

## DISPLAY CLASSIFIED ADVERTISEMENTS

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## LINE CLASSIFIED ADVERTISEMENTS

### How to Submit a Line Classified Ad:

Send your ad text to: e-mail: science\_classifieds@aaas.org; fax: (202) 289-6742. You must include your telephone number, billing address, and purchase order number in your e-mail or fax. Do not bold, italicize, or abbreviate any words. SCIENCE will edit and typeset ads according to SCIENCE style. **SCIENCE cannot provide proofs of typeset line ads.** Available categories: Positions Open, Meetings, Announcements, and Courses and Training. Line advertisements are not commissionable.

**Estimates:** SCIENCE will provide a cost estimate for line ads. **This is an approximate cost only.** Purchase orders must allow for variation between estimated lines and actual typeset lines and resulting final cost.

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**Credit Cards:** SCIENCE accepts American Express, MasterCard and VISA. Discount does not apply to credit cards.

**Cancellations:** Deadline for cancellation is Tuesday, 10 days prior to issue date.

**Discounts:** A 3% cash discount is granted to all prepaid ads.

**Ads from Outside the U.S.:** A discount of \$30 will be offered to advertisers making payment in U.S. dollars by checks drawn on U.S. banks. Contact Debbie Cummings. Telephone: +44(0) 1223 302067; FAX: +44(0) 1223 576208.

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1200 New York Avenue, N.W., Room 911  
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SCIENCE reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.

## POSITIONS OPEN

### THE UNIVERSITY OF TEXAS AT ARLINGTON

invites nominations and applications for the position of

#### DEAN, COLLEGE OF SCIENCE

The University of Texas at Arlington, the second largest component of the University of Texas System, is strategically located in the Dallas/Fort Worth metroplex. The College of Science consists of the Departments of Biology, Chemistry and Biochemistry, Geology, Mathematics, Physics, and Psychology and offers a wide range of Bachelor's, Master's, and doctoral degrees. The college currently has 100 faculty, 250 graduate students, and 2,600 undergraduates. See also website: <http://www.uta.edu/cos/>.

Applicants should be scientists with a distinguished record of academic/professional accomplishments who have an earned doctorate and credentials suitable for a tenured Professor appointment in one of the departments in the College. The successful applicant will be expected to lead a strong research and educational program, interact positively with students, and should possess exceptional qualities of leadership and technical strength as well as demonstrated communication and managerial skills. Inquiries, letters of application, and names and e-mail addresses of three to five references, accompanied by a résumé and reprints of three recent papers from refereed journals, should be sent to:

Dr. Lynn Peterson  
Chair, Dean of Science Search Committee  
Box 19019  
The University of Texas at Arlington  
Arlington, TX 76019  
Telephone: 817-272-5503  
FAX: 817-272-2548  
E-mail: [peterston@uta.edu](mailto:peterston@uta.edu)

Applications received by November 1, 1997 will receive first consideration for on-campus interviews. The anticipated starting date is September 1, 1998. *UT Arlington is an Equal Opportunity/Affirmative Action Employer.*

### TENURE-TRACK FACULTY POSITIONS NEUROBIOLOGY PROGRAM Children's Memorial Institute for Education and Research (CMIER) and Northwestern University Institute for Neuroscience Northwestern University Medical School

The developmental neurobiology program at CMIER is seeking outstanding candidates for two tenure-track positions. Applicants should have a Ph.D. or M.D. degree and significant postdoctoral training. Appointments are planned at the ASSISTANT PROFESSOR level, but applicants at higher levels will be considered. Salary will be competitive and the starting data flexible. The successful candidate will be expected to establish an independent, externally funded research program and to teach at the graduate level. Laboratory will be located in the new CMIER building located in the Lincoln Park area of Chicago. Substantial resources and state-of-the-art facilities are available. The successful applicant will be appointed to a full-time tenure-track position in the Department of Pediatrics and will have a secondary appointment in an academic department at Northwestern University. Suitable areas of expertise include, but are not limited to: neural tube formation and regionalization, mechanisms of neurogenesis and neuronal determination, neuronal stem cells, neuronal-glial interactions, molecules involved in patterning and axonal guidance, neurotrophic factor signaling, cell death mechanisms, and gene or cell therapies for diseases or injuries to the nervous system. In order to ensure full consideration, applicants should send a curriculum vitae, a statement of research accomplishments and future goals, and three letters of recommendation by November 1, 1997, to: Martha C. Bohn, Ph.D., Director, CMIER Neurobiology Program, Children's Memorial Hospital, 2300 Children's Plaza, Box 209, Chicago, IL 60614. E-mail: [mbohn@nwu.edu](mailto:mbohn@nwu.edu). *Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Women and minorities are encouraged to apply.*

## POSITIONS OPEN

### FACULTY POSITIONS POPULATION ECOLOGIST/ EVOLUTIONARY BIOLOGIST

The Department of Zoology at the University of Toronto invites applications for two tenure-track positions at the ASSISTANT PROFESSOR level effective 1 July 1998. We seek (1) an Ecologist whose research addresses population processes with a combination of theoretical, experimental, and field approaches and (2) an Evolutionary Biologist whose primary research interests focus on mechanisms of evolution operating at the organismal level. Successful candidates will be expected to develop vigorous, externally funded research programs, train graduate students, and participate in departmental teaching at both the graduate and undergraduate levels. A Ph.D. and postdoctoral experience is expected. Applicants must submit a curriculum vitae, copies of up to four recent publications, a statement of present and projected research and teaching interests not to exceed three pages, and arrange for three letters of reference to be forwarded by the closing date of 30 November 1997. Applicants applying for both positions need send only one set of documents.

Applications should specify the position(s) applied for and be sent to either: (1) Professor Ann Zimmerman, Chair, Ecology Search Committee or (2) Professor Jim Rising, Chair, Evolutionary Search Committee, Department of Zoology, Ramsay Wright Zoological Laboratories, University of Toronto, 25 Harbord Street, Toronto, Ontario M5S 3G5 Canada.

*In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. The University of Toronto encourages applications from qualified women or men, members of visible minorities, aboriginal people, and persons with disability.*

### DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF CALIFORNIA, DAVIS DEVELOPMENTAL PSYCHOBIOLOGIST

The Psychology Department at the University of California, Davis, invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level to begin in July of 1998. Requirements for the position include: a Ph.D., a strong commitment to quality teaching at both graduate and undergraduate levels, and a well-defined research program in some area related to the biology of behavioral development. Preference will be given to candidates with at least two years of postdoctoral experience and demonstrated ability to obtain extramural funds. Interested applicants should submit curriculum vitae, statement of research and teaching interests, evidence of success in teaching, representative reprints or preprints, and three letters of reference. Review of applications will commence on October 15, 1997, and continue until the position is filled. Send applications to: Developmental Psychobiology Search Committee, Department of Psychology, One Shields Avenue, University of California, Davis, CA 95616-8686. For information, contact the Search Committee Chair, Don Owings, at the above address or via the Internet, e-mail: [dhowings@ucdavis.edu](mailto:dhowings@ucdavis.edu).

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

### FACULTY POSITION FRED HUTCHINSON CANCER RESEARCH CENTER

We are seeking to fill one ASSISTANT, ASSOCIATE, or FULL MEMBER position in the area of cancer genetics. The successful candidate is expected to develop an independent research program that exploits recent advances in the human genome project. We seek a candidate with interests in genome technology and in collaborating population-based studies on the genetic basis of cancer. The position will be within the Division of Public Health Sciences, and will be part of a cross-disciplinary Genetics Program at the Fred Hutchinson Cancer Research Center (FHCRC), with the opportunity for an affiliate appointment at the University of Washington. Candidates should send a curriculum vitae and a concise statement of their research plans along with three letters of reference to:

Cancer Genetics Search Committee  
Fred Hutchinson Cancer Research Center  
1100 Fairview Avenue, North Mailstop: A2M-015  
P.O. Box 19024  
Seattle, WA 98109-1024

Application deadline: December 31, 1997

*Fred Hutchinson Cancer Research Center is an Equal Opportunity Employer committed to workforce diversity.*

# The Search For Cures Begins With A Search For The Best.

At Pfizer, we entrust the enormous task of discovering treatments and cures for major diseases to some of the world's most gifted scientific talents. Our Fortune 100 company maintains a commitment to R&D that's unrivaled in our industry, as we've invested a total of \$9.4 billion since 1990 and expect a 1997 R&D investment of approximately \$2 billion. The only other investment that comes close is the one we make in our people.

Here, we realize that to attract the best, we must offer the best. That's why we provide a collegial, collaborative and multidisciplinary environment of leading-edge science that lets you create new professional opportunities, advance your education and balance your work and personal life, all while making the fullest contribution possible to the drug discovery process at Pfizer. If you've been searching for the chance to shape the future of the pharmaceutical industry, join us at Pfizer.

In addition to providing competitive salaries, we offer an excellent compensation package, comprehensive flexible benefits and generous relocation support. For immediate consideration, please forward your resume and a description of relevant research, interest and experiences to: Employee Resources, Pfizer Inc., Central Research Division, Job Code #\_\_\_\_\_, Eastern Point Road, Groton, CT 06340. For more information on career opportunities available at Pfizer, please visit our Web site: <http://www.pfizer.com>. We are an equal opportunity employer dedicated to diversity M/F/D/V.

## NEUROSCIENCE

### Ph.D. Scientist - Neuroscience/Pharmacology

A position is available for a research scientist with a Ph.D. in Neuroscience, Pharmacology or related discipline to join a group engaged in the discovery of novel psychotherapeutic agents. Therapeutic areas of interest include depression, anxiety, psychosis, substance abuse and sleep disorders. We seek an individual skilled in an array of neurochemical and neuropharmacological techniques, with expertise in one or more of the following: In Vitro Pharmacology (receptor binding, second messenger systems, enzymatic assays, neurotransmitter release); Molecular Biological Techniques; Neuroanatomy; In Vivo Approaches to Neuroscience (biochemical, behavioral, neuroendocrine). At least 2 years' post-doctoral experience are required, with preference given to applicants having strong written and verbal communication skills who demonstrate potential for project leadership. **Job Code: 2271**

### BS/MS Scientist - Neuroscience

We are looking for a BS/MS Scientist to work in a Neuroscience drug discovery group seeking novel pharmacotherapeutic agents to treat anxiety, depression, psychosis or substance abuse. Experience in one or more of the following: receptor binding, second messenger systems, enzymatic assays, ion flux, neurotransmitter uptake and release. **Job Code: 2273**

## OTHER BIOLOGICAL RESEARCH POSITIONS

### Ph.D. Scientist - Inflammation Biology

We are seeking a scientist to join an established team focused on the discovery of novel therapies for arthritis and other inflammatory conditions. The successful candidate should be familiar with inflammatory biology and inflammatory diseases and will be expected to initiate novel discovery approaches and develop methods for evaluation of compounds in vitro and in vivo. A Ph.D. in Pharmacology, Immunology, Physiology or related discipline, plus at least 2 years of post-doctoral research experience and experience in the use of in vivo models are required. Experience in evaluation of drug candidates is preferred. In addition, we expect supervisory skills to be well developed. **Job Code: 2261**

### BS/MS Scientist - General Pharmacology

Join a talented, multidisciplinary team and provide biochemical pharmacology support to the discovery and development of novel therapeutic agents. Some in vivo studies will be required. Candidates should possess 2 years' experience with in vitro receptor binding, enzyme assays, second messenger assays, Ca++ signaling, and in vivo work. The proven ability to work independently and strong written and oral communication skills are highly desirable. **Job Code: 2270**

### BS/MS Scientist - Cancer Biology

Work in a laboratory with a major focus on in vivo pharmacology (e.g. efficacy and PK) of lead molecules/candidates in cancer program. Working with other project team members to provide key data necessary for achieving timely assessment of compounds. Contribute to the identification and implementation of new technology consistent with the focus of the cancer program. BS/MS in Biological Science with 3 years' experience in a research laboratory are the minimum required, with 3 or more years' experience in cancer pharmacology with specific experience with models for antitumor efficacy desired. Other attributes desirable are experience with ex vivo measurements of tumors (ELISAs, biochemical measurements, PCR) and compounds (HPLC). **Job Code: 2262**

### BS/MS Scientist - Antibacterial Biology

Conduct laboratory experiments to support antibacterial discovery projects. Solid understanding and experience with Molecular Biology techniques are desired, including RNA and DNA isolation, PCR, plasmid construction and E.coli or Baculovirus expression, with experience in protein purification and analysis. BS/MS in Microbiology, Molecular Biology or related field with 3 years' research experience in an academic or industrial setting also required. **Job Code: 2263**

### BS/MS Scientists - Allergy and Respiratory Group

Be a member of a team responsible for screening compounds using recombinant enzymes and biological samples, developing pertinent bioassays for drug targets, conducting advanced pharmacological studies on promising compounds, generating reagents that are needed for assay development and analyzing and reporting experimental results. BS/MS in Biological Science with work experience in Biochemistry and Cell Biology (mammalian cell culture, isolation of human peripheral blood leukocytes, ELISA, RIA, enzyme kinetics, radio-receptor binding and human whole blood). Additional experience in Molecular Biology (protein expression and purification, Western, Northern and PCR) would be desirable. **Job Code: 2264**

A second BS/MS Scientist is sought with experience in in vivo pharmacology, physiology or a related discipline. Experience with cell infiltration models, monitoring of physiological parameters and measurement of cytokines and mediators in biological fluids is desirable. Duties will include model development, hypothesis testing and performing assays. **Job Code: 2269**

If you are interested in other opportunities, please do not hesitate to apply.



*We're part of the cure.*



# **RIKEN BRAIN SCIENCE INSTITUTE**

## **BRAIN SCIENCE RESEARCH OPPORTUNITIES**

RIKEN is one of Japan's leading research institutes and covers a wide range of scientific disciplines. It is a semigovernmental organization and, in October 1997, established the RIKEN Brain Science Institute (BSI). This aims to act as a center of excellence for neuroscience research in Japan and play an active role in global progress towards understanding the brain (SCIENCE, 14 March 1997). To help realize these objectives, RIKEN BSI is currently seeking to recruit a total of 10–20 high-caliber postdoctoral researchers, and senior scientists to work in the laboratories listed below. Each laboratory's entry contains a brief summary of its main research themes. Appointments would be for up to five years, although promotion within RIKEN BSI may lead to longer terms of employment.

**1) Neuronal Recognition Molecules Laboratory — directed by Dr. Kensaku Mori**

Functional roles of neuronal recognition (adhesion) molecules, such as telencephalin and OCAM, in the formation and the plastic changes of neuronal circuits in the CNS. Applicants are invited for a postdoctoral position to work on olfactory nervous system using physiological and/or cell biological methods.

**2) Cellular Information Processing Laboratory — directed by Dr. Ryoji Yano**

Localization mechanisms of functional molecules and interaction among them within synapses. The ultimate goal is to elucidate molecular mechanisms of synaptic formation and plasticity in the brain.

**3) Neuronal Circuit Development Laboratory — directed by Dr. Takao K. Hensch**

Activity-dependent functional and structural refinement and thalamocortical interactions in the developing mammalian visual system. Seeking applicants with expertise in neuroanatomy.

**4) Cognitive Brain Mapping Laboratory — directed by Dr. Keiji Tanaka**

Functional; division among various association cortical areas, interaction between different areas and functional architectures in individual areas using single-cell recording from the association cortex of behaving monkeys and functional mapping of the human brain with 4T fMRI system.

**5) Integrative Neural Systems Laboratory — directed by Dr. Manabu Tanifuji**

Mechanisms of object recognition in monkey visual system. Optical imaging together with unit recording and anatomy is used as a major tool. Our laboratory is looking for active scientists from the fields of *in vivo* electrophysiology, anatomy, and experimental physics related to optics.

**6) Developmental Neurobiology Laboratory — directed by Dr. Katsuhiko Mikoshiba**

Mechanisms of how the brain is formed from a single fertilized cell, by examining the factors which control the formation of the neural plate, regional specification of neural tube and migration and positioning of neural cells. Applicants should have a good background in cell and/or molecular biology.

**7) CAG Repeat Diseases Laboratory — directed by Dr. Nobuyuki Nukina**

Mechanisms of CAG repeat diseases such as Huntington's disease, spinal and bulbar muscular atrophy, and so on. To understand clearly these diseases and develop common treatment, animal models of these diseases will be established. Applicants are hoped to have genetic and neuropathological background.

**8) Neurogenetics Laboratory — directed by Dr. Kazuhiro Yamakawa**

Identification and characterization of genes of neuropsychiatric diseases, especially such as epilepsy and Down's syndrome. Manic depressive illness and schizophrenia-related genes will be identified in the future. Applicants are hoped to have molecular genetic background.

**9) Alzheimer's Disease Laboratory — directed by Dr. Akihiko Takashima**

Molecular mechanisms of Alzheimer's disease by approaching from neuronal cell death and accumulation of neurofibrillary tangle (tau phosphorylation). Applicants interested in molecular and cell biological approach are especially encouraged to apply.

