Department of Biological Sciences is available at [website: http://www.ssu.edu](http://www.ssu.edu). *Salisbury State University is an Equal Opportunity Employer. Qualified women, minorities, and disabled persons are encouraged to apply.*

## POSITIONS OPEN

**Engineering:** The Department of Biomedical Engineering at Tulane University invites nominations and applications for an **ENDOWED POSITION**, the Alden J. Laborde Professor of Biomedical Engineering, which will be available beginning July 1, 2001. This Endowed Chair, newly dedicated to the Department of Biomedical Engineering, will allow us to add breadth and depth to our existing research and teaching activities in biomechanics, biomaterials, bioelectricity and bioelectronics, cell and tissue engineering, and design. Strategic growth areas that have been targeted by the Department include polymeric biomaterials, experimental electrophysiology, biotransport, and design; we especially encourage applications from candidates with interests in one of these areas. The Department, founded in 1977, presently has 12 full-time faculty members, an ABET-accredited undergraduate program with approximately 175 undergraduate majors, and 50 graduate students. Candidates should be established leaders in their field, with a record of research and teaching accomplishments that would make them eligible for appointment as a **FULL PROFESSOR** in biomedical engineering. We plan to begin interviews with the top candidates by January 15, 2001. However, the search will continue until the position is filled. Send nominations or applications to: **Richard T. Hart, Ph.D., Faculty Search Committee, Department of Biomedical Engineering, Boggs Center, Suite 500, Tulane University, New Orleans, LA 70118-5674**. Applicants should include a description of current and planned research and teaching activities along with current curriculum vitae and the names and addresses of three references. More information about the Department of Biomedical Engineering can be found at [website: http://www.bmen.tulane.edu](http://www.bmen.tulane.edu). *Tulane University is an Affirmative Action/Equal Opportunity Employer.*

### ENVIRONMENTAL MICROBIOLOGY

Tenure-track position at the **ASSISTANT PROFESSOR** level. Research interests could include microbial ecology, bioremediation, or related areas and can involve molecular and classical microbial and biochemical techniques. Teaching includes undergraduate microbiology and advanced courses in the applicant's area of expertise. A Ph.D. and significant research accomplishments are required; postdoctoral research experience is preferred. We expect continuing excellence in both teaching and funded research with M.S. and Ph.D. students. Duties begin August 15, 2001. Applicants must submit curriculum vitae, concise statements of research and teaching interests, up to three publications, and have at least four letters of reference sent to: **Dr. D. K. Hews, Department of Life Sciences, Indiana State University, Terre Haute, IN 47809**. E-mail: [DHIEWS@indstate.edu](mailto:DHIEWS@indstate.edu); FAX: 812-237-4480. Screening begins January 5, 2001, continuing until the position is filled. See [website: http://biology.indstate.edu/dls/](http://biology.indstate.edu/dls/) for more information. *Indiana State University is an Affirmative Action/Equal Opportunity Employer and encourages women and minority candidates to apply.*

**RESEARCH ASSOCIATE.** Participate in a group in the Department of Microarray and Pharmacogenomics; responsible for method development and validation of novel small molecule drug candidate. Duties include cell-based assay development and screening of small molecule drug for novel therapeutically products, validation of cell/tissue expression file using microarray, and data management of analyzed cell/tissue results in database. Responsible for tissue culture, cell transfection; operation of ultracentrifuge; SDS-PAGE; Northern blot, Southern blot, and Western blot; maintenance of laboratory material and equipment; and analyzing data with computer software. Responsible for method training of new group members and for method transfer and supervision of laboratory safety practice. Requires M.S. in biology and one year of experience. \$3,282 per month; 40 hours per week. Job site interview: Thousand Oaks, California. Send ad and résumé/letter of qualifications to: **Job Number MMO 57278, P.O. Box 269065, Sacramento, CA 95826-9065**.

## POSITIONS OPEN

### ASSISTANT OR ASSOCIATE PROFESSOR CANADA RESEARCH CHAIR, TIER II Neuroscience, University of Toronto at Scarborough

We are seeking a dynamic, front-line Researcher in neuroscience who has already made significant contributions to complement and augment an active group of Neuroscientists within our Division. We have recently been awarded major infrastructure funding from the Canada Foundation for Innovation and the Ontario Innovation Trust to establish a Centre for Integrative Research on Stress and the Brain. The new research facilities will include state-of-the-art equipment for molecular and cellular biology and neurophysiology. Applications are invited at the Assistant or junior Associate Professor level. Candidates must have a strong background in molecular, cellular, and neurophysiological techniques. An interest in the neurobiology of stress would be an asset. The successful candidate will be eligible for nomination to the prestigious Canada Research Chair Program. The position will remain open until a suitable candidate is found. Applications including three reference letters, curriculum vitae, and a statement of research interests should be sent as soon as possible to: **Professor John Youson, Chair, Division of Life Sciences, University of Toronto at Scarborough, 1265 Military Trail, Toronto, Ontario M1C 1A4 Canada**. *The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, and others who may contribute to further diversification of ideas.*

The Lake Forest College Biology Department seeks applications for a full-time, tenure-track position in ecology at the **ASSISTANT PROFESSOR** level. Postdoctoral experience is required. Candidates will be expected to participate in teaching at all levels of the undergraduate curriculum and to develop an active research program leading to publication with undergraduates. Applicants with field-based teaching and research interests desirable; research start-up funds are available. Teaching responsibilities include participation in core courses in ecology/evolution and organismal biology as well as upper-level and seminar courses in the candidate's area of interest. Participation in the college's Environmental Studies program is desirable. Lake Forest College is an undergraduate liberal arts institution located 30 miles north of Chicago, with small class sizes and well-equipped teaching and research facilities. Submit curriculum vitae, statement of teaching interests/philosophy and research plan, and have letters sent from three references to: **Anne Houde, Department of Biology, Lake Forest College, 555 North Sheridan Road, Lake Forest, IL 60045**. Review of applications will begin December 15, 2000. *With students from approximately 45 states and 45 countries, Lake Forest College embraces diversity throughout all its constituencies and encourages applications from women and members of historically underrepresented minority groups.*

### POSTDOCTORAL POSITIONS IN SEATTLE

To study DNA recombination and repair in mammalian cells, focusing on (1) somatic hypermutation in activated B cells and (2) functions of Rad52 in genomic stability and instability. Seeking talented, motivated, and interactive individuals to combine biochemical and genetic approaches to this research. Please send curriculum vitae and names of three references to: **Dr. Nancy Maizels, Departments of Immunology and Biochemistry, University of Washington Medical School, 1959 N.E. Pacific Street, Seattle, WA 98195-7650**. E-mail: [maizels@u.washington.edu](mailto:maizels@u.washington.edu).

**POSTDOCTORAL POSITION** available to investigate the functions of B cell subsets including signal transduction, antibody repertoire, and immunological memory. Experience in molecular biology techniques is required. Send curriculum vitae to: **Jan Cerny, M.D., Ph.D., Microbiology and Immunology, University of Maryland, 655 West Baltimore Street, BRB 13-015, Baltimore, MD 21201**.

## Hematologist Faculty Positions

The Division of Hematology at the University at Stony Brook is seeking two physician/scientists for full-time academic positions at the Assistant or Associate Professor level.

Primary responsibilities will be in research (75%) and patient care/teaching. Preference will be given to candidates with independent funding whose research interests are broadly related to genetics, vascular biology, hemostasis/thrombosis, and hematopoiesis.

Must be board-certified in Internal Medicine and board-eligible/certified in Hematology and/or Oncology. Considerable start-up funds and laboratory space are available to support this expanded research effort.

Please send letter of interest and CV to: Dr. Wadie F. Bahou, Chief of Hematology Health Sciences Center T15/040 University at Stony Brook Stony Brook, NY 11794-8151

AA/EOE



## The H.G. Thode Postdoctoral Fellowships

In commemoration of the late Dr. Harry Thode's achievements as a nuclear scientist and as a visionary university president, McMaster University is pleased to invite applications for a total of two postdoctoral fellowships in the general areas of Nuclear Medicine, Nuclear Science, or Nuclear Engineering.

Dr. Thode was instrumental in acquiring for McMaster University an on-campus low-power nuclear reactor. It has found application in a wide range of research areas that include: isotope development and production for protein labelling, medical imaging, molecular pharmacology and acid rain studies; boron neutron capture therapy and radiation metrology; anthropological geochronology; activation analysis; neutron radiography for nondestructive testing; new materials research; and material testing for radiation damage studies. The research goals of the successful candidates do not, however, have to explicitly or exclusively feature the reactor; rather the areas identified are intended to be suggestive of the general areas that will be affiliated with the Thode Fellowships.

The selection committee for these prestigious fellowships comprises the Deans of Science, Engineering and Health Sciences, the Provost, and the Vice-President (Research and International Affairs).

Each fellowship may be held for a term of two years. For 2001, the salary will be \$37,500 (Canadian) per year plus benefits. Successful candidates may be offered the opportunity to teach at the undergraduate or graduate level but this teaching will not exceed one course per term. In addition, postdoctoral fellows may subsequently be considered for regular faculty positions depending upon their suitability, the academic plans of the relevant Faculty, and budgetary constraints. Fellows may take up their appointments anytime between May 1 and November 1, 2001.

Applicants should send, by January 31, 2001, a full Curriculum Vitae and letters from three referees to: Dr. Peter Sutherland, Dean of Science, McMaster University, Hamilton, Ontario L8S 4K1, Canada.

*McMaster University is committed to Employment Equity and encourages applications from all qualified candidates, including aboriginal peoples, persons with disabilities, members of visible minorities, and women.*



### Postdoctoral Positions

Two postdoctoral positions are currently available in the laboratory of Dr. Ben Cravatt for the following projects:

To study the structure and function of a large and diverse family of nonclassical amidohydrolases: the amidase signature enzymes. This multidisciplinary project will focus on understanding the molecular evolution of this superfamily of enzymes and its application to the engineering of amidases with novel and programmable substrate selectivities. An individual with strong protein chemistry and enzymological interests is sought for this position.