**10) Neural Modeling Laboratory — directed by Dr. Shigeru Tanaka**

Functional roles and developmental mechanisms of visual cortical maps using electrophysiological and optical recording methods combined with mathematical or computational modeling. Applicants should have knowledge and a good background in electrophysiology with mathematical or computational neuroscience.

**11) Open Information Systems Laboratory — directed by Dr. Andrzej J. Cichocki**

Mechanisms for collecting, processing, and memorizing information from many sensors (or receptors) simultaneously, and producing effective actions. Special emphasis is given for extracting independent information from superimposed or mixed signals and analysis, recognition, enhancement, and integration of multimodal biomedical signals (e.g., EEG, MEG).

**12) Brain Operative Expression Laboratory — directed by Dr. Gen Matsumoto**

Elucidation of the basic principle of learning control brainware in the brain at the subcellular and cellular levels, and makes it a model for development of the brain computer. Along this line of the research, we first reconstitute rat hippocampal neuro-circuits mainly based on the optical imaging data. Applicants should have a strong background in physiology and computational science.

**13) Brain Operative Device Laboratory — directed by Dr. Michinori Ichikawa**

Development of an ultra-large scale neural circuits chip as the basic element for brain-type computing, based on the current silicon technology. For the further development, highly innovated tools for precise, spatially wide, and high-speed measurements of spatio-temporal patterns of neural activities are newly invented. Applicants are hoped to have a strong background in electronics and computational science.

*Applicants should identify the laboratory that they wish to apply for and send their full curriculum vitae listing all publications, a description of research interest, and the names, addresses, and telephone numbers of three references to the following e-mail number. For further information, please write to the following address or send a facsimile message to the number below.*

## **RIKEN BRAIN SCIENCE INSTITUTE**

**Hirosawa, 2-1, Wako-shi, Saitama, 351-01, Japan**

**E-mail: [bsi@postman.riken.go.jp](mailto:bsi@postman.riken.go.jp)**

**FAX: +81-48-462-4914**

**RIKEN Home Page: <http://www.riken.go.jp>**

RPI, a leader in the development of ribozyme-based pharmaceutical and agricultural products, is currently seeking an energetic and articulate **Business Development Manager** to join our functional genomics division in Boulder, Colorado.

## Business Development Manager

The successful candidate will report to the Vice President of Business Development, working to establish corporate alliances, evaluate strategic direction and assist in mergers and acquisitions. Essential qualifications include: a strong educational background including a scientific degree; and an MBA with five years' experience in the biotechnology or pharmaceutical industry, including three years in business development.

We offer a competitive salary and flexible benefits package, including a stock option plan. For consideration, please send your resume including salary history to:

Ribozyme Pharmaceuticals, Inc., 2950 Wilderness Place, Job #061, Boulder, CO 80301. Fax: (303) 449-6995. E-mail: [jobs@rpi.com](mailto:jobs@rpi.com)

Visit our Web site at: <http://www.rpi.com>

No phone calls accepted. We are an equal opportunity employer.



DIVERSA

Diversa Corporation is a leader in the discovery, development, and commercialization of enzyme catalysts and bioactive compounds used for chemical, pharmaceutical, agrochemical, and allied industrial processes. We are seeking motivated, results-oriented professionals in the following areas:

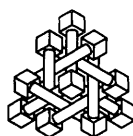
### BIOCATALYST DEVELOPMENT SCIENTIST/ GENE EXPRESSION SPECIALIST

Work in a multidisciplinary environment, spanning enzyme discovery and functional improvement, through to production strain construction and scale-up. Experience with gene expression, directed evolution, metabolic engineering, or related fields is desirable. Familiarity with use and optimization of proteins for biocatalysis would be an advantage. A proven ability to generate creative solutions to challenging problems is required.

### MOLECULAR DIVERSITY

Career opportunities for scientists with experience in the areas of gene cloning and directed evolution; environmental and molecular microbiology; microbial genetics, heterologous pathway expression, and natural product chemistry; microscopy and analytical instrumentation. Candidates with cross-training knowledge in functional genomics, biocatalysis, enzymology, biochemistry, or chemistry are preferred.

Diversa Corporation offers a small company atmosphere with a big scientific potential and provides attractive salaries, comprehensive benefits, and stock ownership. For consideration, please send your résumé with salary history to: **Diversa Corporation, 10665 Sorrento Valley Road, San Diego, CA 92121, Attention: Human Resources #S997.** We are an Equal Opportunity Employer. Visit our website at <http://www.diversa.com>.



SOUTHERN RESEARCH  
INSTITUTE

## Virologist, PhD, DVM

Southern Research Institute, a diversified contract research organization with revenue in excess of \$32 million, is seeking candidates for the position of Staff Virologist in the Microbiology Department at our **Frederick, Maryland** location. This location is largely involved in the evaluation of antiviral candidates as well other virology services including flow cytometry, viral immunology, molecular biology, and immunoassays. Additional activities include basic research in HIV and commercial toxicology.

The ideal candidate will possess a D.V.M. and a Ph.D. in virology or closely allied field with extensive experience in the pathogenesis of infectious diseases, especially HIV and SIV. Experience with non-human primates and nude/SCID mice is preferred.

The successful candidate will be responsible for serving as the site veterinarian supervising our animal care program for both government and commercial contracts, which focus on preventive and therapeutic strategies for fighting infectious diseases of human and agricultural interest. Additional duties include the supervision of animal laboratory staff and participation in basic research programs to include client contact, proposal and report writing, and project management.

Interested candidates should send a resume to Ms. Shannon L. Groomes, Dept. 325, Southern Research - Frederick, 431 Aviation Way, Frederick, MD 21701. Fax: (301) 694-7223. E-mail: [groomes@sri.org](mailto:groomes@sri.org). Visit our web site at [www.sri.org](http://www.sri.org).

**We are an Affirmative Action/Equal  
Opportunity Employer M/F/D/V**



COLBY COLLEGE

## Animal Physiologist

The Department of Biology at Colby College is seeking an **Animal Physiologist** to fill a tenure-track position as **Assistant Professor of Biology** to begin September, 1998. Candidates should have a Ph.D. and a strong commitment to undergraduate education. Applicants should have broad training in organismal biology and a strong research interest in vertebrate physiology. Teaching will include mammalian anatomy and physiology, vertebrate biology, and a course related to the candidate's discipline. The ability to teach an immunology course is highly desirable. The successful candidate will teach in the introductory biology course in some years. An active research program including supervision of undergraduate research will be expected. An attractive start-up package is available. Familiarity with liberal arts colleges, teaching experience, and post-doctoral experience are desirable.

Women candidates will be considered for a Clare Boothe Luce chair which provides dedicated annual research funds and salaries for undergraduate research assistants.

Please submit a letter of application, brief statements of teaching and research interests, *curriculum vitae*, reprints of up to three publications, undergraduate and graduate transcripts, and three letters of recommendation to: **Professor Paul G. Greenwood, Chair, Department of Biology, Colby College, 5720 Mayflower Hill, Waterville, ME 04901, Fax: (207) 872-3322.** E-mail: [pggreenw@colby.edu](mailto:pggreenw@colby.edu). Application review will begin **November 10, 1997**. For more information about the College, please see the Colby Web page at <http://www.colby.edu>. Colby is an AA/EOE and encourages applications from women and minorities.

**CRYSTALLOGRAPHER  
Tenure-Track Position  
Laboratory of Cell Biology  
Division of Basic Sciences  
National Cancer Institute**

The Laboratory of Cell Biology in the National Cancer Institute has independent tenure-track positions available for a crystallographer and/or EM crystallographer. A broad interest in how protein structure determines function, including soluble and membrane proteins, and experience in obtaining protein crystals and structures is essential. Other senior researchers in the Laboratory of Cell Biology work with energy-dependent transporters, antigen processing and presentation, ATP-dependent transporters, and melanogenesis. The Laboratory is housed within a dedicated basic cancer research building populated by cell and molecular biologists, biochemists, geneticists, structural biologists, and immunologists, with ample opportunities for fruitful interactions and collaborations. The NIH has available rapid access to a synchrotron beam line at Brookhaven. Salary will be commensurate with experience.

A two-page statement of research interests and goals should be submitted in addition to three letters of recommendation, curriculum vitae, and publication list to:

**Dr. David Davies  
National Cancer Institute, NIH  
41 Library Drive  
MSC 5055  
Room A206  
Bethesda, MD 20892  
(301) 496-3667**

Applications must be received by  
October 25, 1997

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

Hoechst Marion Roussel is a global leader in pharmaceutical-based health care, dedicated to the discovery and delivery of prescription drugs and value-added patient support programs. We currently have openings in our Combinatorial Chemistry and Biology Departments at Selectide, a Hoechst Marion Roussel subsidiary located in Tucson, Arizona. Selectide develops and exploits innovative technologies for chemical synthesis and high throughput screening of small molecule libraries.

### **Ph.D. Biologist/Biochemist**

We are seeking an enthusiastic individual to assume responsibility for the development and implementation of biological assays for high-density automated screening of combinatorial chemical libraries. The selected individual will be responsible for the management of drug discovery projects, including the supervision of technical-level associates and coordination of activities with internal and external collaborators. Demonstrated track record of innovation with a solid understanding of receptor-ligand and/or enzyme kinetic analysis is strongly desired. **(Job number: 19970462)**

### **Research Biochemist**

We are seeking one highly motivated scientist to join our Nanotechnology and Assay Miniaturization group. Duties include screening of combinatorial libraries for drug discovery, evaluation of instrumentation, and development of new techniques for performing biological high throughput assays in very small volumes. BS/MS in a biological or physical science with at least 3 years exp. in biological assays is required. Additional experience in one or more of the following is desired: image analysis, microfluidics, fluorescent bioassay development or transcriptional reporter assays. **(Job number: 19970522)**

### **Combinatorial Chemists**

We have two openings in our Medicinal and Structure-based Combichem departments. Candidates will be responsible for adaptation of chemistries to solid phase, synthesis of specialized intermediates or building blocks and production of combinatorial libraries for lead generation or lead optimization. MS in Chemistry with 2-3 years experience in organic synthesis or BS in Chemistry with 3-5 years experience. **(Job number: 19970464)**

These opportunities offer competitive salaries and bonus programs and outstanding benefits. Interested candidates should send a resume to: Selectide, 1580 E. Hanley Blvd., Tucson, AZ 85737-9525. An Equal Opportunity Employer, M/F/D/V.

## **SELECTIDE**

## **Hoechst**

Hoechst Marion Roussel  
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## POSITIONS OPEN

### DEAN SCHOOL OF PUBLIC HEALTH

The University of California at Berkeley invites applications/nominations for Dean of the School of Public Health. The School is responsible for teaching and research in a combined program for the Berkeley and San Francisco campuses. Supported by the State of California as well as private sources, the school attracts over 400 graduate students for professional degrees (M.P.H., Dr.P.H.) and academic degrees (M.A., M.S., and Ph.D.). The Dean will be closely involved in developing curricula and promoting cutting-edge research in a broad range of biomedical and health science programs to meet the growing needs of society. Candidates should be leaders with demonstrated excellence in research and outstanding accomplishments in the health or biomedical sciences as well as successful experience in administration, building community relationships, and fund raising. The University seeks a Dean who develops a broad, creative, strong vision for the interdisciplinary nature and future of the health sciences. Administration, coordination, and enhancement of the School's collaborative education and research programs with other units on the Berkeley and San Francisco campuses will be integral to a successful tenure.

Nominations or applications must be received by November 21, 1997. A curriculum vitae, a list of three to five references, and a statement on research and education as well as challenges currently facing schools of Public Health should be sent to: **Dean of Public Health Search Committee, Office of Vice Provost, 200 California Hall #1500, University of California, Berkeley, Berkeley, CA 94720-1500.** The University of California is an Equal Opportunity/Affirmative Action Employer.

### FACULTY POSITIONS NEUROBIOLOGY UNIVERSITY OF CONNECTICUT

The Department of Physiology and Neurobiology at the University of Connecticut, Storrs, anticipates two faculty positions to be available for Fall 1998 at the **ASSISTANT** or **ASSOCIATE PROFESSOR** levels. These are the first of several new faculty positions that the department expects to fill over the next few years. Successful candidates will be expected to maintain an independent and vigorous research program, and participate in the department's graduate and undergraduate programs. Research interests may be in any area of neurobiology that integrates with the expertise currently present in the department. Consult website: <http://cyclops.pnb.uconn.edu/facsearch.html> for descriptions of our research areas and information about our graduate and undergraduate programs. Applicants must possess a Ph.D. or equivalent, and have completed at least two years of postdoctoral training. Candidates for Associate Professor are expected to have a currently funded and active research program. Send a curriculum vitae, brief summary of current research with a statement of future research direction, and names of at least three references to: **Chair, PNB Search Committee, Department of Physiology and Neurobiology, The University of Connecticut, 3107 Horsebarn Hill Road, Storrs, CT 06269-4156.** We encourage applications from underrepresented groups including minorities, women, and people with disabilities. (Search #s 98A77 & 98A78)

### FACULTY POSITION DEVELOPMENTAL AND CELL BIOLOGY University of California-Irvine

We are seeking applicants at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level to complement existing programs in molecular genetics, cell biology, developmental biology, plant biology, and neurobiology. Emphasis is on excellence and an integrative approach rather than a particular area although existing programs in the department emphasize cell signaling, growth and differentiation, and molecular bases of cell behavior. Successful applicants are expected to maintain an active, funded research program and to participate in teaching at the undergraduate and graduate levels. Please submit a curriculum vitae, synopsis of research and teaching interests, and three letters of reference to: **Search Committee, Department of Developmental and Cell Biology, 5207 Bio Sci II, University of California-Irvine, Irvine, CA 92697-3300** by December 1, 1997.

Please visit our departmental website: <http://www.bio.uci.edu/units/dc/faculty/>.

UCI is an Equal Opportunity Employer committed to excellence through diversity.

## POSITIONS OPEN

### EAST TENNESSEE STATE UNIVERSITY ASSOCIATE VICE-PRESIDENT FOR RESEARCH

East Tennessee State University (ETSU) seeks an accomplished scholar to be Chief Research Officer. The Associate Vice-President reports to Provost and Vice-President for Academic Affairs; works with deans and chairs to enhance research programs; oversees compliance with research regulations; and is technology transfer officer.

ETSU, a regional institution governed by State University and Community College System of Tennessee, has nine colleges and schools—Applied Science and Technology, Arts and Sciences, Business, Continuing Studies, Education, Graduate Studies, Medicine, Nursing, and Public and Allied Health—and offers Master's degrees in 39 fields, Ed.D., M.D., and Ph.D. in biomedical science.

Successful candidate will have good management skills, scholarly credentials permitting appointment as Professor, and success acquiring external research grants. Experience in academic research grants administration preferred. Salary competitive and commensurate with experience.

The position will be available 1 July 1998. Review will begin 5 November 1997 and continue until position is filled. Send nominations and applications with curriculum vitae (including names, addresses, and telephone numbers of five references) to: **Dan M. Johnson, Search Committee Chair, Biological Sciences, East Tennessee State University, Johnson City, TN 37614-0703.**

A more detailed ad is at website: <http://www.etsu.edu/humanres/>.

ETSU is an Equal Opportunity/Affirmative Action Employer.

### TENURE-TRACK FACULTY POSITION IN THE FIELD OF POPULATION GENETICS GEORGETOWN UNIVERSITY Department of Biology

Applications are invited for a tenure-track position to commence August 1998, which likely will be at the level of **ASSISTANT PROFESSOR**. We seek an energetic investigator, well trained in population genetics, evolution, and molecular biology. She/he will teach each year a one-semester course in population genetics and mechanisms of microevolution for undergraduate science majors, and an advanced course in the other semester. Faculty in and enthusiasm for instruction of undergraduate and graduate students are essential. The successful applicant is expected to establish a grant-supported research program, preferably including molecular methods and a field-work component.

Applications should include: a curriculum vitae, names of three individuals who are familiar with the applicant's potential as a teacher and independent research scientist, a summary of research achievements and projected research, a statement describing the applicant's teaching philosophy, and brief summaries of possible advanced courses the applicant desires to teach. Please send applications by November 10, 1997, to: **Population Genetics Search Committee, Box 571229, Department of Biology, Georgetown University, Washington, DC 20057-1229.**

Georgetown University is an Affirmative Action/Equal Opportunity Employer.

The Department of Molecular Biology and Biochemistry invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in the area of virology and gene therapy. The University of California at Irvine has a strong interactive group of virologists that are active in the development of viral-based technology for problems in gene therapy with recombinant viruses (see website: <http://darwin.bio.uci.edu/vector/>). The Department particularly encourages applicants with interests to establish an independent research program in the area in the interactions of viruses or products of recombinant viruses with the response of the immune system. We seek applicants whose interest includes viral-based immune therapy, the interaction of viruses with acute phase host immune responses, or the role of specific viral genes on immunopathogenesis in animal models. Please submit a curriculum vitae and list of references by November 30, 1997, to: **Dr. Luis Villarreal, Chair, Search Committee, Department of Molecular Biology and Biochemistry, 3232 Biological Sciences II, University of California, Irvine, Irvine, CA 92697.** The University of California, Irvine is an Equal Opportunity Employer committed to excellence through diversity.