To participate in the behavioral and pharmacological characterization of a mouse model in which the catabolic enzyme fatty acid amide hydrolase (FAAH) has been genetically deleted. FAAH is responsible for degrading the endocannabinoid, anandamide, and the sleep-inducing lipid, oleamide, *in vivo*. FAAH-knockout mice are being studied for defects in a wide range of neural behaviors and functions. An individual with interest and experience in mouse neuropharmacology and behavior is sought for this position. Interested individuals should send a CV and three references to:

Benjamin F. Cravatt, Ph.D.  
Skaggs Institute for Chemical Biology  
Department of Cell Biology  
10550 N. Torrey Pines Rd.  
La Jolla, CA 92037  
FAX: 858-784-2345  
E-mail: cravatt@scripps.edu

## MOLECULAR MICROBIOLOGY

### Tenure Track Faculty Position Bowdoin College

The Biology Department and Biochemistry Interdisciplinary Program of Bowdoin College invite applications for a tenure track position in Molecular Microbiology at the Assistant or Associate Professor level beginning Fall 2001. The position is a joint appointment in Biology and Biochemistry. We are seeking candidates who will demonstrate excellence in both teaching and research. The successful applicant will normally teach three courses each year, at least some of which will have labs. Teaching responsibilities include courses in microbiology and immunology on a regular basis and additional courses that contribute to both the Biology and Biochemistry major programs, including courses in one's specialty. The successful applicant is expected to maintain an active research program that involves undergraduates. Postdoctoral experience preferred.

Review of applications will begin December 1, 2000. Please send a curriculum vitae, a letter that includes a description of your research interests and teaching philosophy, and the names, email addresses and phone numbers of three references to: Patsy Dickinson, Chair, Biology Department, Microbiology Search, 6500 College Station, Bowdoin College, Brunswick, ME 04011-8465. For further information about the college, the department, and the program, please see our website: [www.bowdoin.edu](http://www.bowdoin.edu).

*Bowdoin College is committed to Equal Opportunity through Affirmative Action. Women and minorities are encouraged to apply.*

ADMINISTRATION

### Scientific Administrator

**Ernest Gallo Clinic and Research Center**, a biomedical research institution affiliated with The University of California, San Francisco, seeks an M.D. or Ph.D. with the necessary experience to manage overall operations of scientific support facilities, reporting to the director.

Responsibilities include oversight of postdoctoral fellowship program, safety and training, core facilities for sequencing, microscopy and immunohistochemistry, animal facilities, Bioinformatics, and space and equipment utilization.

The ideal candidate will have experience as a bench scientist or as a science administrator, and should be ready for administrative responsibilities in a large multidisciplinary center.

**Applicants should send their resume and cover letter to:**

Ivan Diamond, M.D., Ph.D.  
University of California, San Francisco,  
Ernest Gallo Clinic and Research Center,  
5858 Horton Street, Suite 200  
Emeryville, CA 94608



**The Ernest Gallo Clinic  
& Research Center**

Visit our website at: <http://www.egcrc.org>

UCSF is an affirmative action/equal opportunity employer.

The University undertakes affirmative action to assure equal employment opportunity for underutilized minorities and women, for persons with disabilities and for Vietnam-era veterans and special disabled veterans.



## POSITIONS OPEN

### MOLECULAR DEVICES CORPORATION

At Molecular Devices Corporation, our proprietary technologies and approaches have allowed us to develop revolutionary new solutions that combine instruments, reagents, and software to make exciting new products for the life sciences industry. We're growing aggressively, and our continued success has created the following opportunities:

#### RESEARCH SCIENTIST (Job Number 2692)

As a member of our Molecular and Cell Biology Department, you will lead a group of Scientists and associates for ion channel projects. You will design and develop cell-based assays (reagent kits) for high-throughput screening, interface with engineers on instrument applications, and set up and run parallel patch clamp experiments.

A Ph.D. in electrophysiology-related science, more than two years of postdoctoral work, and more than four years of industry experience in electrophysiology and ion channels are required. Your expertise in cell-based assays is essential, and experience managing a small staff is important.

Molecular Devices Corporation offers a competitive compensation and benefits package, including stock options. Please send your résumé to: **Molecular Devices Corporation, Attention: JC/Staffing, Job Code Number 2692, 1311 Orleans Drive, Sunnyvale, CA 94089. FAX: 408-747-3699; e-mail: HR@moldev.com; website: www.moldev.com.** *Equal Opportunity Employer.*

### FACULTY POSITION IN CHEMISTRY UNIVERSITY OF ALASKA SOUTHEAST

The University of Alaska Southeast is seeking a qualified Chemist for a position at the **ASSISTANT PROFESSOR** level. This is a nine-month tenure-track appointment and is a support position for undergraduate programs in biology and environmental science. The successful candidate will be responsible for teaching general chemistry and upper-division courses in water chemistry and establishing a research program involving undergraduates. All applicants must have a Ph.D. in chemistry or related discipline. It is expected that the new faculty member will develop a productive career in teaching, research, and service. Position will begin fall semester 2001. A letter of interest, University of Alaska application, a short statement of teaching and research interests, a curriculum vitae, copies of undergraduate and graduate transcripts, and names and contact numbers of three professional references should be sent to: **University of Alaska Southeast, Personnel Services, 11120 Glacier Highway, Juneau, AK 99801-8675.** A complete job description and a formal application are available at **website: www.uas.alaska.edu** or by **Telephone: Personnel Services; 907-465-6263.** Complete application material must be received by December 1, 2000. *University of Alaska Southeast is an Affirmative Action/Equal Opportunity Employer and Educational Institution.*

NewLink Genetics, Inc. is a young, highly innovative functional genomics company located in the Research Park area of Iowa State University in Ames, Iowa. We have developed a new strategy to decipher the human genome function to provide the next generation of therapeutics for cancers. We currently have several **SCIENTIST** positions in the genetic screening and molecular and cell biology sections.

Qualified candidates must possess a Ph.D. and previous experience in the molecular biology field. Strong communication skills are required. The selected candidates will work as part of a multidisciplinary team. We offer demanding and challenging work, an attractive salary, entrepreneurial spirit, and the perspectives of a fast-growing biotechnology company.

To be part of our team, please submit a cover letter and résumé including the names and addresses of three references to:

**Mr. Gregory Compton, President  
NewLink Genetics, Inc.  
2901 South Loop Drive, Suite 3900  
Ames, IA 50010**

## POSITIONS OPEN

### ASSISTANT/ASSOCIATE PROFESSOR POSITIONS DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF ILLINOIS, CHICAGO

The Department of Pharmacology at the University of Illinois (Chicago) invites applications for tenure-track positions at the level of Assistant Professor and tenured positions at the Associate Professor and **FULL PROFESSOR** level. This recruitment will complement ongoing areas of research and is part of the significant expansion that includes the new Basic Medical Science Building to be completed in 2003 that will house the Department of Pharmacology. Current areas of research in the Department comprise signal transduction, vascular and lung biology, neuroscience, peptidases, and receptor biology. We are seeking highly motivated faculty in the areas of neurosciences, signal transduction, cardiovascular biology, cancer biology, and genomics/proteomics. Our start-up packages are highly competitive. The University of Illinois provides an outstanding intellectual environment as well as state-of-the-art research facilities including DNA/protein synthesis and sequencing, confocal microscopy, NMR, and transgenic/knockout facilities. Applicants should possess a Ph.D. or M.D. For fullest consideration, submit curriculum vitae, description of research interests and goals, grant support, and the names of three references by November 30, 2000, to: **Dr. Oscar Colamonici (SC001), Pharmacology Search Committee, Department of Pharmacology, University of Illinois, 835 South Wolcott Avenue (M/C868), Room E403, Chicago, IL 60612. Website: www.uic.edu/depts/mcph/. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.**

### PLANETARY SCIENCE FACULTY POSITION University of California Los Angeles

The Department of Earth and Space Sciences (ESS) at the University of California Los Angeles (UCLA) invites applications for a ladder faculty position in planetary science beginning as early as July 1, 2001. Applications are invited for all fields of solar and planetary system studies and all approaches, including theoretical, observational, and experimental. Necessary qualifications include the Ph.D., demonstrated excellence in research, teaching, and intellectual leadership. The ESS Department conducts research and offers undergraduate and graduate courses covering a broad range of Earth and solar system studies. See **website: http://www.ess.ucla.edu** for more details. The level of appointment will be commensurate with experience and distinction but a junior appointment is preferred. The applicant should enclose a curriculum vitae, publication list, short statement of teaching and research objectives, and names and addresses of three potential references. Applications should be directed to:

**Planetary Science Search Committee  
Department of Earth and Space Sciences  
University of California  
P.O. Box 951567  
Los Angeles, CA 90095-1567**

Processing of applications will commence on January 15, 2001. *UCLA is an Equal Opportunity/Affirmative Action Employer.*

### MAYO CLINIC POSTDOCTORAL FELLOWSHIP POSITIONS Biochemistry and Molecular Biology Department

Two positions are available immediately to study structure/function relationships, protein-protein interactions, and targeting mechanisms of the Ca<sup>2+</sup> pumping ATPase of the plasma membrane. Ph.D. or M.D./Ph.D. in biochemistry is required. Experience in cell/molecular biology preferable. Send your curriculum vitae, statement of research interests, and letters of recommendation to: **John T. Penniston, Mayo Clinic, Guggenheim 1642D, 200 First Street, S.W., Rochester, MN 55905. E-mail: penniston.john@mayo.edu. Mayo Foundation is an Affirmative Action/Equal Opportunity Employer and Educator.**

## POSITIONS OPEN

**ASSISTANT/ASSOCIATE PROFESSOR, BASIC NUTRITION**, Department of Molecular Biosciences, School of Veterinary Medicine, University of California, Davis. Tenure-track position available July 1, 2001. Salary dependent on qualifications and experience. Required: Ph.D. and/or D.V.M. or equivalent in nutrition or related field; demonstrated use of/apptitude with state-of-the-art methods to investigate basic science issues related to nutrition; documented research record/high potential to develop independent research program in an area of basic science related to nutrition; demonstrated teaching experience/apptitude; ability to assume teaching in comparative nutrition; outstanding ability/potential to acquire extramural funding; excellent interpersonal and communication skills and a demonstrated ability to work with others in a collegial, team atmosphere; interest in animal nutrition. Preferred: Research using molecular tools in the study of nutrition; interest in comparative nutrition; productivity/interest in emphasis area of inflammation/chronic disease, metabolic regulation, molecular nutrition, nutritional genetics, or microarray/proteomic studies of the effects of diet on gene/protein regulation. Send letter outlining interest, qualifications, experience, and career goals related to the position; curriculum vitae; and names, addresses, and telephone numbers of three references to: **Dr. Alan Buckpitt, Chair, c/o Ms. Joan Learned, Department of Molecular Biosciences, School of Veterinary Medicine, University of California, One Shields Avenue, Davis, CA 95616-8741.** Applications will be accepted through December 15, 2000, or until a suitable candidate is identified. *The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL FELLOW KIMMEL CANCER CENTER Philadelphia, Pennsylvania

Thomas Jefferson University has an NIH-funded Postdoctoral position available to conduct research in the general area of antigen-driven B cell tolerance and memory. The three specific projects being pursued are (1) the influence of antigen receptor specificity on developmental fate in the periphery, (2) the molecular and cellular immunology of the germinal center reaction, and (3) the role of Fc gamma receptors in regulation of B cell tolerance and memory. The Kimmel Cancer Center is located in Center City Philadelphia on the campus of Thomas Jefferson University. Interested applicants should send complete curriculum vitae, a statement of career goals and research interests, and a list of three references to: **Tim Manser, Ph.D., Kimmel Cancer Center, BLSB 708, 233 South 10th Street, Philadelphia, PA 19107. E-mail: manser@lac.jci.tju.edu. Equal Opportunity Employer.**

### DIRECTOR TOXICOLOGY INFORMATION CENTER (TIC)

**Center for Research on Occupational and Environmental Toxicology (CROET)  
Oregon Health Sciences University (OHSU)  
CROET (website: http://www.croetweb.com)** seeks a superb communicator with an advanced degree in toxicology or related discipline to research and respond to specialist and public requests for technical data and health information. Send letter; curriculum vitae; salary needs; and names of three references by November 24, 2000, to: **TIC Director Search, CROET, OHSU, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201.**

*OHSU is an Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL POSITION** is available to study hormonal effects on cell growth and differentiation. Candidates must have a M.D./Ph.D. degree with experience in cell culture. Experience on natural killer cell cytotoxicity assay and molecular biological techniques are essential. Contact: **Dr. Sampath Parthasarathy, Emory University School of Medicine, Department of Gynecology and Obstetrics, Division of Research, Atlanta, GA 30322** for further information.

# Research Fellows

## Monash Institute of Reproduction and Development

**Monash University,  
Melbourne, Australia**

### The Institute

Monash Institute of Reproduction and Development is internationally recognised for its work in human genetics, reproduction, endocrinology, functional genomics and the role of gene in disease.

### The positions

## Postdoctoral Research Scientists (Three positions)

Two new positions are available in the Centre for Early Human Development in the field of human embryonic stem (ES) cell biology. Human ES cells have the potential to revolutionise many of our approaches to human biology and medicine, and the Monash IRD is capitalising on its lead in this area to develop a world class centre for human ES cell research. The research program aims to identify the extrinsic factors which drive the growth and differentiation of ES cells and committed progenitors derived from them.

A third position will focus on trans-differentiation of stem cells including the molecular and cellular control mechanisms of dedifferentiation, lineage commitment, nuclear and cytoplasmic transfer, extrinsic influences on differentiation and transdifferentiation.

Applicants should have a PhD in cell, molecular or developmental biology. The research program is funded by ES International and will be for two years. For further information contact Professor Alan Trounson on tel: +61 3 9594 7302 and/or Associate Professor Martin Pera on tel: +61 3 9594 7318 or email: martin.pera@med.monash.edu.au

### The benefits:

\$A49,366 – \$A58,623 pa Level B.

**Location:** Monash Medical Centre.

**Applications:** Associate Professor M Pera, Monash Institute of Reproduction & Development, 27-31 Wright Street, Clayton 3168, Victoria, Australia, by 24/11/00. Quote Ref. No. A002288 and include curriculum vitae and the names (with phone and facsimile numbers) of three referees in your application.

**An Equal Opportunity Employer**

**MONASH**  
UNIVERSITY

DLA 1999.12.02



## The Santa Fe Institute Announces 2001 Complex Systems Summer Schools

Santa Fe School: June 10 to July 7, 2001 in Santa Fe, New Mexico  
Budapest School: July 16 to August 10, 2001 in Budapest, Hungary

An intensive introduction to complex behavior in mathematical, physical, living, and social systems for graduate students and postdoctoral fellows in the sciences and social sciences. Open to students in all countries. Students are expected to choose one school and attend the full four weeks. No tuition is charged. Some support for housing and travel expenses is also available.

Weeks one and two will consist of an intensive series of lectures and laboratories introducing foundational ideas and tools of complex systems research. The topics will include nonlinear dynamics and pattern formation, statistical mechanics and stochastic processes, information theory and computation theory, adaptive computation, computer modeling tools, and specific applications of these core topics to various disciplines. (Prior to week one there may be an optional intensive two-day math review.) Week three will consist of lectures on current research in complex systems. Week four will be devoted to completion and presentation of student projects.

### Santa Fe School

Directors: Ray Goldstein, University of Arizona, and Melanie Mitchell, Santa Fe Institute  
Location: Held on the campus of St. John's College in Santa Fe, NM.  
Administered by the Santa Fe Institute.

### Budapest School

Directors: Melanie Mitchell, Santa Fe Institute, and Imre Kondor, Eötvös Loránd University  
Location: Held on the campus of Central European University in Budapest, Hungary.  
Administered by Central European University and the Santa Fe Institute.

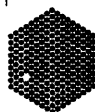
Application instructions: Provide a current resume with publications list (if any), statement of current research interests, comments about why you want to attend the school, and two letters of recommendation from scientists who know your work. Include your e-mail address and fax number. **Specify which school you want to attend (or which is your first choice if you are willing to attend either).** Send only complete application packages by postal mail to: Summer Schools, MS SN, Santa Fe Institute, 1399 Hyde Park Road, Santa Fe, NM 87501 USA.

Application deadline: February 5, 2001

*Women, minorities, and students from developing countries are especially encouraged to apply.*

**Further information:** <http://www.santafe.edu/sfi/education/indexCSSS.html> or [summerschool@santafe.edu](mailto:summerschool@santafe.edu).

## EUROPEAN OPPORTUNITIES



**EMBL**

## International PhD Programme

The European Molecular Biology Laboratory will award predoctoral fellowships in 2001 to University graduates wishing to study for a PhD at EMBL Heidelberg (Germany), at the EMBL Outstations in Hinxton (Cambridge, UK), Hamburg (Germany), and Grenoble (France) or at Monterotondo (Italy). Areas of study include:

- Cell Biology & Biophysics
- Developmental Biology
- Gene Expression
- Structural & Computational Biology
- Bioinformatics
- Biochemical Instrumentation

Candidates must hold, or anticipate receiving in 2001, either a first or upper second class honours degree, a masters degree, a diploma or equivalent in the biological sciences, physics, chemistry or mathematics.

Candidates for EMBL fellowships should be citizens of an EMBL member state (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Israel, Italy, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom).

**In addition, two fellowships will be awarded to candidates from East Europe (member states of the Council of Europe) sponsored by the Fondation Louis-Jeantet de Médecine.**

The deadline for receipt of completed applications is January 3, 2001. Successful candidates are awarded fellowships in mid-March 2001 to start work at EMBL on October 1, 2001 at the latest. The duration of a fellowship is 3½ years. Recognizing the high quality of the EMBL International PhD Programme, EMBL became in December 1997 the first international institution providing training in Molecular Biology in Europe that was granted the right to award its own PhD degree. Currently, EMBL's PhD students obtain their degree from a national university. In the near future, they may have two additional options: to receive a joint degree from a national university and the EMBL or to receive their degree from EMBL alone. EMBL is also interested in promoting research at the interface between Molecular Biology and Medicine. From 2001, we will offer the possibility to pursue an MD/PhD degree to medically qualified candidates on a case by case basis.

**Application forms and a brochure giving further information about research at EMBL and the groups participating in the EMBL International PhD programme are available on request from the: Dean of Graduate Studies, Dr Matthias W Hentze, EMBL Postfach 10 22 09, D-69012 Heidelberg, Germany, (Tel. +49 6221 387 430, Fax: +49 6221 387 400, E-mail: [predocs@embl-heidelberg.de](mailto:predocs@embl-heidelberg.de)).**

**Application forms can also be downloaded directly from:**

<http://www.embl-heidelberg.de/ExternalInfo/PhdProgramme/Download.html>



## POSITIONS OPEN

### ZEBRAFISH DEVELOPMENTAL BIOLOGIST

The Department of Biology at Emory University is seeking a Developmental Biologist who studies vertebrate development in the zebrafish. The position is for a tenure-track **ASSISTANT PROFESSOR**, although an appointment at a higher rank will be considered in exceptional circumstances. A state-of-the-art fish-rearing facility is available, and the successful applicant will be provided with competitive start-up funds and research space. Applicants should have at least three years of postdoctoral research experience and provide evidence that they will develop a strong, independently funded research program. A commitment to undergraduate teaching in the Biology Department is expected, and the appointee will also participate in appropriate programs of the interdepartmental Graduate Division of Biological and Biomedical Sciences. Applicants should submit curriculum vitae and a statement detailing their current research and future plans and should arrange for three letters of recommendation to be sent to: **Dr. John C. Lucchesi, Zebrafish Search, Department of Biology, Emory University, 1510 Clifton Road, Atlanta, GA 30322. Telephone: 404-727-4234; FAX: 404-727-2880; e-mail: zebra\_srch@biology.emory.edu.** Review of completed applications will begin January 2, 2001. Information on the Biology Department and Emory's graduate programs can be obtained from the following websites: [www.emory.edu/BIOLOGY/index.htm](http://www.emory.edu/BIOLOGY/index.htm) and [www.service.emory.edu/BIOMED/GDBBSHomePage.html](http://www.service.emory.edu/BIOMED/GDBBSHomePage.html).

*Emory is an Equal Opportunity/Affirmative Action Employer.*

The U.S. Army Soldier and Biological Chemical Command is looking to fill **DIRECTOR, SUPPORTING SCIENCE** position: The position is responsible for leading, motivating, and directing a large multidisciplinary scientific staff engaged in basic and applied research in the following areas: modeling and simulation, biomechanics, human factors, behavior, biotechnology, nanotechnology, and materials, particularly as they apply to human protection systems (both individual and collective), clothing and outdoor equipment, parachutes and related airdrop devices, food and beverage items, and preparation/serving equipment. Potential candidates must possess a solid scientific background in an appropriate discipline (i.e., physical sciences, operations research analysis, biological sciences, or psychology) in order to carry out both the managerial and scientific aspects of this position. The position is located in Natick, Massachusetts. The salary range is \$85,934 to \$111,713. Interested candidates must respond to the job announcement posted at website: [cpol.army.mil](http://cpol.army.mil) (select employment search, Army vacancies, Announcement #DBU100058). Please note that the closing date is November 17, 2000. For additional information on the position or advice on how to apply, please contact: **Donna Bulger; Telephone: 508-233-4771.**

### RESEARCH ASSOCIATES HEMATOPOIETIC STEM CELL BIOLOGY

Applications invited for expanding program with new laboratory space in stem cell biology and therapeutics with special interest in mouse models of hematopoiesis and signal transduction pathways involving Src and Notch. Children's Hospital of Pittsburgh and University of Pittsburgh Cancer Institute are among the top NIH-funded institutions with outstanding gene therapy and transplantation programs. Successful candidates (M.D., Ph.D.) will have permanent resident status and be experienced in transgenic mice or murine experimental hematopoiesis. Send curriculum vitae, career goals, and reference names to: **Seth Corey, Scientific Director, Program in Stem Cell Biology and Therapeutics, Children's Hospital, 3705 Fifth Avenue, Pittsburgh, PA 15213. FAX: 412-692-5723; e-mail: scorey@pitt.edu.** More information is available at website: [www.pitt.edu/~scorey](http://www.pitt.edu/~scorey).