## POSITIONS OPEN

**FACULTY POSITIONS** are available as part of our continuing mission to maintain outstanding research and creative scholarship. We are especially interested in candidates addressing biological problems using structural or computational methods relating sequence information to structure, understanding protein-protein interactions, and exploring protein-nucleic acid interactions. We are also interested in persons with a commitment to solving interesting problems in developmental biology using molecular and genetic approaches.

Our department integrates biological structure with function through highly interactive research collaborations between individual faculty members. We encourage applicants who have a special desire to be in such an interactive environment that integrates biophysical and biological disciplines. We are prepared to provide the necessary financial support to initiate strong research programs. The department website can be visited at: <http://cpmcnet.columbia.edu/dept/gsas/biochem/>.

Applications should include a curriculum vitae and a brief statement of research goals. Three or more letters of reference should be sent independently. Material should be mailed to: **Search Committee, Department of Biochemistry and Molecular Biophysics, Box 36, 630 West 168th Street, New York, NY 10032.**

Columbia University takes Affirmative Action to ensure Equal Opportunity.

### ASSISTANT PROFESSOR MOLECULAR IMMUNOLOGY

The Division of Biology of Kansas State University invites applications for a tenure-track position at the Assistant Professor level, beginning in the 1998-99 academic year. We seek an individual who will establish a strong, extramurally funded program in molecular and cellular immunology and participate in teaching immunology and related subjects at the undergraduate and graduate levels. A Ph.D. or equivalent and postdoctoral training are required. The position includes a competitive salary and start-up package. The Division of Biology is a large, diverse unit, with a strong record of research productivity and funding as well as established investigators in areas relevant to the search. For more information, go to website: <http://www.ksu.edu/biology>. Applicants should submit a curriculum vitae, selected reprints, and summary of research interests, and have three letters of reference sent to: **Rob Denell, Chair, Immunology Faculty Search Committee, Division of Biology, Kansas State University, Ackert Hall, Manhattan, KS 66506-4901.** Review of applications will begin November 4, 1997, and continue until the position is filled. *Kansas State University is an Equal Opportunity/Affirmative Action Employer, and actively seeks diversity among its employees.*

### ENVIRONMENTAL SCIENTIST/ENGINEER

The Department of Environmental Studies at Baylor University seeks candidates for an advanced **ASSISTANT PROFESSOR** or **ASSOCIATE PROFESSOR** level faculty appointment. The preferred candidate will have a biological and/or chemical process orientation with interest and experience in a combination of research, teaching, and applied environmental problem-solving. There is a preference concentration on air quality issues, but candidates with other interests, including renewable energy and environmental biotechnology, are encouraged to apply.

Initial applications should include a detailed letter of interest, a curriculum vitae, and names of at least three references. Direct inquiries and applications to: **Dr. Dudley J. Burton, Chair, Department of Environmental Studies, Baylor University, P.O. Box 97266, Waco, TX 76798-7266. Telephone: 254-710-3405; FAX: 254-710-3409; e-mail: dudley\_burton@baylor.edu.** Application closing date is December 1, 1997.

Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor encourages minorities, women, veterans, and persons with disability to apply.

**SEATTLE UNIVERSITY'S SCHOOL OF SCIENCE AND ENGINEERING** seeks a dynamic **DEAN** to lead it into the 21st century. Located in the heart of the Puget Sound metropolitan area, the school has nine undergraduate departments in engineering, the natural sciences, and mathematics, with a Master's program in software engineering. The region enjoys a vibrant economy with opportunities in traditional and high technology industries. For more information, access the announcement at website: <http://www.seattleu.edu/scieng>. **Reed A. Guy, Telephone: 206-296-5939.** *Seattle University is an Equal Opportunity, Affirmative Action Employer.*



**FACULTY POSITION IN NEUROSCIENCE**National Institute of Environmental  
Health Sciences

National Institutes of Health

The National Institute of Environmental Health Sciences (<http://www.niehs.nih.gov>) in Research Triangle Park, North Carolina is recruiting an investigator to carry out independent research in an expanding research program in the area of neuroscience. This is a tenure-track position in the NIH Intramural Research program with a competitive salary and start-up package. Preference will be given to applicants with less than seven years postdoctoral experience who are using molecular techniques to study neural problems at the cellular level. It is expected that problems will be chosen with the potential to identify or characterize environmental origins of human disease, within such areas as neural development, neurotoxicity or the genetics of neurodegenerative diseases; however, research excellence is the primary consideration. Excellent space and research support are available and will be commensurate with the rank at which the successful candidate is hired. Applications from women and members of minority groups are particularly welcome. Applicants should submit a curriculum vitae, a list of publications, reprints of up to five representative publications, a summary of past research, a plan for future research, and arrange for three letters of reference to be sent by November 14, 1997 to: Ms. Dara Trupe, Human Resource Management Branch, (HNV97-21), National Institute of Environmental Health Sciences, P O Box 12233, MD EC-11, Research Triangle Park, NC 27709; (919) 541-7513; e-mail: [trupe@niehs.nih.gov](mailto:trupe@niehs.nih.gov)

NIH is an Equal Opportunity Employer

**POSTDOCTORAL POSITIONS at  
BRANDEIS UNIVERSITY**

Funded postdoctoral positions are available in a highly interactive neurobiology group examining the molecular and genetic basis of development and behavior.

**Susan Birren Ph.D.** - Developmental neurobiology of the mammalian peripheral nervous system. Cellular interactions leading to lineage restriction and development of neurons and synapses.

**Leslie Griffith, M.D., Ph.D.** - Molecular basis of behavioral and synaptic plasticity in *Drosophila*: the role of CaM kinase II in learning and neuronal excitability.

**Piali Sengupta, Ph.D.** - Development and function of olfactory neurons in *C. elegans*. Investigating the genetic and molecular mechanisms that give rise to functional diversity in the olfactory system.

**Kalpna White, Ph.D.** - Neuronal differentiation in *Drosophila*. Investigating neuron-specific alternative splicing and regulation of neuronal morphology.

Faculty are members of the Department of Biology, Program in Neurobiology and the Volen Center for Complex Systems. Qualified applicants are invited to submit their curriculum vitae and the names and addresses of three references to the individual faculty at:

Department of Biology, Brandeis  
University, Waltham, MA 02254.

EOE

[www.bio.brandeis.edu](http://www.bio.brandeis.edu)

Roche

Pharmaceuticals

## Two Senior Scientists in Nonclinical Pharmacokinetics

**Who we are**

The Nonclinical Pharmacokinetics Group of our Pharmaceuticals Division in Basel (Switzerland) is responsible for the nonclinical pharmacokinetic characterization of development compounds using state-of-the-art techniques, including *in vitro* and *in vivo* models and mathematical modeling tools. Further development of such tools is an important activity of the group.

**The position**

One position will focus on *in vitro* and *in vivo* models for the study of drug absorption and disposition. You will devise, conduct and report on experiments for the development of new, or the application of existing, models to study drugs' pharmacokinetics and predict their fate in the human body. The second position will focus on mathematical modeling of experimental PK and PK/PD data. You will describe biological data by means of different mathematical models, with the goal of combining findings from different experimental models in an overall description of drug behavior. In either position you will have responsibility for your own laboratory and will be supervising a team of one to three people. You will work in international, multidisciplinary project teams and will frequently collaborate with other scientists involved in the development of novel therapeutic agents.

**Who you are**

In line with the differing focuses of the positions, you must have a strong background in *in vitro* and *in vivo* models relevant for pharmacokinetics or in biomathematical modeling, preferably in the pharmacokinetic field. You should have a PhD in a subject related to pharmacokinetics and possibly some years of post-doctoral experience. Both positions require good interpersonal and communication skills and, most importantly, team spirit. A good knowledge of written and spoken English and some familiarity with (or willingness to learn) German are expected.

**Who to contact**

For further information, please contact Dr. Wolfgang F. Richter (phone +41-61-688 62 15, [wolfgang.richter@roche.com](mailto:wolfgang.richter@roche.com)).

If one of the above profiles fits your background and experience and you are interested in one of these challenging positions, please forward your application, including your resumé, to our Human Resources Department, attn. Wä366 F. Hoffmann-La Roche Ltd, CH-4070 Basel.



## POSITIONS OPEN

### PLANT BIOLOGY UNIVERSITY OF UTAH

The Department of Biology at the University of Utah seeks to add two faculty in plant biology to complement and strengthen our existing program in plant sciences. The search will be divided into two broad categories: molecular and cellular plant biology and organismal plant biology. Individuals whose interests span these two areas are particularly welcome. The preferred rank is at the ASSISTANT or ASSOCIATE PROFESSOR levels and positions are available beginning July 1, 1998.

The existing plant biology faculty include strengths in cell biology, developmental biology, genetics, photosynthesis, water relations, and ecology. The successful candidates are expected to strengthen the research capacity of plant sciences in a broad sense, while complementing existing programs. More information about plant biology and the department is available through the Internet at website: <http://www.biology.utah.edu>.

Interested applicants should send to the most appropriate search committee listed below: a curriculum vitae, a statement which includes both research and teaching interests, and names of three individuals who can evaluate the candidate's research. The search will remain open until the positions are filled, but we anticipate beginning to review completed applications on November 1, 1997.

**Darryl Kropf**

**Molecular and Cellular Biology Search**

or

**Jim Ehleringer**

**Organismal Plant Biology Search**

**Department of Biology**

**University of Utah**

**Salt Lake City, UT 84112**

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

### ASSISTANT PROFESSOR PLANT EVOLUTIONARY ECOLOGY DEPARTMENT OF BIOLOGICAL SCIENCES SIMON FRASER UNIVERSITY

The Department of Biological Sciences is seeking a tenure-track faculty member in the area of plant evolutionary ecology. The appointment will be made at the Assistant Professor level with a start date of September 1, 1998. Biologists who conduct research in any area of the ecology and evolution of plants are encouraged to apply. The successful candidate will be expected to pursue a vigorous, externally funded research program including the training of graduate students. She or he also will be expected to participate in the undergraduate and graduate teaching program, particularly in the areas of plant ecology and evolution. A Ph.D. degree is required, and appropriate postdoctoral experience is preferred. The Department of Biological Sciences at Simon Fraser University has active research programmes in behavioural ecology, evolutionary biology, molecular biology, biochemistry, pest management, and plant biology. Applicants should send, no later than December 15, 1997, a curriculum vitae, three representative reprints, a one-page summary of their research objectives, and the names, addresses, and telephone numbers of three referees to: **Dr. Michael J. Smith, Chair, Department of Biological Sciences, Simon Fraser University, 8888 University Boulevard, Burnaby, British Columbia V5A 1S6 Canada. FAX: 604-291-4312.**

*In accordance with Canadian Immigration requirements, this ad is directed in the first instance to Canadian citizens and permanent residents of Canada. The position is subject to final budgetary approval.*

*Simon Fraser University is committed to the principle of equity in employment and offers Equal Employment Opportunities to qualified applicants.*

**BIOLOGY.** One-year position in biology (January 1998 to December 1998). Ph.D. preferred. Successful applicant will teach a seminar in an area of expertise, genetics with lab, and a non-majors course in the spring. The latter two courses will be taught the following fall semester. Whitman has a strong commitment to excellence in undergraduate teaching, research, and student advising. Send curriculum vitae, three letters of recommendation, transcripts, and statement of teaching and research interests to: **Dr. Kendra J. Golden, Biology Department, Whitman College, Walla Walla, WA 99362. Telephone: 509-527-5210 or 509-527-5255; FAX: 509-527-5904; e-mail: [golden@whitman.edu](mailto:golden@whitman.edu).** Closing date: October 15, 1997. Further information about Whitman College website: <http://www.whitman.edu>. Equal Opportunity Employer.

## POSITIONS OPEN

### BRIGHAM YOUNG UNIVERSITY DEPARTMENT OF ZOOLOGY

The Department of Zoology will have three tenure-track positions beginning fall 1998 or 1999. The ranks of the positions are open but will probably be filled at the ASSISTANT PROFESSOR level. A doctoral degree is required along with demonstration of a high potential for establishment of an externally funded research program as evidenced by postdoctoral experience and publications/funding record.

**ECOLOGIST**—The successful candidate's research may be in any combination of the following areas of ecology: behavioral, community, evolution, landscape, molecular, or physiological. Teaching responsibilities will include participation in an undergraduate course in ecology and development of a graduate course in the area of ecological specialization.

**PHYSIOLOGIST/CELLULAR BIOLOGIST** (Two positions)—Applicants with training and experience in one of the following areas will be given preference: endocrinology, cellular-molecular biology, gene regulation, or neuroscience. Applicants should be capable of teaching courses in physiology, pathophysiology, and/or cellular and molecular biology.

Request application packet (specify position) from: **Search Committee, Department of Zoology, Brigham Young University, Provo, UT 84602** by November 12, 1997. Telephone: 801-378-2006; FAX: 801-378-7423. *Brigham Young University, an Equal Opportunity Employer, is sponsored by The Church of Jesus Christ of Latter-day Saints and requires observance of Church standards. Preference is given to members of the sponsoring church.*

### DEVELOPMENTAL BIOLOGIST DEPARTMENT OF ZOOLOGY MIAMI UNIVERSITY, OXFORD, OHIO

**ASSISTANT PROFESSOR** position (tenure-track) to begin in August, 1998. Ph.D. in zoology or biology required, and postdoctoral experience desirable. Individuals with expertise in any area of animal developmental biology are invited to apply, but preference will be given to those who use electron microscopy as a major research tool. Yearly teaching responsibilities may include: developmental biology; participation in a team-taught introductory biology course; and/or an advanced course in his/her specialty area. The successful applicant will be expected to seek external funding to support his/her research and to supervise and advise graduate and undergraduate students. Advancement will be based on teaching, research, and professional service. Miami University is a state-assisted institution in southwest Ohio. Zoology has excellent research facilities; the EM Facility is well equipped for SEM, TEM, cryopreservation, and confocal microscopy (see website: <http://www.muohio.edu/~zoocwis> for more details about the department and our facilities) and is staffed by two full-time electron microscopists. We have strong Ph.D. and M.S. programs, 32 faculty members, and 50 graduate students on the Oxford campus. Interested persons should submit a curriculum vitae, a statement of teaching philosophy, a description of current research and long-term research interests, and should arrange for three letters of recommendation and transcripts of all academic work to be sent to: **Dr. Douglas H. Taylor, Chair of Zoology, Miami University, Oxford, OH 45056.** Review of applications will begin on 1 December 1997 and continue until the position is filled. *Miami University offers Equal Opportunity in Employment and Education.*

**ASSISTANT PROFESSOR**, tenure-track, Biology Department, Winthrop University. Duties include teaching of environmental biology and investigative biology. Applicants are expected to have the Ph.D. degree with specialization in environmental science or biology. Applicants should provide a letter of application, curriculum vitae, statements of research interests and teaching philosophy, and three letters of reference sent directly to: **Dr. Luckett V. Davis, Chair, Biology Department, Winthrop University, Rock Hill, SC 29733** by January 15, 1998. Direct questions to e-mail: [davisl@winthrop.edu](mailto:davisl@winthrop.edu). *Winthrop University is an Equal Opportunity Institution and an Affirmative Action Employer.*

## POSITIONS OPEN

### FACULTY POSITION DEPARTMENT OF BIOCHEMISTRY

Two tenure-track faculty positions are available in the Department of Biochemistry at Baylor College of Medicine. The Department maintains research strengths in molecular genetics, developmental biology, cell biology, signal transduction, neurobiology, and structural biology. We are seeking outstanding candidates in exciting areas of biology. For one position we are especially interested in individuals pursuing mammalian development or disease mechanisms. Candidates should send their curriculum vitae, preprints and reprints of significant work, a statement of present and future research activity, and arrange to have three letters of recommendation sent by December 1, 1997, to:

**Stephen J. Elledge, Ph.D.  
Search Committee Chair  
c/o Mary Jane Perez  
Department of Biochemistry  
Baylor College of Medicine  
One Baylor Plaza  
Houston, TX 77030**

*Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.*

**ENVIRONMENTAL BIOLOGIST: FULL PROFESSOR AND DEPARTMENT CHAIR.** The Division of Environmental Studies at University of California, Davis seeks an individual who will serve as Department Chair, and teach and conduct research in environmental biology. The area of research expertise should complement current expertise in the department, which has pressing needs in terrestrial field ecology and the physical/biological interface in aquatic and terrestrial systems.