## POSITIONS OPEN

### ASSISTANT PROFESSOR ENVIRONMENTAL SCIENCES CREIGHTON UNIVERSITY

The Department of Environmental and Atmospheric Sciences at Creighton University invites applications for a new tenure-track and nine-month appointment to begin in August 2001. The Department seeks applicants with teaching and research interests in one or more of the following areas: Earth remote sensing, hydrology, environmental geology, or global change. Background and application interests in GIS are desirable. Creighton is committed to providing a supportive academic environment with a healthy balance of teaching, research, and service. The position requires classroom and laboratory course instruction relevant to the candidate's specialization at both introductory and advanced levels. Establishment of an effective and sustainable research program is necessary for tenure and advancement. Research mentoring of undergraduate- and Master's-level students is an important and valued activity. To apply, send (1) curriculum vitae, (2) statements of teaching and research interests and professional goals, (3) undergraduate and graduate transcripts, (4) documentation (if available) of teaching effectiveness, and (5) three letters of reference to: **Chair of Search Committee, Department of Environmental and Atmospheric Sciences, Creighton University, Omaha, NE 68178.** Review of applications and selection of individuals for interviews will begin on December 8, 2000, and continue until the position is filled. *Creighton is a Jesuit Catholic institution that seeks qualified individuals from all backgrounds who can contribute to the University's outstanding educational traditions. We encourage applications from women and minorities.*

**ASSISTANT DIRECTOR, SURGICAL RESEARCH.** Department of Surgery, Cooper Health System, Robert Wood Johnson Medical School, Camden, University of Medicine and Dentistry of New Jersey, invites applications for a tenure-track faculty appointment at the **ASSISTANT/ASSOCIATE PROFESSOR** level in surgical research. An Assistant Director position is immediately available to study mechanisms of disease in novel models involving 3-D cell culture and bioartificial tissue engineering, transplant tolerance, vascularized bone marrow transplantation, composite tissue allografts, and site-specific immune suppression. Experience in basic cellular and molecular biological techniques, pathobiology, and surgical animal models is desired with specific training in cytokine immunology, ELISAs, recombinant DNA, polymerase chain reaction, *in situ* hybridization, protein electrophoresis, cell culture, flow cytometry, and microsurgical rat models including kidneys, hearts, and/or limbs. Candidate will be expected to develop or possess an active independent research program and extramural funding. This is an administrative position in surgical research, answering directly to the Director. Ph.D. and/or M.D. degree required. Send curriculum vitae and names and addresses of three references to: **Dr. Charles W. Hewitt, Director, Surgical Research, UMDNJ/Robert Wood Johnson Medical School, Cooper Health System, Three Cooper Plaza, Suite 411, Camden, NJ 08103.** *Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.*

**RESEARCH ASSOCIATE** position available for motivated and experienced individual to significantly contribute towards an exciting project developing a nonviral gene delivery strategy. The candidate should have a Ph.D. or M.D. as well as five years of documented experience in pharmacology or liposome research. Please send curriculum vitae and the names and telephone numbers of three references by November 30, 2000, to: **Dr. Esther H. Chang, Department of Oncology, Lombardi Cancer Center, Georgetown University Medical Center, NRB-E420, 3970 Reservoir Road, N.W., Washington, DC 20007.** *E-mail: [change@gunet.georgetown.edu](mailto:change@gunet.georgetown.edu).*

## POSITIONS OPEN

**PLANT GENOMICS POSITIONS** available: Clemson University Genomics Institute (CUGI). CUGI is a state-of-the-art research facility focusing on agricultural genomics (website: [www.genome.clemson.edu](http://www.genome.clemson.edu)).

**SEQUENCING ANALYSIS COORDINATOR:** Fellow will work closely with the CUGI DNA sequencing center to develop local protocols for base calling, vector removal, and analysis of sequence information. A Ph.D. in biology, molecular biology, or computational biology preferred but experienced M.S./B.S. degrees will be considered. Applicants must be familiar with the UNIX and Perl scripting.

**ANNOTATION, rice:** Fellow will be responsible for annotation of rice BACs and submission of BACs to GenBank. A Ph.D. in biology, molecular biology, or computational biology is preferred. Knowledge of genome sequence analysis desired, including a basic understanding of gene prediction algorithms and database searching software.

**PHYSICAL MAPPING, maize:** Position available for a highly motivated, team-oriented, and organized **POSTDOCTORATE** to construct a physical map of the maize genome (B73). Candidate will coordinate a team of eight technicians to fingerprint two 200,000 clone BAC libraries and to assemble and annotate contigs using hybridization anchor data and IMAGE and FPC software. Extensive experience in contig assembly and UNIX and Perl programming required.

Send and e-mail current curriculum vitae and three letters of reference to: **Dr. R. Wing, CUGI, 100 Jordan Hall, Clemson, SC 29634. E-mail: [rwing@clemson.edu](mailto:rwing@clemson.edu).** Review will begin November 30, 2000, and continue until positions are filled. *Clemson University is an Equal Opportunity/Affirmative Action Employer.*

### NATIONAL EYE INSTITUTE NATIONAL INSTITUTES OF HEALTH

The intramural program of the National Eye Institute invites applications for a senior tenured position as a **RESEARCH SCIENTIST** within the Laboratory of Sensorimotor Research. Applicants will be expected to have an established research program related to understanding the neurobiology of the visual and/or oculomotor system in monkeys.

The Laboratory of Sensorimotor Research is devoted to understanding the organization of the brain related to the control of eye movements and visual perception. It has excellent facilities for the study of these systems in awake behaving primates, including dedicated computer systems, a machine shop, an electronics shop, and a histology laboratory. The Laboratory also provides the opportunity to collaborate on studies of human patients with diseases related to the visual and oculomotor systems.

Candidates should send a brief cover letter, curriculum vitae, bibliography, a one- or two-page statement of current research interests, copies of recent relevant publications, and three letters of recommendation to: **Dr. Lance M. Optican, Search Committee Chair, c/o Ms. Jean Steinberg, Building 49, Room 2A50, NIH, Bethesda, MD 20892-4435.** The deadline for applications is December 1, 2000.

*NIH is an Equal Opportunity Employer. Selection of this position will be based solely on merit, with no discrimination for nonmerit reasons such as race, color, religion, gender, national origin, political affiliation, marital status, disability, age, sexual orientation, or membership or nonmembership in an employee organization.*

**JUNIOR RESEARCHER** position is available to study the pathogenesis of HIV-associated dementia. Project will focus on defining HIV 1-specific cytotoxic T lymphocyte responses in the CNS of HIV-infected subjects. Master's degree (Ph.D. desirable) required; individuals with experience in cellular immunology and molecular cloning techniques are encouraged to apply. Minimum annual salary: \$33,312. Send curriculum vitae with names and addresses of three references to: **Dr. Allison Imrie, Pacific Biomedical Research Center, 1993 East-West Road, University of Hawaii at Manoa, Honolulu, HI 96822.** Closing date: November 22, 2000. *Equal Employment Opportunity/Affirmative Action Institution.*

The University of Nijmegen - the only comprehensive university in the eastern and southern regions of the Netherlands - provides a broad academic education for its 13,000 students. The university has eight faculties, including a science faculty and a medical faculty with a teaching hospital.

## FULL PROFESSOR

### BIOPHYSICAL CHEMISTRY

The Faculty of Science, the Sub-Faculty of Chemistry, has a vacancy for a full professor of biophysical chemistry. It concerns a so-called Van der Leeuw position, which serves to guarantee a timely succession at the full professor level and is in part funded by the Dutch Organisation for Scientific Research (NWO). The position is available in the Department of Biophysical Chemistry, part of in the Nijmegen SON Research Centre (NSR Centre).

**Function:** The successful candidate is expected to perform research in the field of biophysical chemistry, with a particular focus on the structure of biomacromolecules, the dynamics of the protein-mediated interactions of these molecules in the liquid phase and their role in cellular signaling. High resolution NMR-spectroscopy is the primary technique. A range of NMR-spectrometers is available, including a recently acquired 800 MHz-spectrometer.

The candidate will also participate in teaching undergraduate and graduate students.

**Requirements:** The candidate should have a broad and advanced knowledge of biomolecular NMR-spectroscopy, with an additional interest in applying an array of biochemical- and biophysical techniques. He/she must be able to formulate and implement an innovative and vigorous research program. The candidate should

actively participate in collaborative projects with other research groups such as those in the fields of bioinformatics and bio-organic chemistry and with molecular-biology groups in the Nijmegen Centre for Molecular Life Sciences. For this position we are looking for a NMR-spectroscopist with:

- a broad knowledge of biophysical chemistry, especially in the field of high resolution NMR-spectroscopy of biomacromolecules
  - excellent teaching qualifications
  - excellent research skills as exemplified by high-impact publications
  - experience in managing and leading a research group
  - experience in attracting external financial support
- He/she is also expected to take part in administrative and organisational duties both within and outside the department.

**Information and application:** Requests for additional information should be addressed to prof. dr E. Vlieg, Chairman of the Search Committee, e-mail: [vlieg@sci.kun.nl](mailto:vlieg@sci.kun.nl), tel. +31 24 365 30 70. A written application with curriculum vitae and list of publications should be addressed, within four weeks from appearance of this advertisement, to the Faculty of Science, Personnel Department, Toernooiveld 1, 6525 ED Nijmegen, The Netherlands, quoting the number 00/53.

**Information: [www.kun.nl](http://www.kun.nl)**

## PROGRAM IN BIOMOLECULAR STRUCTURE AND FUNCTION

### Senior Faculty Position for a Crystallographer

A tenured appointment in the Basic Science Division will be made to an outstanding scientist who uses X-ray crystallography to solve structures of biologically important molecules and thereby gain insight into their function. Areas of interest include, but are not limited to gene regulation, signal transduction, DNA replication, recombination, and repair, and the molecular assembly of cellular organelles. The successful applicant will receive a generous start-up package with which to continue a vigorous research program, and will have the opportunity to assume a leadership position.

Fox Chase has a long history of excellence in biochemistry and structural biology. The Biomolecular Structure and Function group currently includes seven faculty members with exciting research programs that exploit modern tools of biochemistry, solution NMR, crystallography, computational chemistry, and proteomics. Located in suburban Philadelphia, the Center offers a highly interactive, multidisciplinary environment supported by state of the art core facilities, extramural and intramural postdoctoral training grants, endowed fellowships, and an outstanding funding record for investigator-initiated grant applications. To apply please send CV and a description of research interests to: **Dr. Ann Skalka, Senior Vice President, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111.**



See <http://www.fccc.edu/scientific/research/programs>

Fox Chase Cancer Center is an Affirmative Action/Equal Opportunity Employer

## THE UNIVERSITY of York

### DEPARTMENT OF BIOLOGY

## POSTDOCTORAL POSITION IN MOLECULAR EVOLUTION

Applications are invited for a postdoctoral position to study the evolutionary origins of "higher" eukaryotes using combined protein sequence data. The work will involve cell culture, DNA extraction, PCR, cloning, and phylogenetic analysis. The emphasis of the project will be on the protistan origins of animals, fungi, algae and slime molds, major tax with scope to pursue finer level taxonomy within a candidate's own group of interest. Some expertise in either protozoan cell biology and taxonomy and/or molecular biology is highly desirable.

The post is funded by BBSRC for a period of three years and starting salary will be within the range £16,775 - £18,731 per annum.

Informal enquiries to Dr S L Baldauf, Department of Biology, tel: (0)1904 434381, email: [slb14@york.ac.uk](mailto:slb14@york.ac.uk)

For further particulars and details of how to apply, please write to the Personnel Office, University of York, Heslington, York YO10 5DD, email: [jobs@york.ac.uk](mailto:jobs@york.ac.uk) quoting reference number 12/6080 or see <http://www.york.ac.uk/admin/persnl/jobs/6080.htm> Closing date: 23 November 2000.

## POSITIONS OPEN

### SPATIAL ANALYST/LANDSCAPE MODELER (Senior Environment Scientist)

South Florida Water Management District  
West Palm Beach, Florida

We are seeking a **SENIOR ECOLOGIST** to join the Everglades Landscape Modeling program in a regular, full-time position. Our department's research ranges from wetlands and tree islands of the northern Everglades to the mangrove and sea grass communities in the southern Everglades and Florida Bay. This basic research is linked directly to our simulation modeling program in helping to evaluate and optimize a \$7.8 billion Everglades restoration program. Duties are to develop methods to enhance spatial and temporal understanding of Everglades system dynamics; coordinate landscape model integration with databases, GIS, and the WWW; and integrate existing landscape simulation models with new/existing, hydrologic, and ecological models. Require a strong background in ecology, hydrology, and/or computer science. We would alternatively consider specialists who emphasize GIS and geostatistics, bringing advanced techniques for analysis of spatial relationships among multiple variables. This is a regular, full-time position. Master's degree in science or engineering and more than four years of experience; Ph.D. preferred. More information on our research in landscape modeling may be found at website: <http://www.sfwmd.gov/org/erdc/esr/elm.html>. Interested candidates should submit a letter of research interests, curriculum vitae, and names and contact information for three references. Include Job Reference Number 00318 in your application. Please apply via (1) our website: [www.sfwmd.gov](http://www.sfwmd.gov); (2) e-mail: [hrprofjnl@sfwmd.gov](mailto:hrprofjnl@sfwmd.gov); or (3) mail to: 6520 Human Resources, South Florida Water Management District, P.O. Box 24680, West Palm Beach, FL 33416-4680. Please send a courtesy copy of submittal to: Dr. Carl Fitz, 4440 Everglades Department, P.O. Box 24680, West Palm Beach, FL 33416-4680. E-mail: [cfitz@sfwmd.gov](mailto:cfitz@sfwmd.gov).

### SPECIALIST POSITION TELOMERASE ENZYME

University of California, Berkeley

Specialist series appointment in biochemistry/molecular biology: 100% position available in molecular and cell biology. Duties are to conduct research by using molecular techniques to clone components of the telomerase enzyme from trypanosomes. Incumbent will use biochemical techniques to purify and characterize trypanosome telomerase and use database searching to investigate sequence homologies. Must work independently and as part of laboratory group and be responsible for organizing and presenting own research at meetings and in publications.

Qualifications: B.S. in the biological sciences. Prior research with trypanosomes is essential. Knowledge of telomerase, general enzymology, and molecular biology techniques is also essential. Approximate starting date: December 15, 2000. Salary is commensurate with experience; full benefits. Send résumé and names of three references by December 3, 2000, to: Assistant Professor Kathleen Collins, University of California Department of Molecular and Cell Biology, 401 Barker Hall, Berkeley, CA 94720-3204. The University of California is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITION** is open immediately to study substrate metabolism using stable isotopes. Position entails setting up and managing a GC/MS laboratory; collaborating on NIH-funded research regarding ethnic/racial differences in insulin and glucose metabolism; and establishing an independent research program. Expertise in analysis of 6,6D2-glucose with GC/MS required. Eligible for in-house research funds (\$37,000). Send curriculum vitae and contact information for at least two references to: Barbara A. Gower, Ph.D., Department of Nutrition Sciences, Division of Physiology and Metabolism, University of Alabama at Birmingham, Birmingham, AL 35294-3360.

## POSITIONS OPEN

### CURATORIAL ASSOCIATE ORNITHOLOGY

The Department of Ornithology at the American Museum of Natural History seeks a Curatorial Associate to manage curatorial operations of the largest bird collection in North America. This individual will be expected to supervise collection staff and help oversee all aspects of collection management including cataloging, preparation, preservation, loans, conservation, and pest management. Additional duties will include planning collection moves and computerization of records, participation in other improvement projects, and preparation of reports and grant proposals. Requirements for the position include a Ph.D., knowledge of birds of the world, a strong background in collection management, and experience with databasing and information systems. Experience with fieldwork and preparation of grant proposals is desirable. Salary: \$48,000 per annum plus benefits. Candidates should send the following application materials: Curriculum vitae (including e-mail contact address), statement of experience and professional goals, and copies of any relevant publications. Candidates should request letters of recommendation from at least three qualified reviewers. All materials should be sent to: Dr. Joel Cracraft, Curator in Charge, Department of Ornithology, Division of Vertebrate Zoology, American Museum of Natural History, New York, NY 10024 U.S.A. E-mail: [jlc@amnh.org](mailto:jlc@amnh.org). Evaluations will begin 15 December 2000 and will continue until the position is filled.

Equal Opportunity/Affirmative Action. Women and minority candidates are strongly urged to apply.

### CELL AND MOLECULAR NUTRITION PURDUE UNIVERSITY

We are seeking a **SCIENTIST** investigating the mechanism of action of nutrients, phytochemicals, or botanicals. A 10-month, tenure-track teaching/research position is available at a rank to be determined. Successful candidates must hold a Ph.D., D.V.M., or M.D. degree and demonstrate evidence of success in research and the ability to secure extramural funding. Teaching experience is desirable but not required. Postdoctoral experience or equivalent is preferred. More information about the Department and the application procedure is available at website: [www.cfs.purdue.edu/fdsnutr/jobopening.html](http://www.cfs.purdue.edu/fdsnutr/jobopening.html). Send materials to: Search Committee, Purdue University, Department of Foods and Nutrition, Stone Hall, Room 212, West Lafayette, IN 47907-1264. Purdue is an Equal Opportunity/Affirmative Action Employer.

### BIOTECHNOLOGY COMPANY POSITIONS

Primal, Inc., a new biotechnology company in downtown Seattle, is seeking **LABORATORY TECHNICIANS** in the following areas: (1) cell biology. These positions require individuals with mastery of sterile technique and tissue culture experience with mammalian cells; familiarity with embryonic stem (ES) cells is preferred. (2) Embryology. These positions require individuals who are competent in mouse embryo manipulation techniques, including embryo isolation and transfer, and who have experience in mouse husbandry.

Excellent benefits package including stock options. Please submit your résumé by mail to: Primal Inc., Human Resources Department, 1124 Columbia Street, Suite 650, Seattle, WA 98104. E-mail: [hr@primalinc.com](mailto:hr@primalinc.com). We are an Equal Opportunity Employer.

### POSTDOCTORAL/RESEARCH ASSOCIATE

**POSITION** available to study the roles of membrane channels and receptors in retinal synaptic transmission using patch clamp, optical image, and molecular biology techniques. Experience in electrophysiological recordings and molecular biology preferred. Send curriculum vitae and names of three references to: Dr. Zhuo-Hua Pan, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, 540 East Canfield Avenue, Detroit, MI 48201. E-mail: [zhpan@med.wayne.edu](mailto:zhpan@med.wayne.edu). Wayne State University is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### RESEARCH ENTOMOLOGIST/ MICROBIOLOGIST

The U.S. Department of Agriculture, Research, Education, and Extension, Agricultural Research Service (ARS), Northern Plains Area, Bee Biology and Systematics Laboratory, is accepting applications for a permanent, full-time Research Entomologist/Microbiologist to provide expertise that will contribute directly to the USDA Alternatives to Methyl Bromide initiative and the USDA Small Farms initiative. Specific research objectives are to (1) develop novel approaches for the management of chalkbrood (*Ascosphaera* spp.) in commercial scale populations of the alfalfa leafcutting bee, blue orchard bee, other bee pollinator species; (2) develop chemical and/or biological and cultural (e.g., sanitation) control methods for commercial-scale bee pollinator species; and (3) research the etiology of bee diseases by using culture media and diagnostic kits for isolation, identification, and enumeration of specific microorganisms. U.S. citizenship and a Ph.D. or equivalent is desired. Salary commensurate with experience (\$50,139 to \$91,589). For information on the research program and/or position, contact: Dr. W. P. Kemp; Telephone: 435-797-2525; e-mail: [wkemp@biology.usu.edu](mailto:wkemp@biology.usu.edu). A copy of the vacancy announcement will be available on the ARS website: [www.ars.usda.gov/afm/hrd/resjobs](http://www.ars.usda.gov/afm/hrd/resjobs). For information on application procedures, contact: John Watterson; Telephone: 435-797-3071. Applications in response to this advertisement should be marked ARS-X0W-0342 and should be mailed to: USDA, ARS, HRD, WOB, 5601 Sunnyside Avenue, Beltsville, MD 20705-5106. Applications must be postmarked by the closing date of 31 December 2000. USDA is an Equal Opportunity Provider and Employer.