Applications will be reviewed beginning on December 12, 1997. The position will remain open until filled. Send cover letter, curriculum vitae, selected publications, and the names and addresses of three persons who will provide letters of recommendation to:

**Susan Harrison, Search Committee Chair  
Division of Environmental Studies  
University of California, Davis  
One Shields Avenue  
Davis, CA 95616 USA  
Telephone: 530-752-7110  
E-mail: [sparrison@ucdavis.edu](mailto:sparrison@ucdavis.edu)**

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

**ASSISTANT PROFESSOR.** The Department of Physiology invites applications from outstanding scientists with Ph.D., M.D., or equivalent degrees for two tenure-track Assistant Professor positions. Of particular interest are candidates who will develop independent research programs in cellular, molecular, or biophysical aspects of contractility, motility, or cell signaling. Integrative biology research using cell and molecular biological approaches to investigate higher order physiological systems is also of primary interest. However, the excellence of the successful candidates is more important than the particular area of research. These positions are part of the continuing growth of this dynamic Department and will be supported by exceptional start-up packages. Applicants should submit a curriculum vitae, a brief statement of research plans, and arrange to have three letters of reference sent to: **James T. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-9040.** *An Affirmative Action/Equal Opportunity Employer.*

**MENTORED SCIENTIST PROGRAM** at the University of Southern California. **ASSISTANT PROFESSOR** positions (tenure-track) available now and July 1, 1998, under a Neurogerontology Institutional award from the National Institute on Aging for development of basic and clinical research skills for study of diseases related to aging nervous system. *U.S. citizenship or permanent U.S. residency status and Board-eligibility in neurology, psychiatry, neuropathology, or internal medicine required.* Two to three years of concentration in basic research followed by focus on neurogerontology or geriatric psychiatry and the development of individual research program. Send curriculum vitae and three letters of recommendation to: **Leslie P. Weiner, M.D., Department of Neurology, USC School of Medicine, 1510 San Pablo Street, #646, Los Angeles, CA 90033-4606** and arrange for two days of interviews. Further information, **Telephone: 213-342-5793; e-mail: [lweiner@hsc.usc.edu](mailto:lweiner@hsc.usc.edu).** *Affirmative Action/Equal Opportunity Employer.*

## Program Manager Molecular Biology Products

5 Prime→3 Prime, Inc. is seeking a Program Manager to lead a research and development group engaged in the development of innovative molecular biology research products. This position requires a scientist with proven leadership skills who is able to manage and motivate a team of research scientists. Candidates must have a Ph. D. in molecular biology and a minimum of five (5) years post doctoral, industrial research experience. We offer extremely competitive compensation and benefits, plus the diverse and stimulating environment of Boulder, Colorado and the surrounding Rocky Mountain Region.

Interested candidates are encouraged to submit their curriculum vitae to:

**Manager of  
Professional Recruiting**  
5 Prime→3 Prime, Inc.  
5603 Arapahoe Avenue  
Boulder, CO 80303



## Director of Policy Programs

**New York Academy  
Of Sciences**

Growing, global organization seeks Director of Policy Programs. This executive will direct a portfolio of grant-funded projects linking science and technology to health care, global trade, economic development, the environment, and key goals in public and private sectors.

Successful candidate will have five to ten years of leadership in policy studies related to science and technology, excellent analytic and writing skills, demonstrated managerial ability, and a record of publication. International experience, familiarity with issues in the New York region, and an advanced degree in the natural or social sciences are required. The position reports to the President and involves extensive interactions with the Board and a range of advisors.

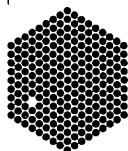
Excellent compensation and benefits package. For further background, visit the Academy website at: [www.nyas.org](http://www.nyas.org). Qualified candidates should forward CV and cover letter stating salary requirements to: **Director, HR**



**New York Academy  
of Sciences**  
2 East 63rd St., N.Y., NY 10021  
Fax: (212) 838-5810

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## EUROPEAN CAREER OPPORTUNITIES



# EMBL

## Hamburg Outstation

The European Molecular Biology Laboratory, an international research organisation consisting of three outstations and a headquarters laboratory situated in Heidelberg, Germany, has a vacancy at the **Hamburg Outstation** for a

### POSTDOCTORAL RESEARCH FELLOW (ref.: 97/PD/9) MAD Protein Crystallography and Instrumentation

The EMBL Outstation in Hamburg is located at the DESY synchrotron site and operates seven beam lines for structural biology. Access to these beam lines is offered to a broad international user community. BW7A is a recently built multi-functional beam line with a focusing double crystal monochromator as key optical element.

We are looking for a candidate to develop BW7A as a leading facility for Multiple Anomalous Dispersion (MAD) measurements. The candidate will closely cooperate with the research groups in protein crystallography and instrumentation.

A strong background in protein crystallography, MAD data collection and evaluation are essential. Experience in programming and instrumentation of synchrotron beam lines will be of advantage. Applicants should have a Ph.D. in a relevant field.

The contract will be initially for 2 years.

Informal inquiries may be made to Dr. Matthias Wilmanns, Tel. +49-40-89902-126, Fax +49-40-89902149, Email: [wilmanns@embl-hamburg.de](mailto:wilmanns@embl-hamburg.de)  
Closing date: 31.10.1997

EMBL is an inclusive, equal opportunity organisation.

Please send complete CV, quoting ref. no., to:

**The Head of Human Resources, EMBL, Postfach 10.2209, D-69012 Heidelberg.**  
Fax: +49 6221 387555; Tel.: +49 6221 387 208; email: [jobs@EMBL-Heidelberg.de](mailto:jobs@EMBL-Heidelberg.de)

## EUROPEAN CAREER OPPORTUNITIES

### MARY DICK CHAIR OF VETERINARY PHYSIOLOGY

The University Court invites applications for the Mary Dick Chair of Veterinary Physiology, formerly held by Professor A. Iggo, FRS, in the Department of Preclinical Veterinary Sciences, Faculty of Veterinary Medicine.

The appointment is tenable from April 1998 or another such date as may be arranged.

The University seeks to appoint to this Chair an experienced physiologist with an international reputation for research in the areas of neuroscience and/or cellular physiology who is capable of obtaining financial support to create and lead a research team. It is anticipated that the new Professor will extend collaboration within the Faculty Group of Medicine and Veterinary Medicine, and further develop collaboration with life scientists in other faculties. The appointee will also be expected to teach and provide leadership in physiology within the teaching programmes of the department and to contribute to appropriate honours and postgraduate courses.

Salary will be within the professorial range.

Please quote REF: 796565SI.

Enquiries may be addressed to Ms J M Hackel, Secretary to the Special Chair Selection Committee, Faculty of Veterinary Medicine, Royal (Dick) School of Veterinary Studies, Summerhall, Edinburgh EH9 1QH (e-mail: [Janet.Hackel@ed.ac.uk](mailto:Janet.Hackel@ed.ac.uk); telephone +44 (0)131 650 6150; fax +44 (0)131 650 6585).

**Applications, giving the names and addresses of three referees should be lodged with The Secretary to the University, University of Edinburgh, 1 Roxburgh Street, Edinburgh EH8 9TB, from whom an application form and further particulars may be obtained.**

**Candidates from within the United Kingdom should send 12 copies of their application. Overseas candidates need send only one copy of each document. Applications by fax (+44 (0)131 650 6509) should be confirmed by mail.**

Closing date: 31 October 1997. (It is intended to hold interviews on Wednesday 14 January 1998.)



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in Teaching  
and Research**

**Committed  
to Equality of  
Opportunity**

## POSITIONS OPEN

**ASSISTANT/ASSOCIATE PROFESSOR** (Oral Anatomy/Cell Biology). The Department of Oral Health Sciences, in conjunction with the Department of Cell Biology and Anatomy in the Faculty of Medicine and Oral Health Sciences, University of Alberta invites applications for a tenure-track position at the Assistant/Associate Professor level. We are seeking an individual to enhance our research specific to the oral facial region. The faculty has current strengths in neurobiology, cell signaling, protein targeting and organelle biogenesis, and cell-cell interactions, which could be complemented by this candidate. Salary range: \$39,490 to \$70,124 per annum plus comprehensive benefits. The successful applicant will have a proven record of research achievement and will be eligible for funding by the Alberta Heritage Foundation for Medical Research. The chosen candidate will be expected to carry on an independent research program, but will also have the opportunity for collaborative interactions with multidisciplinary research groups within the University. A contribution to the Department's teaching program will also be expected. *In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. If suitable Canadian citizens and permanent residents cannot be found, other individuals will be considered.* Please send a curriculum vitae, a one-page statement of research interests, and have three to five letters of reference sent to: **Dr. G. Wayne Raborn, Associate Dean and Department Chair, Oral Health Sciences, University of Alberta, Edmonton, Alberta T6G 2N8 Canada.** Deadline for receipt for applications is November 15, 1997. *University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disability, and members of visible minorities.*

### ASSISTANT PROFESSOR OF BIOCHEMISTRY AND MOLECULAR BIOLOGY Indiana University, Bloomington

The Medical Sciences Program of the Indiana University School of Medicine in Bloomington invites applications from candidates with at least two years of postdoctoral experience and a strong publication record for a 12-month, tenure-track position as Assistant Professor of biochemistry and molecular biology starting July, 1998. The successful applicant is expected to participate in teaching biochemistry to medical and graduate students and to establish an extramurally funded, independent research program asking questions of fundamental importance to human neoplastic disease. The Program is seeking an individual with interest in all aspects of the molecular basis of signal transduction or membrane biochemistry in mammalian systems. The Program also wants to strengthen existing ties with the NCI-designated Cancer Research Institute of Indiana University. Preference will be given to those candidates who can document both teaching and research expertise and whose research interests complement those of current faculty. More information may be obtained from [website: http://www.indiana.edu/~medsci/](http://www.indiana.edu/~medsci/). Applicants should send a curriculum vitae, a statement of teaching commitment and philosophy, a summary of current and anticipated research activities, and arrange to have three letters of reference sent by November 15, 1997, to: **Search Committee, Medical Sciences Program, Indiana University School of Medicine, Myers Hall, Bloomington, IN 47405-4201.**

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

### ASSISTANT PROFESSORSHIPS IN INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY Harvard University Department of Chemistry and Chemical Biology

Applicants are invited to apply for Assistant Professorships in inorganic, organic, and physical chemistry. Applicants should arrange to have three letters of recommendation sent independently and should provide a curriculum vitae, a list of publications, and outlines of two future research projects. Applications and supporting materials should be sent no later than 1 November 1997 to: **Professor David A. Evans, Chairman, Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, MA 02138-2902.** *Harvard University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority group members.*

## POSITIONS OPEN

### ECOSYSTEM ECOLOGY ASSISTANT PROFESSOR SCHOOL OF LIFE SCIENCES University of Illinois at Urbana-Champaign

Candidates are invited to apply for a full-time, tenure-track position at the rank of Assistant Professor in terrestrial ecosystem ecology. The position starts in August 1998. We seek and will give preference to individuals whose research focuses on mechanisms controlling the biogeochemical cycling of carbon, nitrogen, or other important elements, particularly as these cycles are influenced by rapid climate change. Advanced training in ecology and aspects of microbiology, geology, or atmospheric chemistry is desirable. The successful applicant should have a Ph.D. degree and postdoctoral research experience. Responsibilities include teaching at the undergraduate and graduate level and maintaining a creative, vigorous, and independently funded research program. The applicant is expected to interact closely with the ecologists and plant biologists and to participate in campus-wide initiatives in environmental studies. Salary will be commensurate with experience. To ensure full consideration applications should be received by November 7, 1997. Applicants should submit a curriculum vitae, statements of research and teaching interests, and the names, addresses, and telephone numbers for four referees to: **Dr. Evan H. DeLucia, Chair, Faculty Search Committee, School of Life Sciences, University of Illinois, 393 Morrill Hall, 505 South Goodwin Avenue, Urbana, IL 61801. Telephone: 217-333-3044; FAX: 217-244-1224.** *The University of Illinois is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

### ECOLOGICAL GENETICIST AND MOLECULAR GENETICIST

The Department of Biological Sciences at Western Michigan University seeks applications for two tenure-track **ASSISTANT PROFESSOR** positions beginning fall 1998, pending budgetary approval. A Ph.D. and postdoctoral experience in related fields are required. One position requires expertise in ecological genetics with preference given to candidates working with animals. Teaching responsibilities will include a genetics course for majors, contribution to an introductory organismal biology course with alternate offerings in the area of expertise. The second position requires expertise in molecular genetics. Teaching responsibilities will include an introductory cell biology course and an upper-level molecular genetics course with alternate offerings in the area of expertise. In both cases, preference will be given to candidates who have the potential to develop externally funded research programs, have previous teaching experience and complement the mission and development of the department (see [website: http://www.wmich.edu/bios/](http://www.wmich.edu/bios/)).

Send letter of application for a specific position, curriculum vitae, statement of research and teaching plans, and three letters of reference to: **Leonard Beuving, Ph.D., Chair, Department of Biological Sciences, Western Michigan University, Kalamazoo, MI 49009-3899. FAX: 616-387-2849.** Review of applications will begin November 1, 1997, and applications will be accepted until the final candidates have been selected. *Western Michigan University is a Carnegie classification Doctoral I institution and an Equal Opportunity Employer with an Affirmative Action program to encourage applications from underrepresented groups.*

**TERRESTRIAL ECOLOGIST.** The Ecology and Evolutionary Biology Department at Rice University is seeking to fill a tenure-track position at the level of **ASSISTANT PROFESSOR**. We are particularly interested in someone with a strong research record at the community or higher level whose research has a strong computational or statistical component, but we will consider any excellent candidate who will complement our current faculty in ecology or conservation biology. Teaching responsibilities will involve participation in introductory and advanced courses in ecology and/or conservation biology. Rice is a private research university with a strong commitment to the highest standards of education at the graduate and undergraduate level. Interested applicants should send a curriculum vitae, statements of teaching and research interests, relevant reprints, and three letters of recommendation to: **Search Committee, Department of Ecology and Evolutionary Biology, MS-170, Rice University, 6100 South Main, Houston, TX 77005** by November 1, 1997. *Women and minorities are encouraged to apply. Rice University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### ASSISTANT PROFESSOR

The Department of Biological Sciences, University of Iowa, invites highly qualified applicants for one or more tenure-track positions in developmental biology. Appointment is expected to be at the Assistant Professor level; however, exceptional candidates may be considered at the **ASSOCIATE PROFESSOR** level. The department seeks individuals whose research emphasizes genetic or evolutionary approaches to developmental biology. Required qualifications include: a Ph.D. degree; postdoctoral research experience; significant publication record in leading scientific journals; evidence of the ability to develop a strong, independent research program with high visibility in the international scientific community; teaching qualifications commensurate with departmental needs. An important consideration will be the potential for research collaboration with one or more research groups already existing in the department. Teaching duties will include participation in teaching undergraduate and graduate developmental biology courses. Applicants should send a curriculum vitae, reprints, and a statement of research and teaching interests, and have three letters of recommendation sent to: **Development Search Committee, Department of Biological Sciences, University of Iowa, 138 Biology Building, Iowa City, IA 52242-1324.** Applications will be reviewed starting December 1, 1997. For more information about the department, university, and region, visit [website: http://www.uiowa.edu](http://www.uiowa.edu). *The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are especially encouraged to apply.*

### ASSISTANT/ASSOCIATE/FULL PROFESSOR DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY University of Illinois College of Medicine

Applications and nominations are invited for a tenure-track faculty position at the level of Assistant, Associate, or Full Professor. All areas of biochemistry will be considered; however, we are especially interested in individuals using transgenic vertebrate systems to investigate problems related to gene expression in the context of development and molecular medicine. Applicants should have a Ph.D., postdoctoral experience, a strong record of research accomplishments, and demonstrable potential for the development of an independent research program. The Department is one of six basic science departments in the largest College of Medicine in the United States and consists of 18 full-time faculty and 13 joint appointees. In recent years we have recruited several senior and junior faculty and are most interested in fostering independent research in an environment of interactive collegiality. Applications should include a curriculum vitae, a summary of current and future research plans, and the names, addresses, and telephone and FAX numbers of at least three individuals for references. All inquiries will be held in confidence. Review of applications will begin after October 19, 1997. Send applications or nominations to: **Chair, Search Committee, Department of Biochemistry and Molecular Biology (M/C 536), University of Illinois College of Medicine, 1819-53 West Polk Street, Chicago, IL 60612.** *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

### INTEGRATIVE PHYSIOLOGIST

The Department of Biological Sciences seeks a tenure-track position in physiology at the **ASSISTANT PROFESSOR** level. Candidates must have a terminal degree and postdoctoral experience is desired. Teaching responsibility will include a course in human anatomy and physiology for health science majors and participation in physiology courses in the undergraduate curriculum of the department. Research interest should complement existing areas of the department ([website: www.UNLV.edu](http://www.UNLV.edu)) which emphasize a comparative approach to the study of basic physiological processes. The successful candidate will be expected to develop an independent research program and will have the opportunity to develop graduate courses in areas of specialty. Please submit a curriculum vitae, statement of research and teaching interests, and three letters of recommendation to: **Dr. Stanley D. Hilliard, The Department of Biological Sciences, University of Nevada, Las Vegas, 4505 Maryland Parkway, Las Vegas, NV 89154-4004.** Review of completed applications will begin November 1, 1997. Position contingent upon pending budget approval. *The University of Nevada, Las Vegas is an Equal Opportunity/Affirmative Action Employer. UNLV only employs U.S. citizens and others authorized to work in the United States.*

#### CELLULAR AND VIRAL IMMUNOLOGY:

**BARBARA REHERMANN**

Postdoctoral position to study the immunopathogenesis of hepatitis B and C (helper and CTL response, viral mechanisms of escape from immune surveillance). Experience in cellular and molecular immunology, especially in animal models, antigen processing or signal transduction strongly preferred.