### ECOLOGIST

The Institute of Ecosystem Studies (IES; website: [www.ecostudies.org](http://www.ecostudies.org)) seeks to appoint an Ecologist in fall 2001 as **ASSISTANT SCIENTIST** (equivalent to Assistant Professor). Area of specialization open and can include the interface of ecology and other disciplines. Doctorate, demonstrated excellence in research, and interest in collaborative research required.

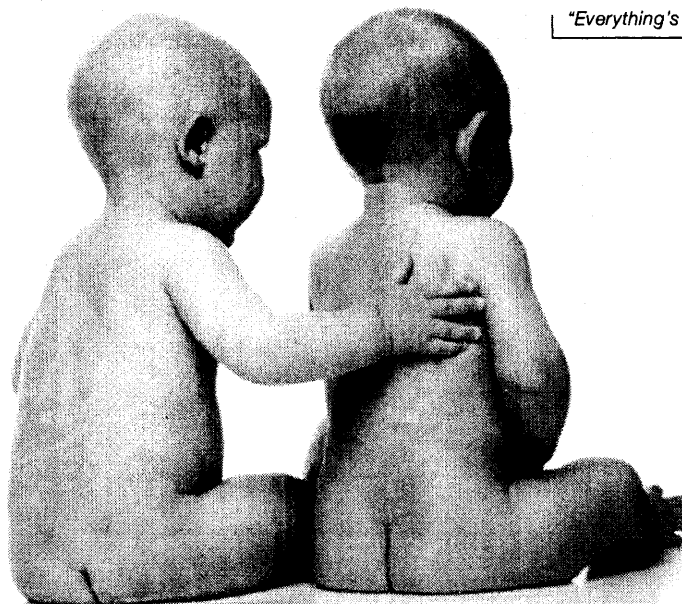
Applicants should submit a letter of application, a one-page statement of research interests, and curriculum vitae to: Suzanne S. Atherly, Manager of Human Resources, Institute of Ecosystem Studies, P.O. Box AB, Millbrook, NY 12545 U.S.A. or send to e-mail: [jobs@ecostudies.org](mailto:jobs@ecostudies.org). Please do not provide letters of reference at this time. Application deadline: January 15, 2001. For questions about this position, contact: Dr. Peter M. Groffman (Search Committee Chair) at e-mail: [groffmanP@ecostudies.org](mailto:groffmanP@ecostudies.org).

The Institute of Ecosystem Studies is an Affirmative Action/Equal Employment Opportunity Employer. Women and/or members of racial minority groups are strongly encouraged to apply.

**POSTDOCTORAL POSITION** is available immediately to study novel formulations of liposome encapsulated hemoglobin with oxygen-15 and other radiotracers to assess oxygen delivery, circulation time, and biodistribution. Three years of grant support are assured. Candidates should have a strong background in either liposome technology or hemoglobin-based blood substitutes. Applicants should send their curriculum vitae and three references to: Dr. William Phillips, Department of Radiology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, Mail Stop 7800, San Antonio, TX 78284-3900. FAX: 210-567-5549; e-mail: [phillips@uthscsa.edu](mailto:phillips@uthscsa.edu). The UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITION** is available to study exercise and cardiovascular diseases. Candidates must have M.D./Ph.D. degree in exercise-related projects. Strong communication and recruitment skills with a sound background in basic biomedical techniques are essential. Contact: Dr. Sampath Parthasarathy, Emory University School of Medicine, Department of Gynecology and Obstetrics, Division of Research, Atlanta, GA 30322 for further information.

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You'll find a creative and challenging environment

## We're looking for

### research scientist drug absorption [Mölndal]

A position as a Research Scientist in Drug Absorption is available at AstraZeneca R&D Mölndal Sweden. You should have a Ph.D. degree in drug absorption or related scientific areas, with experience from cell based techniques and basic pharmacokinetics. For further information regarding the position contact Dr. Anna-Lena Ungell, tel. +46 (0)31 776 16 39, Dr. Ulf Bredberg, tel. +46 (0)31 776 25 10 or union representative Maria Sjöström, tel. +46 (0)31 776 18 12.

*Please send your application marked "168/00 Research Scientist Drug Absorption" no later than November 15 to:  
AstraZeneca R&D Mölndal, Human Resources,  
Victoria Persson, SE-431 83 Mölndal, Sweden.*

**Further information regarding this and other available jobs can be found on our website. You can also e-mail your application:**

**[www.astrazeneca.se](http://www.astrazeneca.se)**

LEADING INNOVATION IN WORLD HEALTHCARE

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## POSITIONS OPEN

### POSTDOCTORAL/RESEARCH ASSOCIATE POSITION

University of Colorado School of Medicine  
Denver Health Medical Center

An NIH-funded position is available immediately to study the cellular and genetic mechanisms involved in the initiation and progression of a particular type of human lung cancer. A transgenic mouse model has been established and will be used to elucidate the mechanisms of this particular lung cancer. We are looking for a Scientist who is dedicated to biomedical research and has a solid background in cell biology, molecular biology, and cancer biology. Candidates with a recent Ph.D. degree and demonstrated experience in techniques including genetic analysis, signal transduction, and functional assays related to tumor progression are encouraged to apply. The successful candidate will work independently within a group.

Please send curriculum vitae, a brief description of research accomplishment and interests, and names of three references to: **Dr. Ming-Hai Wang, Ph.D., Department of Medicine, University of Colorado School of Medicine and Denver Health Medical Center, 777 Bannock Street, Mail 4000, Denver, CO 80204 U.S.A.** Applications will be accepted immediately until the position is filled.

Several **POSTDOCTORAL POSITIONS** in protein crystallography are available immediately to study cytokine signal transduction and guanylyl cyclases involved in physiological processes such as blood pressure regulation (*Nature* 406:101-104, 2000). Applicants should be experienced in either macromolecular crystallography or in molecular biology and protein expression/purification. The successful applicants will enjoy a rich environment within the Institute that is renowned in signal transduction as well as a broad structural biology community that includes Case Western Reserve University. The laboratory is located in state-of-the-art facilities in the Lerner Research Institute, which is also a partner in a synchrotron beamline at the Advanced Light Source. Please send curriculum vitae, list of three references, and cover letter indicating future goals to: **Dr. Focco van den Akker, Department of Molecular Biology/NB20, Lerner Research Institute, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195.** E-mail: vandenf@ccf.org; website: www.lerner.ccf.org/labs/yee/. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITION** is available in the Transmissible Diseases Department of the American Red Cross to investigate molecular and immunologic aspects of interactions between the *Ehrlichia* and blood donors. Projects will support epidemiologic studies of ehrlichial infection in blood donors, but other areas of investigation may be integrated with these studies including host/pathogen interactions, antimicrobial mechanisms, etc. This is a new program area in the laboratory of **David A. Leiby, Ph.D.**, and will afford the candidate the opportunity to play a major role in the development and evolution of this program. Applicants should have a Ph.D. and/or M.D. with experience in immunology, molecular biology, and epidemiology. Please send curriculum vitae, summary of research experience, and three references to: **American Red Cross, Holland Laboratory, HR (HL-184), 15601 Crabbs Branch Way, Rockville, MD 20855.** E-mail: monicah@usa.redcross.org.

**POSTDOCTORAL RESEARCH ASSOCIATE.** Positions available to candidates with a background in mechanistic enzymology or in organic chemistry interested in studying enzyme mechanisms using mechanism-based inhibitors, affinity labeling, and protein chemistry on modified enzyme. Please respond to: **Chris Whitman, Medicinal Chemistry Division, PHR 4.220B, College of Pharmacy, The University of Texas, Austin, TX 78712.** Applications will be accepted until suitable candidates are found. The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### POSTDOCTORAL POSITION CHILDREN'S HOSPITAL HARVARD MEDICAL SCHOOL

A position is available immediately to study the biochemistry, cell biology, and molecular genetics of serine proteinase inhibitors (serpins) implicated in apoptosis and protection against cellular injury. This Ph.D. Scientist should have a strong background in biochemistry and cell/molecular biology. Strong preference for candidates with experience using *C. elegans* as a model to study mammalian proteins. Send curriculum vitae and three references to: **Gary A. Silverman, M.D., Ph.D., Harvard Medical School, Children's Hospital, 300 Longwood Avenue, Enders 970, Boston, MA 02115.** FAX: 617-355-7677; e-mail: silverman\_g@hub.tch.harvard.edu; website: www.childrenshospital.org/silverman/.

### POSTDOCTORAL POSITIONS LABORATORY OF NEUROSCIENCES NATIONAL INSTITUTE ON AGING

A newly reorganized Laboratory of Neuroscience of the National Institute on Aging is recruiting **POSTDOCTORAL SCIENTIST** positions within its intramural program. Applicants must have an established record of scientific accomplishment within the neurobiology of aging or related fields and possess a strong publication record. Preference will be given to applicants with expertise in the following areas: (1) stem cell biology, (2) electrophysiological and/or imaging analyses of synaptic plasticity in brain slice or dissociated cell preparations, (3) molecular manipulation of the mouse genome with preference for individuals with a background in neurodegenerative disorders, (4) behavioral analyses of mouse learning and memory and/or stress responses, (5) analyses of insulin signaling pathways and/or genes regulating aging and longevity in *C. elegans*. These positions provide access to unique resources and a stimulating, interactive research environment that includes laboratories headed by **Mark Mattson (Chief), Nigel Greig, Katsutoshi Furukawa, Donald Ingram, Mark Lane, and Mahendra Rao.** Website: www.grc.nia.nih.gov/Branches/lms/httl/httl/htdocs/index.html.

Applicants should send curriculum vitae and three letters of recommendation to: **Mark Mattson, Chief, c/o Personnel Office, Box 26, National Institute of Aging, 5600 Nathan Shock Drive, Baltimore, MD 21224-6823.** NIH is an Equal Opportunity Employer.

### UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

Department of Pediatrics: A **POSTDOCTORAL POSITION** is available to study cellular-level mechanisms of carotid chemoreceptor oxygen sensing with emphasis on postnatal development (see *J. Physiol.* 1999 January 15:514; (Pt 2):493-503). Patch clamp and related electrophysiology experience (in neuronal or other tissue) is essential. Applicants should send curriculum vitae and names (including e-mail addresses) of three references to: **Dr. John L. Carroll, Department of Pediatrics; FAX: 501-320-3930; e-mail: carrolljohnl@exchange.uams.edu.** University of Arkansas for Medical Sciences is an Affirmative Action/Equal Opportunity Employer.