#### IRON METABOLISM AND TOXICITY:

**CAROLINE PHILPOTT**

Postdoctoral position to study the effects of excess iron uptake in human cells and yeast. We utilize a genetic model of iron intoxication in yeast to investigate the mechanism by which excess iron leads to cell cycle arrest and DNA damage. Research efforts will be expanded to include the human disease of iron overload, hemochromatosis. Experience in yeast genetics and/or molecular biology required.

Candidates should have a Ph.D. with less than 5 years of postdoctoral experience. Application should be sent to:

**LIVER DISEASES SECTION, NATIONAL INSTITUTE OF DIABETES, DIGESTIVE & KIDNEY DISEASES, NATIONAL INSTITUTES OF HEALTH, BLDG. 10, ROOM 9B16, 10 CENTER DRIVE, BETHESDA, MD 20892-1800; FAX: 301-402-0491.**

NIH is an Equal Opportunity Employer

#### EUROPEAN CAREER OPPORTUNITIES



# NOVARTIS

The Novartis Forschungsinstitut is a Vienna-based pharmaceutical research centre representing an important element in the international drug discovery effort of the Novartis group.

## The Cellular/Molecular Biology Unit

offers a

### Postdoctoral Position

to study molecules involved in dendritic cell function.

Candidates must have a Ph.D. or M.D., with strong background in Immunology and/or Cell Biology, and proven expertise in Molecular Biology. Experience in viral-mediated gene transfer or phage antibody technology will be an advantage.

We are seeking a colleague with good teamwork and problem-solving skills and an established publication record. In return, we offer competitive salary, state-of-the-art facilities and equipment.

To apply, please send a full curriculum vitae with names of references to:

**Novartis Forschungsinstitut GmbH**  
attn. Ms. Marion Kala, Personnel Department  
Brunner Straße 59, A-1235 Vienna, Austria

For more information on our Institute visit our website at  
<http://www.at.novartis.com>

*We are an Equal Opportunity Employer.*

#### ENDOWED CHAIR IN CARDIOVASCULAR SURGERY RESEARCH

The Division of Cardiovascular and Thoracic Surgery, in the Department of Surgery, at the University of South Florida, in conjunction with the Sun Coast Chapter of the American Heart Association, is seeking an established investigator for an Endowed Chair. Qualifications include an outstanding research record, a history of peer-reviewed grant support, and academic accomplishments to meet appointment at the Associate or Full Professor rank. A minimum of five years of service as an Assistant Professor is required to qualify for an appointment as Associate Professor; as well as five years as an Associate Professor, to qualify for appointment as Professor. Position may be tenure-track earning.

Experience in collaborative research with clinicians is desirable and individuals with active grant support will be given preference.

The University of South Florida has a well established record in research with particular strengths in molecular mechanisms of signal transduction and cytokine biology.

Send inquiries and current curriculum vitae, along with three references, to:

**Larry C. Carey, M.D., Chair**  
**Eminent Scholar Search Committee**  
**College of Medicine**  
**University of South Florida**  
**12901 Bruce B. Downs Blvd., MDC—Box 16**  
**Tampa, FL 33612-4799**

Applications must be postmarked by deadline date of November 1, 1997.

*USF is an Equal Opportunity/Affirmative Action/Equal Access Institution. For disability accommodations contact Mimi Costello, 813/974-7094/TDD 813/974-2215 a minimum of five working days in advance. According to Florida law, applications and meetings regarding the same are open to the public.*

#### EUROPEAN CAREER OPPORTUNITIES

### UNIVERSITY OF COPENHAGEN



### Postdoctoral Fellow in Molecular Biology

A two year postdoctoral position is available immediately to study receptors and transport proteins involved in pancreatic bicarbonate secretion. Applicants should have a strong background in various techniques of molecular biology including RT-PCR, in situ hybridization, immunohistochemistry and cloning. The postdoctoral fellow will have close collaboration with physiologists studying epithelial transport by means of electrophysiological and fluorescence-optical methods and whole-organ studies.

Interested applicants should request the full description of the position. Address all inquiries by email: [inovak@aki.ku.dk](mailto:inovak@aki.ku.dk) or by Fax: Drs. I. Novak and E. H. Larsen, August Krogh Institute, Universitetsparken 13, University of Copenhagen, DK-2100 Copenhagen Ø, Denmark, Fax: +45 35 32 15 67. Deadline for application is October 31, 1997, noon.

### UNIVERSITY OF COPENHAGEN



## POSITIONS OPEN

### ASSISTANT PROFESSOR OF BIOPHARMACEUTICAL SCIENCES AND PHARMACEUTICAL CHEMISTRY (TENURE-TRACK)

Department of Biopharmaceutical Sciences  
University of California, San Francisco

The Department of Biopharmaceutical Sciences invites applications for an Assistant Professor position in the field of gene delivery. Applicants should have a Ph.D. or M.D. degree with research experience in and a planned research focus on using gene delivery approaches to solve research problems in mammalian disease. Possible areas of interest include novel approaches to vaccination, genetic manipulation of the immune response, and gene therapy for metabolic or cellular diseases. Applicants are expected to have an interest in gene delivery methods as well as the specific diseases under study.

Teaching responsibilities will be in the professional curriculum in the School of Pharmacy and in graduate (Ph.D. program) and elective courses in topics related to gene delivery and therapy.

Send a curriculum vitae, three letters of reference, a summary of current research, and a concise outline of future research by December 1, 1997, to:

Frances M. Brodsky, D.Phil.  
Department of Biopharmaceutical Sciences  
School of Pharmacy, Box 0446  
University of California  
San Francisco, CA 94143-0446

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

### FISH/SHELLFISH DISEASE MICROBIOLOGIST

The Department of Biochemistry, Microbiology, and Molecular Biology is seeking a Microbiologist at the ASSISTANT/ASSOCIATE PROFESSOR level with broad training in microbiology, virology, immunology, and research focused specifically on diseases of cultured marine organisms. Applicants should have a doctorate in microbiology or related discipline, grant writing experience, and postdoctoral research experience in diseases of fish/shellfish. The candidate will be expected to develop an externally funded research program focused on diseases of cultured marine species, to teach an undergraduate course in pathogenic microbiology, and to develop a graduate course in his or her area of specialty. Salary is commensurate with experience. The position is a full-time academic year tenure-track position. Send cover letter, curriculum vitae, research plans, and names and addresses of three references to: Dr. John T. Singer, Microbiology Search Committee, Department of Biochemistry, Microbiology, and Molecular Biology, 5735 Hitchner Hall, University of Maine, Orono, ME 04469-5735. Telephone: 207-581-2808; e-mail: jsinger@maine.maine.edu. Review of applications will begin November 30 and continue until a suitable candidate has been located. Women and minorities are encouraged to apply. The University of Maine is an Affirmative Action/Equal Employment Opportunity Employer.

**BIOLOGY. ASSISTANT PROFESSOR OF BIOLOGY**, Division of Natural Science and Mathematics. Oxford College of Emory University invites applications for a nine-month, tenure-track position beginning August 1998. Ph.D. required, teaching experience preferred. Primary teaching responsibility will be in genetics at the introductory level, introductory biology, and zoology. To qualify, the applicant must have a strong commitment to excellence in teaching freshmen and sophomores in a small residential liberal arts college, and the desire to pursue scholarly activities appropriate to the position. Oxford College (website: [www.emory.edu/oxford](http://www.emory.edu/oxford)) is a two-year division of Emory University located 35 miles east of Atlanta. Please provide curriculum vitae, letter of application describing teaching experience, official transcripts, and names, addresses, and telephone numbers of at least three references by December 1, 1997, to: Dr. M. Eloise Carter, Chair of Search Committee, Division of Natural Science and Mathematics, Oxford College of Emory University, Oxford, GA 30054. Affirmative Action/Equal Opportunity Employer.

The School of Dental Medicine, Université de Montréal, invites applicants for a tenure-track ASSISTANT PROFESSORSHIP from persons with clinical and experimental research expertise in the study of abnormal movement disorders and pain.

For details, contact: Dr. Arto Demirjian, Telephone: 514-343-6072; FAX: 514-343-2233; e-mail: arto@medent.umontreal.ca; website: <http://www.medent.umontreal.ca/job.html>.

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION IN CELL BIOLOGY

The School of Biological Sciences, University of Missouri-Kansas City (UMKC), invites applications for a tenure-track senior faculty position (ASSOCIATE PROFESSOR or PROFESSOR) in cell biology/anatomy. Consideration will be given to applicant research areas compatible with, but not limited to, existing lines of the School's research focus on molecular recognition, embryology/developmental biology or neuroscience. We seek an outstanding scholar with exemplary communication and supervisory skills who has previously attained U.S. University tenure or equivalent status at other universities. Additional requirements are teaching experience in an English-language institution and demonstrated record of collegial interactions. Teaching activities will involve participation in at least two of the following disciplines: cell biology, embryology, histology, and anatomy. State-of-the-art research facilities, competitive salary, start-up funds, and fringe benefits are available. Review of applications will begin October 15, 1997, and will continue until the position is filled. Submit curriculum vitae with summary of present and future research interests, and request that three letters of recommendation be forwarded to: CBB Search Committee, Division of Cell Biology and Biophysics BSB 403, School of Biological Sciences, 5007 Rockhill Road, University of Missouri-Kansas City, MO 64110-2499.

Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR MOLECULAR GENETICS.** The School of Biological Sciences is beginning its second phase of expansion as a Program of Eminence within the University of Missouri System. The areas of molecular genetics and structural biology are designated for development within the School in the new 10-year plan. Thirty members have already been appointed to the School's faculty as part of the first phase. This person will become a School of Biological Sciences Career Scholar-Scientist. This unique opportunity for a junior/intermediate-level position is the first in the new cycle of growth designed to attract preeminent young scientists. For this purpose, we have marshalled resources commensurate to the task. We seek an outstanding investigator with expertise in the area of eukaryotic molecular genetics or closely related disciplines including molecular immunology and molecular neurobiology. The successful candidate is expected to develop and expand an externally funded research program with some teaching obligations. A Ph.D. with demonstrated publications and with existing or imminent peer-reviewed, renewable, federal grant support will be given preference. Extremely competitive salary and start-up package available. Submit curriculum vitae, a brief statement of research interest, and the names, addresses, and telephone numbers of four references to: Career Scholar-Scientist Search, Office of the Dean, School of Biological Sciences, University of Missouri-Kansas City, 5100 Rockhill Road, Kansas City, MO 64110. An Affirmative Action/Equal Opportunity Employer.

### ASSISTANT PROFESSOR DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY Medical College of Ohio

Applications are invited for a tenure-track, full-time faculty position from individuals who have a doctoral degree, postdoctoral experience, and record of research productivity. The successful candidate is expected to develop an independent, extramurally funded research program and participate in teaching. We are particularly interested in applicants who are focused on microbial pathogen-host interactions at the cellular level. Competitive salary, space, and start-up funds will be provided. Applicants should send a statement of research goals with representative reprints, a curriculum vitae, and three letters of recommendation to: Garry T. Cole, Ph.D., Chairman, Department of Microbiology and Immunology, Medical College of Ohio, 3055 Arlington Avenue, Toledo, OH 43614-5806. Deadline is November 1, 1997. Visit our website: <http://www.mco.edu:80/micro/index.html>. Affirmative Action/Equal Opportunity Employer.

University-associated foundation in Philadelphia is currently recruiting for the position of ASSISTANT PROFESSOR in plant pathology with experience in molecular biology and genetics. Candidate should have the ability to work independently on plant-based vaccine projects. Send your curriculum vitae by e-mail: ydubrovi@hendrix.jci.tju.edu (ASCII format) or FAX: 215-923-6786.

## POSITIONS OPEN

### FACULTY POSITION IN NEUROSCIENCE ASSISTANT PROFESSOR

The Department of Physiology, University of Wisconsin-Madison, invites applications for a tenure-track position at the rank of Assistant Professor in an area of neurophysiology that complements present departmental strengths. We seek candidates who use molecular and cellular approaches in their research, although applications from outstanding systems neuroscientists will also be considered. The Department provides a very supportive environment for research and teaching, and there are excellent opportunities for participation in vigorous programs of campus-wide interdisciplinary research and training. The successful candidate will be expected to participate fully in the teaching programs of the Department.

Applicants should send curriculum vitae, a one to two page summary of research interest and plans, and the names and addresses of three individuals who will act as references to: Dr. Richard L. Moss, Chair, Department of Physiology, University of Wisconsin, 1300 University Avenue, Madison, WI 53706. To ensure consideration, applications should be submitted by December 1, 1997. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

### TENURE-TRACK POSITION PROSTATE CANCER OR OTHER UROLOGICAL DISEASES

The Department of Urology at Northwestern University Medical School seeks applicants for a tenure-track position at the level of ASSISTANT PROFESSOR, although higher ranks will be considered for particularly well-qualified applicants. This position emphasizes the quality of the applicants rather than prior research interests. However, the applicants should have desire and capability of developing a rigorous research program in the area of prostate cancer and/or other urological problems. The applicants are expected to attract extramural funding. The Department of Urology at Northwestern provides an excellent environment for career development of young investigators with interests in prostate cancer research or other urological research. Applicants must have a Ph.D. or equivalent, postdoctoral training, and a commitment to excellence in research. Send curriculum vitae, names of at least three references, and a statement of research plans to: Wade Bushman, M.D., Ph.D., Department of Urology, Northwestern University Medical School, Tarry 11-715, 303 East Chicago Avenue, Chicago, IL 60611. Affirmative Action/Equal Opportunity Employer.

University of Washington, Department of Chemistry seeks outstanding candidates for three or more tenure-track faculty appointments at the ASSISTANT PROFESSOR level. Appointments at the ASSOCIATE and FULL PROFESSOR level may also be considered in exceptional circumstances. Applications are sought in all areas of chemistry, as well as interdisciplinary areas involving chemistry. Candidates will be expected to participate in undergraduate and graduate teaching and to develop a vigorous, externally funded research program. Applicants must have a Ph.D. or equivalent degree by date of appointment. Please submit a curriculum vitae, statement of research and teaching interests, and three letters of reference to: Professor Paul B. Hopkins, Chair, Department of Chemistry (Search), Box 351700, University of Washington, Seattle, WA 98195-1700. Priority will be given to applications received by November 3, 1997. University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. Affirmative Action/Equal Opportunity Employer.

The Energy and Resources Group of the University of California, Berkeley seeks a scholar starting 1998-99 in the general area of "Energy and Society" for a faculty appointment at the tenure level (ASSOCIATE/FULL). Candidates must have graduate-level training in the physical sciences, a record of creative research spanning energy technology and policy, experience in seeking extramural funding, a strong interest in teaching in a highly interdisciplinary academic environment, and a demonstrated ability to introduce scientific information into policy debates. Deadline for application is December 1, 1997. Applicants should submit a curriculum vitae, a brief statement of research plans and teaching interests, and the names of three references to: Search Committee Chairperson, Energy and Resources Group, 310 Barrows Hall, University of California, Berkeley, CA 94720-3050. The University of California is an Equal Opportunity, Affirmative Action Employer.

## GRADUATE ESTUARINE RESEARCH FELLOWSHIPS

The National Estuarine Research Reserve System (NERRS) of the National Oceanic and Atmospheric Administration announces the availability of funding for Graduate Research Fellowships (GRF). The NERRS consist of 22 protected estuarine areas of the United States that are designated, developed, and managed for research and educational purposes. In 1998, 19 GRFs are expected to be competitively available to qualified graduate students. The NERRS GRF program is intended to fund high quality research focused on improving coastal zone management while providing students with hands-on training in conducting ecological monitoring. Research projects submitted in response to this announcement must address coastal management issues that relate to the "Scientific Areas of Support" described below. Fellowships will start no earlier than June 1, 1998.

### SCIENTIFIC AREAS OF SUPPORT

- Non-point source pollution
- Biodiversity and effects of invasive species
- Estuarine ecosystem restoration
- Sustaining estuarine ecosystems

### TERMS AND CONDITIONS

Fellowships may be funded for up to three years. The amount of the award is \$16,500/annum; this may be used for salary, to defray the costs of living expenses, tuition, fees and/or research supplies. The fellow's research must take place within at least one Reserve. Fellows must contact their host Reserve to discuss research and training opportunities. A list of Reserves is provided below. The fellow will be asked to work with the Research Coordinator or Reserve Manager to develop an ecological monitoring education program for up to 15 hours per week. Fellowships must be matched by the applicant by at least 30% of the **TOTAL project cost**. For \$16,500 in Federal funds, the required match is \$7,072. Availability of fellowships is contingent upon funding. **Applications must be postmarked no later than November 1, 1997.**

### ELIGIBILITY

Students admitted to or enrolled in a full-time Master's or Doctoral program at U.S. accredited colleges and universities are eligible to apply. Students should have completed a majority of their course work at the beginning of their fellowship, and have an approved thesis research program. Recipients are subject to all Federal laws and Federal and Department of Commerce policies, regulations, and procedures applicable to Federal financial assistance awards.

### NERR Research Contacts

**Sites with openings:** **Alabama:** Weeks Bay NERR, 334-928-9792. **California:** Elkhorn Slough NERR, 408-728-2822 • Tijuana River NERR, 619-575-3613. **Delaware:** Delaware NERR, 302-739-3493. **Florida:** Apalachicola Bay NERR, 850-670-4783 • Rookery Bay NERR, 813-775-8845. **Georgia:** Sapelo Island NERR, 912-264-7218. **Maine:** Wells NERR, 207-646-1555. **New Hampshire:** Great Bay NERR, 603-868-1095. **New Jersey:** Mullica River NERR, 908-932-9489 x512. **New York:** Hudson River NERR, 914-758-7013. **Ohio:** Old Woman Creek NERR, 419-433-4601. **Oregon:** South Slough NERR, 541-888-5558. **Puerto Rico:** Jobos Bay NERR, 809-853-4617. **South Carolina:** Ashepoo-Combahee-Edisto Basin NERR, 803-736-5050. **Virginia:** Chesapeake Bay NERR in Virginia, 804-642-7135. **Sites not expected to have openings:** **Maryland:** Chesapeake Bay NERR in Maryland, 410-228-9250 x615. **Massachusetts:** Waquoit Bay NERR, 508-457-0495. **North Carolina:** North Carolina NERR, 910-395-3905. **Rhode Island:** Narragansett Bay NERR, 401-683-5061. **South Carolina:** North Inlet-Winyah Bay NERR, 803-546-3623. **Washington:** Padilla Bay NERR, 360-428-1558.

### APPLICATION PACKAGE & ADDITIONAL INFORMATION



Dr. Dwight D. Trueblood  
Science Coordinator  
NOAA/Sanctuaries & Reserves Division  
1305 East-West Highway, 11<sup>th</sup> Floor  
Silver Spring, MD 20910  
301-713-3145 ext. 174  
dtrueblood@ocean.nos.noaa.gov

### Ph.D. Training Program in Chemical Biology at The University of Texas Southwestern Medical Center

In recognition of the rich and dynamic synergism between chemistry and biology, The University of Texas Southwestern Medical Center at Dallas announces the establishment of a Training Program in Chemical Biology under the aegis of the Biochemistry & Molecular Biology Graduate Program. The program's faculty of chemists, discovery biologists, and biochemists includes one Nobel Laureate and three members of the National Academy of Sciences and is committed to providing rigorous training at the interface between chemistry and biology. UT Southwestern enrolls over 500 graduate students and offers a vibrant atmosphere for research noted for the accessibility of its faculty.

#### Program Faculty

**Stefan Andersson**, Ph.D./Steroid hormone action and metabolism; Biochemistry, pharmacology, and genetics of 17 $\beta$ -hydroxysteroid dehydrogenases  
**David R. Corey**, Ph.D./Engineering proteins and nucleic acids for novel function  
**Johann Deisenhofer**, Ph.D./Crystallography of biological macromolecules; Structure and function of proteins  
**Ron Estabrook**, Ph.D./Role of hemoproteins in the oxidative metabolism of drugs and steroids  
**J. R. Falck**, Ph.D./Total synthesis of natural products; Organometallics; Arachidonic acid metabolism; Chemistry of inositol phosphate pathway  
**Elizabeth Goldsmith**, Ph.D./Crystallographic studies of recognition and signal transduction in proteins  
**Patrick Harran**, Ph.D./Chemical synthesis; New design strategies for drug development; Molecular basis for function in novel chemotherapeutics  
**Stephen Johnston**, Ph.D./Eukaryotic gene regulation; Mechanisms for turning genes on and off; Development of biotechnology, particularly somatic cell modification  
**Thomas Kodadek**, Ph.D./Enzymology of transcription and genetic recombination; Molecular basis of protein-protein interactions  
**Steve McKnight**, Ph.D./Molecular genetics and biochemical studies of mammalian gene regulation  
**Julian Peterson**, Ph.D./Electron transfer reactions related to monooxygenase systems; Mechanism of P450 catalyzed reactions  
**Margaret Phillips**, Ph.D./Polyamine biosynthetic enzymes from the parasites *Trypanosoma brucei* and *T. cruzi*; Structure function studies; Drug design  
**Jose Rizo-Rey**, Ph.D./Structural analysis of synaptic proteins by NMR  
**Steve Sprang**, Ph.D./Crystallographic studies of hormone receptor complexes

For more information, visit the Chemical Biology Training Program website at <http://biochemweb.swmed.edu/training> or contact Prof. J. R. Falck, UT Southwestern, 5323 Harry Hines Blvd., Dallas, TX 75235-9038; Tel 214/648-2310, FAX 214/648-8856, E-mail VOSS@biochem.swmed.edu.

### PROFESSOR AND CHAIR DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY MEDICAL COLLEGE OF VIRGINIA VIRGINIA COMMONWEALTH UNIVERSITY

The School of Medicine of Virginia Commonwealth University is seeking an outstanding individual to provide leadership as Chair of the Department of Microbiology and Immunology. The candidate is expected to hold a Ph.D., and/or D.D.S., or M.D. degree(s), with graduate and/or research training in areas relevant to modern Microbiology and Immunology. The successful candidate will have demonstrated administrative ability, a commitment to professional and graduate education, and an internationally recognized, externally funded research program in the field of Microbiology and Immunology. It is expected that the new chair will lead a well established and highly productive Microbiology and Immunology faculty forward in their quest for research growth, while fostering continued excellence in the Department's graduate and professional educational activities. At present, the Department has active and competitive programs in molecular pathogenesis, immunology and molecular biology, and genetics. The Department website may be consulted at <http://view.vcu.edu/~dconrad/micro.html> for more details. The position is offered with competitive salary and benefits. Interested candidates should send a letter of intent, together with curriculum vitae, and the names and addresses of at least three references to:

Chair, Search Committee for the  
Chair of the Department of Microbiology and Immunology  
P.O. Box 980709  
Richmond, VA  
23298-0709

The deadline for application is December 1, 1997  
"Virginia Commonwealth University is an Equal Opportunity/  
Affirmative Action Employer. Women, minorities, and persons with  
disability are encouraged to apply."



# HEAD OF TOXICOLOGY & SAFETY EVALUATION

## - PHARMACOLOGY -

**Athena Neurosciences, Inc.** is a growing biopharmaceutical company committed to the discovery & development of new products to diagnose and treat diseases of the central nervous system. We are seeking a highly experienced senior toxicologist to provide leadership & direction to a group of scientists, including two Ph.D. toxicologists, who will be evaluating the safety and mechanism of toxicity of potential drug candidates and pharmaceutical products.

Working within the department of Pharmacology, the successful candidate will serve as a vital liaison between the preclinical research group and the departments of Clinical & Regulatory Affairs and Technical Operations. Duties will include strategic planning; preparation of documents for regulatory submission; supervision of contract toxicology studies; preparation of protocols and reports in compliance with GLP; and lending toxicology expertise as needed for evaluation of neurobiological drug candidates for in-licensing.

The ideal candidate will have extensive experience supporting all phases of preclinical & clinical development, including at least 10 years' experience in the pharmaceutical industry. The position requires a thorough knowledge of pharmaceutical technology and GLP as applied to preclinical studies; extensive experience with typical tests used in the preclinical evaluation of drugs; knowledge of U.S. and foreign requirements for safety testing of biologics and drugs; the ability to evaluate adequacy of facilities and personnel to perform various tests for preclinical evaluation of drugs, especially neuropharmacological agents; the demonstrated desire to work as part of a team; and good written/verbal communication skills. Board certification preferred, but not required.

Athena offers a competitive salary & benefits package, along with the opportunity to work for a respected industry leader. To apply, please send/fax resume to: **Athena Neurosciences, Attn: Human Resources, Job# SC1003-DPD, 800 Gateway Blvd., South San Francisco, CA 94080. Fax: (415) 877-8370.**



*Equal Opportunity Employer*

## UCLA NEUROSCIENCE

The UCLA School of Medicine is seeking applications, and nominations, of distinguished neuroscientists for a tenured senior faculty position. A major commitment of resources is being made to this recruitment, which is being undertaken in connection with the new Gonda (Goldschmied) Neuroscience and Genetics Research Center. Please send a letter of application or nomination, along with a current curriculum vitae, to **Allan J. Tobin, Director, Brain Research Institute, UCLA, Los Angeles, CA 90095-1761. UCLA is an Equal Opportunity Employer.**

## POSITION ANNOUNCEMENT

### SPECIAL PROJECT — PROCESS MODELER

Westvaco, a major manufacturer of pulp, paper, and specialty chemicals, has a special project position available for a maximum of two years in the Biometrics Center at the Forest Science Laboratory in Summerville, SC. The objective of the position is to identify and initiate development of the model structure(s) best suited for integrating process-level forestry research results to predict forest stand functioning and productivity. Detailed research related to the genetic basis of plant growth, plant responses to their environment, and soil-environment and soil process effects on nutrient availability are ongoing. The incumbent will work closely with a team of biometricians, geneticists, soil scientists, and ecophysiologicalists to incorporate their results into the selected process model(s). By the end of the two-year period, the incumbent will be expected to have a working prototype process model(s), and identify further research needs to enhance the modeling effort.

**Requirements:** Prefer applicants with a Ph.D. in ecology, ecophysiology, or plant physiology with a proficiency in math, statistics, and computer programming required. Master's degree candidates with a graduate degree in quantitative ecology or plant physiology will also be considered if they have a minimum of three to five years experience in physiological and quantitative research. In addition, all candidates should have experience in developing and using physiologically-based process models, and have excellent oral and written communications skills. *All applicants must be eligible to work in the United States.*

**Salary:** Commensurate with experience and training

**Closing Date:** Until a suitable candidate is found.

Interested parties should send a letter of intent, résumé, college transcripts, and a list of references to:

**Ms. C. L. McCord  
Westvaco Forest Science Laboratory  
P.O. Box 1950  
Summerville, SC 29484**

For inquiries, call (803) 851-4733 or e-mail: [clmccor@westvaco.com](mailto:clmccor@westvaco.com)

*Westvaco is an Equal Opportunity Employer, M/F.*

## NIMH NATIONAL TRAINING PROGRAM IN COMPLEX SYSTEMS AND BRAIN SCIENCES AT FLORIDA ATLANTIC UNIVERSITY PRE-AND POSTDOCTORAL FELLOWSHIPS

Predoctoral and Postdoctoral fellowships are available, funded by NIMH (Division of Basic Brain and Behavioral Sciences). Individuals with undergraduate degrees in pertinent disciplines are invited to apply for this 5-year training program leading to the Ph.D. degree in Complex Systems and Brain Sciences. The Program is administered through the Center for Complex Systems established in 1985. The aim of the Program is to couple theoretical concepts and methods for handling complex systems to specific experimental research in the cognitive and brain sciences.

Graduate training consists of a core curriculum in non-linear dynamics and neuroscience (including computational modeling and cognitive science). Postdoctoral candidates should have a strong interdisciplinary interest.

Research areas include: sensorimotor coordination and learning, human brain imaging and event-related potentials, brainstem mechanisms of behavior, neural growth and development, ion channel dynamics, speech production and perception, neurolinguistics, visual perception, mathematics of complex systems, nonlinear dynamics, neural networks and robotics.

Applicants should send a letter of interest, GRE scores (graduate fellows only), vitae, and 3 letters of reference to: **Rhona Frankel, Program in Complex Systems and Brain Sciences, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431. E-mail: [frankel@walt.ccs.fau.edu](mailto:frankel@walt.ccs.fau.edu). Please visit our website: <http://www.ccs.fau.edu>.**

**ALBANY MEDICAL COLLEGE  
PROFESSOR and DIRECTOR  
OF VASCULAR BIOLOGY**

In association with an expansion in biomedical research and graduate research training in selected interdisciplinary thematic areas of research, Albany Medical College announces the availability of a senior, tenured position as Professor and Director of the Interdisciplinary Research Group in Vascular Biology. Scientists with a Ph.D., M.D., or M.D./Ph.D. currently at the Associate Professor or Professor level are invited to apply. Applicants must have a track record of research excellence, current grant funding, and experience in mentoring graduate students or postdoctoral fellows. Ideal candidates should have expertise in either cardiovascular physiology, cardiovascular pharmacology, or vascular wall pathology. Departmental appointment can be in a basic science or clinical department. Successful candidates will have limited teaching and/or clinical responsibilities primarily defined by their own personal interests and training.

Expansion of the College's research and scientific training programs coincides with funding of the Medical Center's new Institutional Strategic Research Plan designed to expand the size of the research faculty; develop core research support facilities; and increase basic and clinical research programs in all departments. Other thematic areas of research growth include Pathogenesis & Cancer, Neuropharmacology & Neurobiology; as well as Cell & Molecular Biology. Theme areas of research will serve as the foundation for interdisciplinary predoctoral and postdoctoral training programs. Interactions of the Vascular Biology Research Group with a Clinical Center of Excellence in Heart and Vascular Diseases is projected.

The research interests of the current interdisciplinary Vascular Biology Research Group include endothelial permeability, hypertension, angiogenesis, vascular reactivity, coronary artery disease, ischemia-reperfusion injury, platelet adhesion, nitric oxide, pulmonary edema, and interstitial lung disease. The Director will have an opportunity to recruit additional tenure-track faculty to the Vascular Biology group.

Applicants should submit curriculum vitae to: **Thomas M. Saba, Ph.D., Senior Vice President for Research, Professor & Chair, Department of Physiology & Cell Biology, Box A-1, Albany Medical College, Albany, NY 12208.** Selection process will be completed by the end of 1997. *An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

**F A I R F I E L D U N I V E R S I T Y**

**TENURE-TRACK POSITION.** *Position to start September 1998. Candidates with Ph.D. and a strong commitment to undergraduate teaching, research and health sciences advising are encouraged to apply. Start-up funds are available. Salary and benefits are competitive.*

## **Molecular Biologist/ Health Sciences Advisor**

Associate professor (tenure negotiable). Proven track record of teaching, research and advising for the health sciences. Individual will serve as the health sciences advisor and a faculty member in Biology. Teaching load will consist of two courses each semester. Teaching responsibilities open, but preference given to individual with cellular/molecular experience who can contribute to a new, interdisciplinary program in neuroscience. Participation in undergraduate research and grant-writing initiatives is expected.

Send letter of application, curriculum vitae, statement of teaching goals, statement of research interests and goals (including how you would involve undergraduates), selected reprints and three letters of reference to: **Search Committee Chair, Molecular Biologist Position, Biology Department, Fairfield University, Fairfield, CT 06430.** The deadline for completed applications is November 1st.

*Women and minorities are encouraged to apply.*

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



**Fairfield  
UNIVERSITY**

Fairfield University is an Affirmative Action/Equal Opportunity Employer

## **TENURE/TENURE-TRACK POSITION**

**Clinical Studies of Bone/Mineralized Tissues**

The Craniofacial and Skeletal Diseases Branch (formerly the Bone Research Branch), National Institute of Dental Research, National Institutes of Health, is seeking a clinical scientist with a strong background in clinical and basic research of bone and related areas to head a new program focusing on maintenance and regeneration of skeletal tissue, including clinical applications. The Branch focuses on the characterization of osteogenic cells and their role in skeletal diseases through the use of protein chemistry, cell biology and molecular biology. Current studies include the used of marrow stromal cells in bone regeneration. The successful candidates will be expected to establish an independent clinical and laboratory program addressing topics in bone and related areas in health and in disease. Support will include at least two additional postdoctoral positions. The opportunity exists to fill this position either in the NIH Tenure Track Program or as a NIH tenured senior investigator.

Under the NIH Tenure-Track program, the position would be equivalent to the assistant Professor level, and the selectee would be given up to 6 years to demonstrate his/her creativity and productivity as an independent scientist. Conversion to tenure would be subject to rigorous scientific review and endorsement by the NIDR and NIH scientific incentives.

Alternatively, the position may be filled with a tenured senior investigator, equivalent to the Associate or Full Professor level. A variety of employment mechanisms are available. However, appointment in the Federal Civil Service or in the PHS Commissioned Corps requires U.S. citizenship. Salary is commensurate with qualifications and experience. Appointment in the Federal Civil Service or Commissioned Corps may entitle appointee to additional salary incentives.

Applicants must have clinical expertise (M.D. or equivalent degree), certification in a specialty area, and basic research expertise (Ph.D. or equivalent combination of experience and training), research accomplishments in bone and related areas, and the ability to develop clinical applications and clinical protocols.

Applicants may apply by submitting the following materials: a curriculum vitae, bibliography, a brief statement of research objectives, and a statement indicating in which of the two categories the application should be considered. Applicants are encouraged to address the knowledge, skills and abilities required for this position and also should arrange for three letters of recommendation to be sent directly to Ms. Cohen.

Further information about the position and qualification requirements, including knowledge, skills and abilities required, may be obtained from:

**MS. ESTHER COHEN**

**PERSONNEL MANAGEMENT SPECIALIST**

**NATIONAL INSTITUTE OF DENTAL RESEARCH**

**NATIONAL INSTITUTES OF HEALTH**

**45 CENTER DRIVE MSC 6400**

**BUILDING 45, ROOM 4AS25**

**BETHESDA, MARYLAND 20892-6400**

**(301) 496-6971**

*Application materials must be postmarked and sent to Ms. Cohen by the closing date of November 15, 1997. The opening date is October 1, 1997.*

NIH is an Equal Opportunity Employer.