**POSTDOCTORAL POSITION** to study the mitochondrial cell death pathway from the perspective of BCL-2 family. A strong background in biochemistry, molecular biology, or cell biology is desirable. Please send curriculum vitae and names of three references to: **Jiping Zha, M.D., Ph.D., Department of Pathology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75590-9072.** E-mail: jiping.zha@utsouthwestern.edu. An Equal Opportunity Employer.

## POSITIONS OPEN

### POSTDOCTORAL POSITION YALE UNIVERSITY SCHOOL OF MEDICINE

Our laboratory studies how RNA molecules are folded, processed, assembled with proteins, and sorted to their destinations within cells. We use genetics and biochemistry in both yeast and mammalian cells to examine the functions of RNA-binding proteins that play important roles in these processes (see *Genes and Dev.* 14:777-782; *EMBO Journal* 19:1650-1660; *EMBO J.* 17:7442-7453; *Cell* 89:393-402). Candidates should possess a recent Ph.D. degree and have experience in genetics, biochemistry, or molecular biology. Please send curriculum vitae, a brief summary of research experience, and the names of three references to: **Dr. Sandra L. Wolin, Departments of Cell Biology and Molecular Biophysics and Biochemistry, Howard Hughes Medical Institute, Yale University School of Medicine, 295 Congress Avenue, New Haven, CT 06536.** E-mail: sandra.wolin@yale.edu.

### POSTDOCTORAL POSITIONS IN CELL BIOLOGY

Positions are available immediately to study signaling and intracellular trafficking of tyrosine kinase receptors in cancer cells. Research will utilize biochemical, biophysical, and morphological methods including proteomics, live-cell imaging, and FRET microscopy. Training in molecular biology is helpful. Salary is competitive. Please send applications to: **Dr. Alexander Sorkin, Department of Pharmacology, University of Colorado Health Sciences Center, 4200 East Ninth Avenue, Denver, CO 80262.** E-mail: alexander.sorkin@uchsc.edu; website: http://porsche.uchsc.edu/pharm/faculty/sorkin/index.htm.

UCHSC is committed to Equal Employment Opportunity/Affirmative Action.

**POSTDOCTORAL POSITION** available to study transcriptional regulation in mammalian cells and their associated viruses. Our goal is to define the roles of human general cofactors (TFIID, PC4, and Mediator) and RNA polymerase II holoenzyme in transcribing naked DNA and chromatin (see *EMBO J.* 17:4478; *JBC* 274:23480). We are also interested in hormone receptor functions and transcriptional control in human papillomaviruses (see *MCB* 20:113). Interested candidates should submit applications including curriculum vitae, copies of publications, statement of research interests, and names of three references to: **Dr. Cheng-Ming Chiang, Department of Biochemistry, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4935.** E-mail: c-chiang@biochemistry.cwru.edu; website: http://www.cwru.edu/med/biochemistry/faculty/chiang.html.

Illinois: **POSTDOCTORAL POSITION** available to candidates with strong background in molecular biology and/or biochemistry to investigate the molecular mechanisms of immune homeostasis. Specific areas of interest in the laboratory include the regulation of T cell homeostasis and memory (*Immunity* 9:669, 1998) and innate immune regulation (*Science* 289:2350, 2000). Mail curriculum vitae and names of three references to: **Dr. Averil Ma, The University of Chicago, 5841 South Maryland Avenue, MC 6084, Chicago, IL 60637.** FAX: 773-702-2281; e-mail: ama@medicine.bsd.uchicago.edu. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

**POSTDOCTORAL POSITION** is available to join an interdisciplinary team modeling the signal transduction mechanism governing chemotaxis in *Dictyostelium*. Strong background in cell biology and biochemistry as well as familiarity with quantitative methods is required; previous experience with mathematical models is an asset. Contact: **Pablo Iglesias, Department of Electrical Engineering, Johns Hopkins University, Baltimore, MD 21218.** E-mail: pi@jhu.edu. An Equal Employment/Affirmative Action Employer.

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**The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization** with its Headquarters in **Vienna, Austria** is the international organization setting up the global verification system foreseen under the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which is the Treaty banning any nuclear weapon test explosion or any other nuclear explosion. The Treaty provides for a global verification regime, including a network of 321 stations worldwide, a communications system, an international data centre and on-site inspections to monitor compliance.

We seek to recruit highly qualified candidates for the following positions:

**POST:** **FUSION AND REVIEW OFFICER/GEOPHYSICIST**  
**VACANCY ANNOUNCEMENT NO:** **VA243-41-2000/Rev.1** **GRADE:** **P-4**

**DUTIES AND RESPONSIBILITIES:** Provide advice on the production of bulletins on fused events through the review of integrated data and products. Ensure that the final review of the International Data Centre (IDC) products meet and maintain specific standards of quality in all levels of data acquisition and product compilation, providing advice as necessary. Perform in-depth analysis and scientific investigation of detected seismic, hydroacoustic and infrasound phenomena of interest. Act as primary liaison point for discussions on bulletins and quality control matters and for the guidance and training of trainees assigned to the Section.

**QUALIFICATIONS:** Advanced university degree in geophysics or a related field. At least seven years of relevant working experience in the field of observational seismology, hydroacoustic or infrasound preferably including a good knowledge of UNIX Operations Systems and SQL. Fluency in English and excellent communication skills and a good knowledge of at least one other of the official languages of the CTBTO Preparatory Commission.

**POST:** **RADIONUCLIDE OFFICER**  
**VACANCY ANNOUNCEMENT NO:** **VA81-39-2000/Rev.1** **GRADE:** **P-4**

**DUTIES AND RESPONSIBILITIES:** Assess the performance of radionuclide processing and data fusion for the Radionuclide and Fusion Methods Unit, International Data Centre Division (IDC). Identify areas of potential improvements to radionuclide processing for detection networks including acquisition of development of new software. Help define projects to realize potential improvements. Conduct projects to improve the performance of radionuclide data and fusion processing.

**QUALIFICATIONS:** Advanced university degree in nuclear physics or a related field and experience in the use of radionuclide analysis software. At least seven years experience with radionuclide data processing and methods. Experience with large databases, in particular with Oracle/SQL databases, knowledge of data analysis and display software. Experience in quantitative research using computers and processing large volumes of data preferably in a UNIX environment. Fluency in English and excellent communication skills and a good knowledge of at least one other of the official languages of the CTBTO Preparatory Commission.

**DEADLINE FOR APPLICATIONS:** **1 December 2000**  
**REPORTING DATES :** **As soon as possible**

**REMUNERATION/CONTRACT:**

Depending on professional background and experience, indicative taxfree annual net base salary (inclusive of a variable element for post adjustment) from US\$ 56,388.- (without dependants) and US\$ 60,552.- (with dependants), subject to deductions of contributions to the CTBTO Provident Fund and Health Insurance Scheme. Additional benefits include, when applicable, dependency allowance, education grant for children, rental subsidy, six weeks vacation per year, home leave travel every two years. Initial contract for fixed-term of three years.

For more information, see the CTBTO Preparatory Commission's home page: <http://www.ctbto.org>. When applying, please quote the number of the vacancy announcement and complete the CTBTO Preparatory Commission's Personal History Form, which is obtainable from the home page. If the form is not available, send a detailed curriculum vitae, including information on date of birth, nationality, employment history and references. Please note that it is in your interest to supply a complete and updated set of personal data. CTBTO Preparatory Commission, Personnel Section, Vienna International Centre, Room E0978, P.O. Box 1200, A-1400 Vienna. Tel: (43.1) 26030 6210. Fax: (43.1) 26030 5897. E-mail: [ctbto\\_personnel@ctbto.org](mailto:ctbto_personnel@ctbto.org) The CTBTO Preparatory Commission reserves the right to undertake correspondence only with shortlisted candidates.

THE PREPARATORY COMMISSION FOR THE COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION IS  
COMMITTED TO A POLICY OF EQUAL EMPLOYMENT OPPORTUNITY.  
APPLICATIONS FROM QUALIFIED FEMALE CANDIDATES ARE PARTICULARLY ENCOURAGED.



## POSITIONS OPEN

### POSTDOCTORAL POSITION C. ELEGANS MUSCLE AND CYTOSKELETON

Emory University School of Medicine  
Pathology and Laboratory Medicine

An NIH-funded Postdoctoral position will be available beginning January 1, 2001. Our laboratory is interested in the mechanisms by which the contractile apparatus of muscle and other cytoskeletal structures in nonmuscle cells are assembled. Several possible projects are available including (1) the architectural and signaling roles of a giant polypeptide (UNC-89) in this assembly; (2) the identity and function of several mutationally defined genes that affect the intermediate filament network in muscle; and (3) the function of nematode homologs to vertebrate titin, the largest known polypeptide.

Candidates should have a Ph.D. in cell or molecular biology or genetics or an M.D. with similar research experience. Although not a prerequisite, individuals having prior laboratory exposure to *C. elegans* or *Drosophila* will be given preference.

Please send curriculum vitae, name of two references, and a short summary of past research to:

Guy Benian

Associate Professor

Departments of Pathology and Cell Biology  
Woodruff Memorial Building, Room 7109A  
Emory University  
Atlanta, GA 30322

E-mail: pathgb@bimcore.emory.edu

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### POSTDOCTORAL POSITIONS IMMUNOLOGY AND CANCER BIOLOGY Kansas State University

Positions available to study the regulation of cell adhesion and motility as part of a multi-institutional NIH-funded project in novel anticancer therapeutics. Research projects encompass mechanisms of T cell migration and chemotaxis, tumor cell invasion and metastasis, and the regulation of integrins. The role of tetraspanins and the effect of tetraspanin-targeting reagents in these systems will be evaluated. Prior experience in cell and molecular biology required. Competitive salary, benefits, and a great community. Send curriculum vitae and names of three references with contact information to: **Scott C. Todd, Ph.D., Program in Molecular Cell and Developmental Biology, 18 Ackert Hall, Kansas State University, Manhattan, KS 66506. E-mail: stodd@ksu.edu; website: www.ksu.edu/tetraspan. KSU is an Equal Opportunity Employer and highly encourages diversity among its employees.**

**POSTDOCTORAL POSITION(s)** available to study the impact of chemokine, chemokine receptor, and cytokine genotypes on HIV pathogenesis including the impact on mother-to-infant transmission, disease progression, and the development of central nervous system impairment. Additional research opportunities will examine HIV-1 genotypes/phenotypes that impact on host-virus interactions and alter disease pathogenesis. Experience in molecular biological techniques required. Spoken and written fluency in English required. Applicants should provide curriculum vitae to: **Stephen A. Spector, M.D., University of California, San Diego, Stein Research Building, 9500 Gilman Drive, La Jolla, CA 92093-0672. Telephone: 858-534-7055; FAX: 858-534-7411; e-mail: saspector@ucsd.edu.**

**POSTDOCTORAL POSITION** is available to study mechanisms of inherited retinal degenerations using molecular biology, biochemistry, and cell biology approaches. Please send application to: **Dr. Tiansen Li, Massachusetts Eye and Ear Infirmary, Harvard Medical School, 243 Charles Street, Boston, MA 02114. FAX: 617-573-3216; e-mail: tli@meei.harvard.edu; website: www.howelaboratory.harvard.edu.**

## POSITIONS OPEN

**POSTDOCTORAL OPPORTUNITIES** in molecular and cellular pathogenesis of *Yersinia pestis*. Several openings are available to investigate and gain expertise in a pathogenesis model system at the forefront of molecular and cellular bacterial pathogenesis. In a new collaborative project in the laboratories of **Susan Straley** and **Robert Perry**, signature-tagged mutagenesis and functional genomics will be employed to identify mechanisms operating early in pneumonic plague. The work will focus on finding and characterizing novel adhesins and invasins that function in the lung and identifying critical events in pneumonic plague pathogenesis. The excitement of the project is that it is a totally new area: pneumonic plague simply hasn't been studied, and all discoveries will be novel and interesting. In **Dr. Straley's** laboratory, additional projects involve determining the molecular target(s) of YopM, a *Yersinia* virulence protein that is targeted by the bacteria to the nucleus of eukaryotic host cells and studying the targets of the V antigen in pathogenesis. The work will provide experience in molecular genetic technology to create tools for the experiments, protein interaction screening technology, cell biology, and some immunology. Please contact e-mail: **scstra01@pop.uky.edu**. In **Dr. Perry's** laboratory, projects involve the identification and analysis of factors of *Yersinia pestis* involved in growth and survival in fleas and in transmission of plague from fleas to mammals. The research will involve prokaryotic molecular genetics and analysis of gene regulation, protein interactions, and infections in fleas. Additional projects involving the genetics, regulation, and role of iron/heme transport systems in iron acquisition and virulence in mammals and fleas are also available to interested candidates. Please contact e-mail: **rperry@pop.uky.edu**. The Department has a strong pathogenesis group and training environment with seven bacterial, one protozoal, four viral, one mycotic, and one prion pathogenesis faculty. Mailing address: **Department of Microbiology and Immunology, University of Kentucky College of Medicine, MS415 Chandler Medical Center, Lexington, KY 40536-0298. The University of Kentucky is an Equal Opportunity Employer.**

### UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN POSITION ANNOUNCEMENT

The Department of Molecular and Integrative Physiology at the University of Illinois at Urbana-Champaign has a full-time **POSTDOCTORAL RESEARCH ASSOCIATE** position available to study the mechanisms of transcriptional regulation by steroid and thyroid hormone receptors. The study will focus on the roles of novel coactivator and corepressor proteins in transcription. Candidates must have a Ph.D. with a strong background in molecular biology and biochemistry. Salary is commensurate with experience. Proposed starting date is February 1, 2001. In order to ensure full consideration, applications must be received by January 31, 2001. Please submit a letter of application, curriculum vitae, and names and addresses of three references to: **Dr. Milan Bagchi, c/o Denise A. Wells, Staff Secretary, Department of Molecular and Integrative Physiology, University of Illinois at Urbana-Champaign, 524 Burrill Hall (MC-114), 407 South Goodwin Avenue, Urbana, IL 61801. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.**

**POSTDOCTORAL POSITION:** The Neurosciences Institute, La Jolla, California. A position is available immediately for a skilled molecular and cellular neurobiologist for projects to identify gene circuits, regulatory elements, and transcription factors that respond to neuronal activity and pharmacological manipulations. Candidates having experience in one or more of the following skills are particularly attractive: promoter identification in genomic DNAs, neuronal cell culture techniques, bioinformatic approaches to gene networks. Please send curriculum vitae and list of references to: **Frederick S. Jones, Ph.D., The Neurosciences Institute, 10640 John Jay Hopkins Drive, San Diego, CA 92121. FAX: 858-626-2099.**

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS GENE THERAPY OF MUSCULAR DYSTROPHY

Positions are open to join studies of gutted adenovirus, AAV and lentivirus vector modification for gene transfer to muscle and stem cells, molecular genetics of MDs, and development of clinical trials. Please send a summary of research experience, curriculum vitae, and the names of three references to: **Dr. Jeffrey S. Chamberlain, Department of Neurology, Box 356465, University of Washington, Seattle, WA 98195-6465. E-mail: Chamber2@umich.edu.**

## GLOBAL OPPORTUNITIES

A growing, dynamic Department of Food Engineering and Biotechnology at the Technion-Israel Institute of Technology, Haifa, Israel, seeks highly motivated individuals for **TENURE-TRACK ACADEMIC POSITIONS** in the areas which integrate engineering and biology. Such areas include biochemical engineering, process control and optimization, downstream processing, fermentation technology, enzyme technology, tissue engineering, metabolic engineering, and protein engineering.

The successful candidates with postdoctoral or industrial experience are expected to establish an externally funded research program and participate in teaching undergraduate and graduate courses (Hebrew being the main teaching language). Applications, including curriculum vitae, short research program, and publication list should be sent by December 31, 2000, to: **Professor Uri Cogan, Dean, Department of Food Engineering and Biotechnology, Technion-Israel Institute of Technology, Haifa 32000, Israel.**

## ANNOUNCEMENTS

### U.S. POSTAL SERVICE

Statement required by the Act of 12 August 1970, Section 3685, Title 39, United States Code, showing the ownership, management, and circulation of:

1-9. *Science*, Publication No. 0036-8075, is published weekly on Friday, except the last week in December, at 1200 New York Ave., NW, Washington, DC 20005. Date of filing: 16 October 2000. This is also the address of the publisher, the editor, and the managing editor, who are, respectively, Richard S. Nicholson, Donald Kennedy, and Monica M. Bradford.

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I certify that the statements made by me above are correct and complete. (signed) *Marlene Zendell*, Deputy Director, Membership/Circulation.

## 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 in the Faculty of Medicine

Applications are invited for appointments as Research Assistant Professor (RAP) (5 positions) (Ref: RF-2000/2001-132) and Post-doctoral Fellow (PDF) (5 positions) (Ref: RF-2000/2001-133) in the Faculty of Medicine, tenable before 30 June 2001. Appointments will be made for a period of 2 years.

The Faculty of Medicine comprises 17 departments and a number of research centres/institutes. The RAP and PDF posts will be allocated to those departments/centres/institutes for which outstanding candidates can be identified. The posts are created with the aim of injecting fresh impetus and vigour to the Faculty's research areas, 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

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. \$5,520, \$5,922, \$6,318 and \$6,718 per month; US dollar equivalents as at 12 October 2000). 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.

### Post-doctoral Fellows

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. \$3,947, \$4,321, \$4,736 and \$5,192 per month; US dollar equivalents as at 12 October 2000). Annual leave, medical and dental benefits and an allowance for children's education in Hong Kong will be provided.

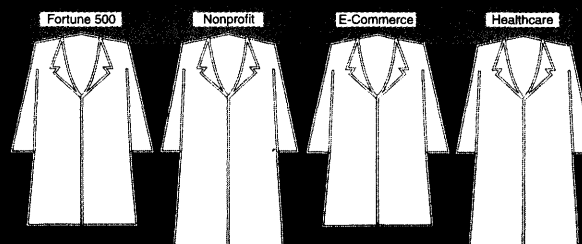
### Procedures

Interested applicants are strongly advised to visit the homepages of the Faculty (<http://www.hku.hk/facmed/>) and the Departments, and contact the relevant researchers to find out if there is a match of research interests, prior to making an application. Applicants must submit a completed University application form, which should clearly state which position they are applying for; and in which department. Applicants should also provide details of their research experience (up to 2 pages only) and a list of their publications.

Further particulars and application forms can be obtained 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](mailto:apptunit@reg.hku.hk)). Enquiries on the Faculty's research portfolio may be directed to Professor Y S Chan, Associate Dean (Research) (e-mail: [yschan@hku.hk](mailto:yschan@hku.hk)) or Ms Fontaine Au, Administrative Assistant (e-mail: [fontaine@hku.hk](mailto:fontaine@hku.hk)). Closes **16 December 2000**.

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Called Insight USA 2001, it's been designed to help you discover what it's like to tackle the most stimulating and complex issues facing businesses and societies today – and shape and influence an incredibly diverse range of organisations in every industry sector in every part of the globe.

Over the course of the weekend, working with others on real client problems, you'll find out about our work, our approach to problem solving, our distinctive culture, our values and our people. You'll also get a taste of a challenging career where you'll share ideas with like-minded colleagues, discover your full potential, define your role – and even your world.

Insight USA 2001: 18-21 January 2001. Biltmore Hotel, Coral Gables, Florida (all travel and accommodation expenses will be covered by McKinsey).

Please visit our web site [www.mckinsey.it/insightusa2001](http://www.mckinsey.it/insightusa2001)

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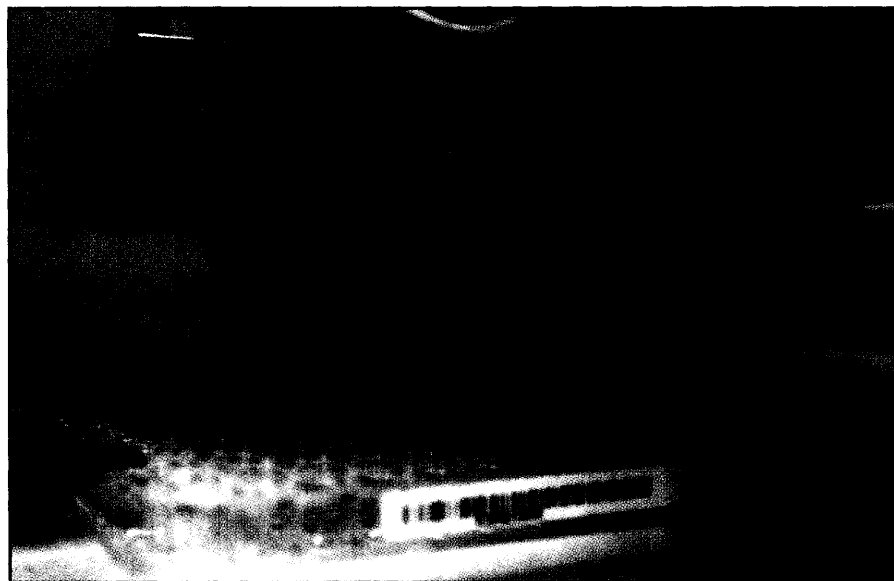
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