## DIRECTOR

Center for Vascular Biology  
University of Connecticut Health Center School of Medicine



The University of Connecticut Health Center School of Medicine invites applications for the Director of a newly created Center for Vascular Biology. The Center will be autonomous and its Director will report to the Dean. Its faculty will have appointments within existing academic departments that are consistent with their research/clinical backgrounds; all are expected to establish funded research programs of distinction in the broad area of basic vascular biology and related disciplines. The Director will initiate the recruitment of at least three new independent tenure-track faculty positions as members of the Center. The Director and recruits will enjoy an outstanding resource package which contains generous start-up funds and an entire floor in a new state-of-the-art research building, presently under construction, with an expected completion date of November, 1998. The ideal candidate should be the leader of an internationally recognized research program in vascular biology and have the academic background and leadership qualities required to ensure vigorous growth and to establish synergistic and thematic interactions within the Health Center. Applicants should submit a complete curriculum vitae by December 1, 1997, to: **Dr. David S. Papermaster, Chair, Vascular Biology Search Committee, Medical Dean's Office, The University of Connecticut School of Medicine, 263 Farmington Avenue, Farmington, CT 06030-1920.** (Search Code 98-143)

An Affirmative Action Equal Opportunity Employer  
M/F/PWD/V

## ANNOUNCEMENT

### REQUEST FOR PROPOSALS

### McDONNELL-PEW PROGRAM IN COGNITIVE NEUROSCIENCE

The guidelines for submissions to the 1998 program competitions (training grants, research grants, and new faculty matching grants) are available on the Internet at **www.jsmf.org**. We encourage you to visit the web site for all program information. If you do not have access to the Internet, copies of the postings can be obtained via email by contacting **cns@jsmf.org** or by writing Susan M. Fitzpatrick, Ph.D., The McDonnell-Pew Program in Cognitive Neuroscience, James S. McDonnell Foundation, 1034 S. Brentwood Blvd., Suite 1850, St. Louis, MO 63117.

Information on James S. McDonnell Foundation grant programs are available from the web site, **www.jsmf.org**. Pew Charitable Trusts program information can be obtained from visiting **www.pewtrusts.org**.

# GORDON RESEARCH CONFERENCES

The 1998 Winter and International GRC Programs will  
appear in the October 10, 1997 Issue of *SCIENCE*

For further information visit

THE GRC WEB SITE

**<http://www.grc.uri.edu>**

or request information by Fax at **401-783-7644**

*VISIT THE FRONTIERS OF SCIENCE*

**GO TO A GORDON CONFERENCE**

#### **FACULTY POSITION**

##### **Department of Biological Sciences**

The Department of Biological Sciences at Dartmouth College seeks applicants for a position broadly defined in **Molecular and Cellular Biology** to be filled at the level of **Assistant, Associate, or Full Professor**. The successful candidate will be expected to supervise an independent research program that will attract extramural funding and provide research training for graduate and undergraduate students. The suitable applicant will join a group of faculty whose research involves cellular, genetic, and biochemical approaches to studying problems in a number of model systems including *Drosophila*, worms, and *Arabidopsis*. Candidates should expect to participate in the teaching of undergraduates and graduate students. Please send a current curriculum vitae, a list of your references (with their FAX numbers and e-mail addresses) and a statement of research and teaching interests to:

**C. Robertson McClung, Chair**  
**Molecular and Cellular Biologist Search Committee**

**Department of Biological Sciences**  
**Dartmouth College**  
**6044 Gilman Hall**

**Hanover, NH 03755-3576**

Although materials may be submitted by FAX (603-646-1347), the original documents are ultimately required. Application review will begin on 15 October 1997. Additional information about the Department may be viewed on the World Wide Web: <http://www.dartmouth.edu/artsci/biology/index.html>

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

#### **FACULTY POSITION**

##### **Department of Biological Sciences**

The Department of Biological Sciences, Dartmouth College, invites applications for a **tenure-track Assistant or early-career Associate Professor** position in the **History and/or Philosophy of Twentieth-Century Life Sciences**. The position will begin July 1, 1998. We seek candidates whose scholarship will lead them to interact with biologists as well as with historians and/or philosophers. The successful candidate will be expected to develop a vigorous, externally funded research program and teach courses in the history and/or philosophy of life science to biology majors and non-majors. Ph.D. must be in hand prior to appointment. Please submit a curriculum vitae, statement of research and teaching interests and three letters of recommendation to:

**Mary Lou Guerinot, Chair**  
**History/Philosophy of Science Search**  
**Department of Biological Sciences**  
**Dartmouth College**  
**6044 Gilman Hall**

**Hanover, NH 03755-3576**

Application review will begin on 10 October 1997 and will continue until the position is filled. Although materials may be submitted by FAX (603-646-1347), the original documents are ultimately required. For information on Dartmouth's Department of Biological Sciences, see [www.dartmouth.edu/artsci/biology/index.html](http://www.dartmouth.edu/artsci/biology/index.html).

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

*Join a unique company taking leadership of significant Phase II and Phase III clinical trials. Shaman Pharmaceuticals is in a strong financial position and expects to market products within 2 years. At this critical juncture, we are seeking several individuals to play a key role in our product development activities.*

#### **SENIOR SCIENTIST PHARMACOKINETICS & METABOLISM**

Design and conduct pharmacokinetic and metabolism studies. Arrange for the analysis of plasma samples from clinical and toxicological studies. Report results and determine metabolite profiles. Requires a Ph.D. or Pharm.D. with specialization in pharmacokinetics and/or drug metabolism. Three to five years' experience in the pharmaceutical industry, including *in vivo* handling for metabolic studies, pharmacokinetic data interpretation for toxicokinetic studies, and participation in a project team are also required.

#### **SENIOR ASSOCIATE SCIENTIST**

Responsible for QC sample analyses using standard laboratory instrumentation and methods, analyzing data and preparing study reports. Requires a BS in a Science, Healthcare or related field with a minimum of 5-10 years' experience in the pharmaceutical QC laboratory. Thorough knowledge of cGMPs and GLPs essential. Ability to perform testing and method qualification and instrument analyses using HPLC and GC a must.

#### **REGULATORY ASSOCIATE**

Assist with project team functions by coordinating, writing and filing regulatory submissions to include INDs, NDAs, and foreign filings. Qualifications include a BA/BS or advanced degree in Chemical Sciences/Chemistry with a minimum of 2 years' experience in regulatory affairs in the pharmaceutical industry specializing in chemistry and manufacturing. A working knowledge of FDA and ICH regulations including GCP is required.

#### **CLINICAL RESEARCH ASSOCIATE**

Work on problems of a diverse scope where analysis of data requires evaluation of identifiable factors and exercises judgment in selecting methods and techniques for obtaining solutions. Requires Bachelor's degree, RN, BSN with minimum 2-5 years' experience. Knowledge of FDA regulatory requirements a must.

#### **DOCUMENT CONTROL SPECIALIST**

Provide support to ensure GMP/GLP documentation is accurate, current, controlled, and secure. Set up the filing system and maintain the log book. Requires a BS degree or equivalent with word processing and spreadsheet software experience. GMP and GLP training is desirable.

#### **CRA ASSISTANT**

Assist medical authors with protocol review/editing and track approvals, as well as prepare draft CRFs from previous studies. Resolve data queries and CRF data processing-related questions for ongoing studies; track ongoing study status and follow-up with study sites; assist clinical staff in creating and maintaining clinical files; and supervise temps or contractors on the above tasks. Position requires a Bachelor's degree in Science or related field and 2-4 years' work experience in a healthcare or related field, as well as strong knowledge of MS Word and Excel.

#### **PROJECT COORDINATOR**

Responsible for the following: arranging meetings; maintaining files; drafting meeting minutes, creating/maintaining tracking tools; assisting in the development of project proposals, plans and budgets; and drafting project status updates for senior management. Must have 1-2 years' experience as a Project Assistant or 3-5 years' experience in a healthcare or related industry. Requires an undergraduate technical degree and good interpersonal, planning, organizational, and written/verbal communication skills. Proficiency in MS Project is preferred. Supervisory experience a plus.

We offer competitive salaries, excellent benefits, and stock options. Please respond to SHAMAN Pharmaceuticals, Inc., Human Resources, Attn.: Job Code SCI1003, 213 E. Grand Ave., So. San Francisco, CA 94080-4812. Email: [jobs@shaman.com](mailto:jobs@shaman.com) or Fax: (650) 873-1463. EOE.



## POSITIONS OPEN

### EASTERN MICHIGAN UNIVERSITY DEPARTMENT OF BIOLOGY

Two tenure-track **ASSISTANT PROFESSORSHIPS** available fall 1998. Department has 22 faculty with graduate program concentrations in ecology and organismal biology, molecular and cellular biology, physiology, and general biology. Successful applicants will be expected to develop research program capable of attracting external funding, as well as participate in graduate programs and an emerging new undergraduate curriculum. Successful applicants will have opportunities to teach advanced courses in their specialties. Positions require Ph.D., teaching experience, and productive research. Neurobiologist (position # F9805) capable of teaching neuroanatomy and human gross anatomy, primarily for occupational therapy students. Vertebrate Physiologist (position # F9804) capable of teaching introductory courses in human anatomy and physiology. Submit letter of interest, curriculum vitae, statement of teaching interests and philosophy, description of research, transcripts, and three letters of reference by November 7 to: **Search Chair, Position #** (see above), 318 King Hall, Eastern Michigan University, Ypsilanti, MI 48197. E-mail: frank.gacioch@emich.edu. We encourage women and members of minority groups to apply. EMU is an Equal Opportunity Employer.

### ASSISTANT PROFESSOR OF ANATOMY INDIANA UNIVERSITY SCHOOL OF MEDICINE

The Evansville Center for Medical Education invites applications for a tenure-track position from candidates with a Ph.D. or M.D. degree and at least three years of postdoctoral experience. The successful candidate must be qualified to teach the medical Gross Anatomy course, and will be expected to establish an independent, extramurally funded research program. Preference will be given to individuals with research interests in the neurosciences. The position offers an attractive start-up package, including technical support, and laboratory space in our new teaching and research facility. Please send a statement of research interests, a curriculum vitae, and the names of three references to: **Dr. James J. Brokaw, Search Committee Chairman, Indiana University School of Medicine, 8600 University Boulevard, Evansville, IN 47712.** Review of applications will begin on February 1, 1998, and the position is expected to be filled by July 1, 1998.

Indiana University is an Equal Opportunity/Affirmative Action Employer.

### UNIVERSITY OF MICHIGAN SCHOOL OF DENTISTRY Department of Cariology, Restorative Sciences, and Endodontics

A full-time, tenure-track position at the **ASSISTANT/ASSOCIATE PROFESSOR** level is available in the Department of Cariology, Restorative Sciences, and Endodontics. Qualified applicants must have a Ph.D., and/or D.D.S./D.M.D. (or its equivalent). An active research program in the area of development or regeneration of dental tissues is desirable. Appointment will involve teaching in the predoctoral and graduate programs. Please submit a letter of interest, a curriculum vitae, and the names and addresses of three (3) references to: **Dr. Ian Mackenzie, Chair of the Search Committee in the Department of Cariology, Restorative Sciences, and Endodontics, The University of Michigan, School of Dentistry, Ann Arbor, MI 48109-1078.** The University of Michigan is an Equal Opportunity, Affirmative Action Employer and encourages women and minorities to apply.

### PHYSIOLOGIST-TOXICOLOGIST TEXAS A&M UNIVERSITY-COMMERCE

Tenure-track **ASSISTANT PROFESSOR**. Ph.D. required in biological or environmental sciences. Beginning September 1998. Qualified to teach human anatomy and physiology, animal physiology, and environmental toxicology. Strong commitment to teaching, research, and involvement in the development of an environmental science program. Individuals with teaching experience, research record, and potential to attract external funds are preferred. Send an application letter, résumé, official transcripts, names and addresses of three references, research agenda, and teaching philosophy to: **Dr. T. S. Ghaly, Chair of Search Committee, Department of Biological and Earth Sciences, Texas A&M University-Commerce, Commerce, TX 75429-3011.** Deadline November 14, 1997. Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### POSITION DESCRIPTION

The Physiology Department at Emory University is soliciting applications for the position of **ASSOCIATE or FULL PROFESSOR**, beginning in the summer of 1998. We are seeking an established Neurophysiologist focused on motor function and dysfunction (e.g., spinal injury, motoneuron disease) in the spinal cord. Applications including curriculum vitae, a brief statement of research interests, and three letters of reference should be mailed to: **Dr. Robert B. Gunn, Chairman, Department of Physiology, Emory University School of Medicine, Atlanta, GA 30322.** New applications will be considered through December, 1997, or until position is filled.

Emory University is an Equal Opportunity/Affirmative Action Employer.

**CELLULAR ENDOCRINOLOGIST.** University of Arizona, The Department of Physiology is seeking a tenure-track **ASSISTANT PROFESSOR** with research expertise in endocrinology, using molecular biology techniques. Preference will be given to candidates whose research interests will complement the existing departmental strengths in female reproduction and metabolism. Two years of postdoctoral experience is required and candidates must document their potential to develop an independent research program. Teaching responsibilities will include formal lectures on cellular and systems endocrinology, and participation in a University-wide Ph.D. Program in the Physiological Sciences. Please reference Job #997068. Submit curriculum vitae, a statement of research and teaching interests, and the names of three references willing to supply letters of support to: **Dr. Patricia B. Hoyer, Cellular Endocrinologist Search Committee, Department of Physiology, University of Arizona, Tucson, AZ 85724-5051.** Review of applications will begin December 15, 1997; however they will be accepted until the position is filled. Human Resources website: <http://w3.arizona.edu/~ahschr/jobs.htm>. The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer, Minorities/Women/Disabled/Veterans.

### DUKE UNIVERSITY

**PLANT ECOLOGIST.** The Department of Botany seeks an **ASSISTANT PROFESSOR** (tenure-track) in physiological plant ecology. The successful candidate will be expected to develop a strong independent research program, as well as establish interdisciplinary connections to existing strengths within the university (e.g., plant molecular biology, population and community ecology, evolutionary and systematic biology, and global-change biology), and excel in undergraduate and graduate teaching. For information about the department website: <http://www.botany.duke.edu>. Please send letter of application with details on present and future research and teaching goals, curriculum vitae, and reprints, and arrange to have three letters of reference forwarded directly to: **Dr. William H. Schlesinger, Chair of the Search Committee, Department of Botany, Duke University, Box 90338, Durham, NC 27708-0338.** Applications received by November 1, 1997, will be guaranteed consideration. Duke University is an Affirmative Action/Equal Opportunity Employer.

### DEPARTMENT HEAD FISHERY AND WILDLIFE BIOLOGY COLORADO STATE UNIVERSITY

Seeking accomplished individual to provide leadership for a department of 20 faculty with diverse interests in biology and conservation of fish and wildlife. Qualifications include earned Ph.D.; academic experience in teaching, research, and service in the field; and leadership in mentoring faculty and working with external natural resource agencies and publics. Submit by 7 November 1997 for full consideration. The position will begin July 1, 1998. Request full announcement from: **Dr. R. Dennis Child, FWB Search Committee Chair, College of Natural Resources, 101 Natural Resources Building, Colorado State University, Ft. Collins, CO 80523-1401.** Telephone: 970-491-6677; FAX: 970-491-2339; e-mail: [dennise@pica.cnr.colostate.edu](mailto:dennise@pica.cnr.colostate.edu); website: <http://www.cnr.colostate.edu/FWB/depthead.html>. Colorado State is an Equal Employment Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### ASSISTANT PROFESSOR DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY University of Connecticut

The Department of Ecology and Evolutionary Biology at the University of Connecticut anticipates an opening for an Assistant Professor in evolutionary biology in fall 1998. We invite applications from candidates who have established an innovative research program using empirical approaches for the study of evolutionary processes and will have a Ph.D. (or equivalent) in biological sciences or a related field. Areas of particular interest include genetics of character evolution, experimental population genetics, genetics of adaptation, and evolution of development. The appointee will be expected to teach at the undergraduate and graduate level and to develop a vigorous, externally funded research program. Applications should include a curriculum vitae, reprints of published papers, and at least three letters of recommendation. They should be sent to: **Kent E. Holsinger, Chair, Evolutionary Biology, U-43, University of Connecticut, Storrs, CT 06269-3043.** Applications completed by 24 October 1997 will receive full consideration. The University of Connecticut encourages applications from underrepresented groups including minorities, women, and people with disabilities. (Search #98A99)

The Department of Anatomy, Cell and Neurobiology at Marshall University School of Medicine invites applications for a tenure-track **ASSISTANT PROFESSOR** position starting 1 July 1998. The successful candidate will have a Ph.D. and/or M.D. degree, substantial postdoctoral experience, publications in quality journals, qualifications for superior teaching of cell biology and histology to medical and graduate students, and must develop and/or maintain an imaginative, externally funded research program. Individuals with expertise in cell signaling and transduction pathways, confocal microscopy, molecular biology, and grant support are particularly invited to apply. Submit a letter addressing research credentials and plans, teaching experience, a curriculum vitae, recent publications, and at least three reference letters to: **Dr. W. B. Rhoten, Department of Anatomy, Cell and Neurobiology, Marshall University School of Medicine, 1542 Spring Valley Drive, Huntington, WV 25704-9388.** Screening of applications will begin 1 December. Marshall University is an Equal Opportunity/Affirmative Action/Americans with Disabilities Act Employer and especially encourages applications from women and minorities.

The Department of Pathology at Baylor College of Medicine is seeking candidates at the **ASSISTANT or ASSOCIATE PROFESSOR** level. The position is in anatomic pathology at Baylor-affiliated hospitals and requires strong skills in surgical pathology and cytopathology. Preference will be given to applicants in the area of hematopathology and/or with strong evidence of academic accomplishment including independent, third-party funding. Board-certification in anatomic pathology and the ability to obtain licensure in Texas are requirements. Please send a curriculum vitae by December 5, 1997, including publications, research support, and the names of three references to:

**Michael W. Lieberman, M.D., Ph.D.,  
Chairman, Department of Pathology  
Baylor College of Medicine  
One Baylor Plaza  
Houston, TX 77030  
Telephone: 713-798-6501  
FAX: 713-798-6001**

Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.

### RESEARCH ASSISTANT PROFESSOR

A non-tenure-track Research Assistant Professor position is available to study the molecular mechanisms underlying protein kinase C (PKC) isotype signal transduction pathways. The candidate must have a recent Ph.D. (within the past four years), at least two years of postdoctoral experience, and excellent written and oral communication skills. Research expertise in molecular biology, PKC signaling, and lipid biochemistry are essential. Applicants should send a curriculum vitae and names of three references to: **Alan P. Fields, Ph.D., Sealy Center for Oncology and Hematology, University of Texas Medical Branch, 301 University Boulevard, Galveston, TX 77555-1048.** FAX: 409-747-1938; e-mail: [afields@marlin.utmb.edu](mailto:afields@marlin.utmb.edu). Equal Opportunity/Affirmative Action Employer, Minorities/Females/Disabled/Veterans. UTMB hires only employees authorized to work in the United States.



## Scientist, Toxicology

### SOUTHERN CALIFORNIA

Allergan, a technology driven leader in pharmaceutical products, has an excellent opportunity for a toxicologist to join a major drug discovery project in the area of receptor- and function-selective retinoids.

You will develop and implement models for potential toxicity of new classes of retinoid, direct and train staff under your supervision, present ideas/data summaries in house, and publish in scientific literature.

Requires a Ph.D., 2 years postdoctoral pharmacology/toxicology experience and solid knowledge of toxicology. Must have the ability to critically analyze scientific data, evaluate current literature, and provide leadership in study direction and design. Industry experience desirable but not essential.

We offer good salaries and a flexible benefits package that includes an investment plan (401(k)) and much more. Please send your resume to: **Allergan, Human Resources Dept., Attn: JS/RETS/SCI, 2525 Dupont Dr., T2-1B, Irvine, CA 92612. Fax (714) 246-4220. Equal Opportunity Employer.**



[www.allergan.com](http://www.allergan.com)

#### Anticipated

#### ASSISTANT/ ASSOCIATE/ PROFESSOR

(Inhalation Toxicologist)  
Veterinary Physiology,  
Pharmacology, and Toxicology

Louisiana State University invites applicants for a tenure-track position to lead the development of grant and contract based research that utilizes a newly constructed inhalation exposure facility. Rank is open. The successful candidate will also teach in the professional curriculum, acquire and maintain membership on the Graduate Faculty and participate in graduate level education. Requirements for the position include the D.V.M. or equivalent degree and/or the Ph.D. degree in a biological or physical science, and two years experience employing inhalation exposure of chemical agents and the assessment of their toxico-pathologic or pharmacologic effects. Candidates with three years experience in the application of molecular biological techniques to research in toxicology, pharmacology, or a related science, and/or one year of experience in the operation of an inhalation exposure facility may receive preferential consideration. Send résumé and three letters of reference to: **Dr. Charles Short, Department of Veterinary Physiology, Pharmacology, and Toxicology, School of Veterinary Medicine, Louisiana State University, Ref. #006066, Baton Rouge, LA 70803** by November 1, 1997, or until candidate is selected. **LSU IS AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER**

## COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

### University of California, Davis

Inquiries are invited from qualified applicants for faculty positions currently available.

Positions are 9-month tenure-track appointments unless otherwise indicated.\* Eleven-month term employment will be offered and continued based upon academic personnel review.

**Assistant Professor of Cross-Cultural Cognitive Development.** Teach and conduct research on cultural and other environmental (nutritional, toxicological) determinants of variations in human cognitive development. Appointment expected on or before July 1, 1998. Apply to: **Beth Ober, Department of Human and Community Development, e-mail: baober@ucdavis.edu.** Position is open until filled: to ensure consideration, applications should be received by November 30, 1997.

**Associate/Full Professor of Industrial Fermentations Microbiology (Anheuser Busch Endowed Professorship)** Teach and conduct research on malting and brewing processes. Position will be available July 1, 1998. For information, contact: **Charles Shoemaker, Dept. Chair, Dept. of Food Science & Technology, e-mail: cfshoemaker@ucdavis.edu.**

**Professor of Environmental Biology/Chair of Division of Environmental Studies.** Teach and conduct research in environmental biology and serve as department chair. Position will be available July 1, 1998. For information, contact: **Susan Harrison, Search Committee Chair, Div. of Environmental Studies, e-mail: spharrison@ucdavis.edu.**

**Assistant Professor of Restoration Ecology.** Teach courses within the Environmental Horticulture and Urban Forestry major and conduct research on issues related to development of practical methods of achieving sustainable habitats and landscapes and in rescuing endangered California vegetation and species. Apply to: **Dr. Michael Barbour, Department of Environmental Horticulture, e-mail: mgbarbour@ucdavis.edu.** Position is open until filled: to ensure consideration, applications should be received by January 31, 1998.

**Associate/Full Professor of Insect Systematics (Evert & Marion Schlinger Endowed Chair).** Teach and conduct research in the area of systematics of insects. For information, contact: **Mike Parrella, Dept. Chair, Dept. of Entomology, e-mail: mpparrella@ucdavis.edu.**

**\*Director and Associate/Full Professor of the UC Davis Center for Vector-Borne Disease Research.** (11-month tenure track position). The objective of the Center is to foster collaboration among approximately 20 faculty in different institutional units on the Davis Campus in order to advance the detailed understanding of vector-borne pathogens and to use that knowledge to prevent disease. Teach and conduct research focused on vector-borne diseases. Position will be available July 1, 1998. Apply to: **Jean A. Kevern, Personnel Officer, School of Vet. Med, e-mail: jakevern@ucdavis.edu.**

Professorial positions have responsibilities for teaching, advising, and research (in the Agricultural Experiment Station) and require teaching and research experience. Candidates must have a Ph.D. in an appropriate field. Applicants should submit résumé, transcripts (if within five years of graduation), statement of research and teaching experience, list and reprints of publications, and the names and addresses of at least three persons familiar with the applicant's qualifications, to **individual and department as noted for position (department name), University of California, Davis, CA 95616.** Please indicate the position(s) in which you are interested.

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



## POSITIONS OPEN

### PLANT EVOLUTIONARY ECOLOGY ASSISTANT PROFESSOR BARNARD COLLEGE

The Department of Biological Sciences at Barnard College, Columbia University is seeking a full-time Assistant Professor (starting September 1, 1998) to participate in undergraduate teaching and conduct an active, botanically focused research program. Teaching responsibilities may include courses in plant biology, biodiversity, ecology, and evolution. Candidates should be broadly trained in biology and able to teach introductory general biology courses as well as advanced courses in area of specialty. Ph.D. required; postdoctoral and prior teaching experience desirable.

Submit curriculum vitae with list of publications, statement of research and teaching experience and plans, three representative publications, and three letters of recommendation to: Search Committee, Department of Biological Sciences, Barnard College, 3009 Broadway, New York, NY 10027. Telephone: 212-854-2437. The department will begin reviewing applications December 1, 1997. An Equal Opportunity/Affirmative Action Employer. Women and members of minority groups are encouraged to apply.

### FACULTY POSITION DEPARTMENT OF BIOCHEMISTRY, MOLECULAR BIOLOGY, AND CELL BIOLOGY Northwestern University

The Department of Biochemistry, Molecular Biology, and Cell Biology seeks an outstanding candidate for a full-time faculty appointment at the JUNIOR or SENIOR LEVEL. Scientists in any area of biochemistry and biophysics, cell and molecular biology, and developmental biology and genetics are welcome to apply. Candidates should submit a curriculum vitae, a list of publications, statements of research accomplishments and future research objectives, and letters of reference from three persons knowledgeable of the candidate's research and teaching abilities to: Chairman, Faculty Search Committee, Department of Biochemistry, Molecular Biology, and Cell Biology, 2153 North Campus Drive, Evanston, IL 60208-3500. Applications will be reviewed as they are received, but to ensure full consideration complete applications should be received no later than December 31, 1997.

Women and minority scientists are especially encouraged to apply. Northwestern University is an Affirmative Action/Equal Opportunity Employer.

### ASSISTANT PROFESSOR NEUROGENETICS DEPARTMENT OF NEUROBIOLOGY

The Department of Neurobiology at the University of Alabama at Birmingham (UAB), School of Medicine invites applications for a tenure-track position at the Assistant Professor level. The Department is seeking an outstanding individual who uses contemporary molecular genetic approaches to evaluate the development and/or function of the nervous system. Candidates utilizing experimental systems such as *D. melanogaster*, *C. elegans*, or *D. rerio* are encouraged to apply. Attractive facilities and start-up package are available. The Department currently has a strong base of molecular and cellular neurobiologists studying problems of receptor and ion channel function and signal transduction. Send curriculum vitae and statement of research plans and have three letters of recommendation sent to: Michael J. Friedlander, Ph.D., Professor and Chair, Department of Neurobiology, 1719 6th Avenue South, CIRC 516, University of Alabama at Birmingham, Birmingham, AL 35294-0021 by October 31, 1997. UAB is an Affirmative Action/Equal Opportunity Employer.

**PLANT ECOLOGIST.** Drury College is seeking applications for a Plant Ecologist at the INSTRUCTOR or ASSISTANT PROFESSOR rank. Candidates must have a strong commitment to high quality undergraduate teaching. Responsibilities include introductory and advanced botany courses, environmental biology, and participation in the interdisciplinary general education science curriculum. Applications should be sent by October 20, 1997, and should include: curriculum vitae, a statement of teaching philosophy, and the names of three references. Please send to: Dr. Barbara Wing, Chair, Department of Biology, Drury College, 900 North Benton Avenue, Springfield, MO 65802. E-mail: bwing@lib.drury.edu; Telephone: 417-873-7237; FAX: 417-873-7432. Women and minorities are encouraged to apply.

## POSITIONS OPEN



### BARBARA DAVIS CENTER UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER

#### ASSISTANT PROFESSORSHIP IN DEVELOPMENTAL BIOLOGY

A faculty position is available at the Barbara Davis Center to develop a research program investigating the molecular and cellular basis of islet cell growth and differentiation and the gene therapy approaches to the treatment of type 1 diabetes. The appointee will be affiliated to the Departments of Pediatrics and Cell and Structural Biology and participate in their teaching programs.

Candidates should have a Ph.D. or M.D., relevant postdoctoral experience, and a strong commitment to the development of a career in basic research. Applications to: Professor J. C. Hutton, Research Director, Barbara Davis Center, 4200 East 9th Avenue, Box B-140, Denver, CO 80262 USA should include a curriculum vitae, statement of research plans and names of three referees. University of Colorado Health Sciences Center is committed to Equal Opportunity and Affirmative Action. Further information at website: <http://www.uchsc.edu/misc/diabetes/bdc.html>.

#### ASSISTANT/ASSOCIATE PROFESSOR OF ANIMAL BIOLOGY UNIVERSITY OF PENNSYLVANIA

The Department of Animal Biology, School of Veterinary Medicine at the University of Pennsylvania has a tenure-track opening for an Assistant or Associate Professor to join the newly established Center for Animal Transgenics and Germ Cell Research. Individuals investigating fundamental mechanisms of germ cell biology and animal transgenesis are encouraged to apply. Applicants should have a Ph.D. or equivalent degree, a minimum of two years of postdoctoral training, be prepared to establish an independent, extramurally funded research program, and participate in the activities of the Center as well as departmental teaching and University-wide graduate programs. Send by November 30, 1997, a curriculum vitae, the names and addresses of three references, and a statement of research program to: Dr. Steven J. Fluharty, Chair, Search Committee, Department of Animal Biology, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104-6046. An Equal Opportunity/Affirmative Action Employer.

#### ASSISTANT PROFESSOR DEPARTMENT OF PSYCHOLOGY University of Connecticut

Tenure-track Assistant Professor position in behavioral neuroscience. Candidate should have at least two years of postdoctoral experience, with a research program that studies functions of the mammalian cortex and/or forebrain. The specific area could include learning, plasticity, integrative properties of cortical networks such as oscillatory activity, or sensorimotor integration. Send curriculum vitae, three letters of reference, three reprints, and statement of research interests before January 15 to: John Salamone, Psychology Department, University of Connecticut, Storrs, CT 06269-1020. See also website: [http://Garvin.psy.uconn.edu/behav\\_neuro.html](http://Garvin.psy.uconn.edu/behav_neuro.html). The University of Connecticut encourages applications from underrepresented groups, including minorities, women, and people with disabilities.

**BIOMEDICAL PHYSICIST.** The Department of Physics at Oakland University invites applications for a tenure-track ASSISTANT PROFESSOR position. A Ph.D. in physics, an ability for effective teaching, and excellence in research are required. Postdoctoral faculty, or industrial experience with a record of external funding is desirable. While we prefer a Theoretical/Computational Physicist in biomedical physics, we encourage both theorists and experimentalists to apply. We offer a Ph.D. program in medical physics, with strong research emphases in NMR imaging and spectroscopy, cell and molecular biology of neural injury, biomagnetism, and biomechanics. Applicants should submit curriculum vitae, publication list, description of research interests, and arrange for three letters of recommendation to be sent to: Professor Uma Venkateswaran, Physics Department, Oakland University, Rochester, MI 48309 before November 10, 1997. Oakland University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

## POSITIONS OPEN

### LABORATORY HEAD COLON CANCER BIOLOGY

Position No. 6/97

Ludwig Institute for Cancer Research  
Melbourne Branch

A senior position is available at the Melbourne Branch of the Ludwig Institute for Cancer Research for a scientist to lead a colon cancer biology research program (website: <http://www.ludwig.edu.au>). The successful applicant will have the opportunity to conduct a long-term, top-quality research program with considerable personnel, laboratory, and maintenance support. There are many opportunities for collaboration with ongoing basic and clinical research programs both in Melbourne and at other Branches of the Institute.

The successful applicant will have a strong track record in cell biology and/or cancer genetics, and the ability to provide leadership within the Institute. Applicants are not expected to have experience in colon cancer biology, but they must be willing to commit to this field of research. The initial appointment will be for five years and is renewable. The level of appointment, depending on the applicant's ability and experience, will be in the range SENIOR RESEARCH FELLOW to PROFESSORIAL FELLOW (\$Aust51,692 per annum to \$Aust80,176 per annum).

Further information about the Melbourne Branch, Ludwig Institute for Cancer Research, and this position is available from the Branch Director, Professor Tony Burgess, FAX: +61-3-9347-1938. Expressions of interest, including a curriculum vitae, should be sent to the Branch Director by FAX, e-mail: [burgess@ludwig.edu.au](mailto:burgess@ludwig.edu.au), or to: Post Office Royal Melbourne Hospital 3050, Australia by 3rd November, 1997. All correspondence concerning this position will be treated in strict confidence.

**HEALTH SCIENTIST ADMINISTRATOR.** The National Institute on Aging, National Institutes of Health, is seeking a Health Scientist Administrator (GS-601-13/14, \$54,629 to \$83,922) to develop and administer an extramural research program in demography or economics of aging, and to manage the operation of the Interagency Forum on Aging-Related Statistics. Research experience in economics of aging, demography of aging, or related scientific area (i.e., biodemography, retirement or health economics, formal demography) is required. Non-permanent, short-term appointments will also be considered. U.S. Citizenship is required. For vacancy announcement, Telephone: 1-800-728-5627, ID#1210. Send applications to: Ms. Christine Hartz, National Institute on Aging Personnel Office, Building 31, Room 2C02, 31 Center Drive MSC 2292, Bethesda, MD 20892-2292. Telephone: 301-496-5460. Receipt of application deadline: November 1. NIH is an Equal Opportunity Employer.

#### SUPERVISORY MEDICAL OFFICER

The U.S. Department of Agriculture, Food Safety and Inspection Service, Office of Public Health and Science, Epidemiology and Risk Assessment Division, has a Supervisory Medical Officer position to be filled at the GS-15 level. The incumbent must possess a Doctor of Medicine or a Doctor of Osteopathy degree and have at least one year of approved internship or residency. The incumbent must be Board-certified in a specialty area, and have expertise in medical epidemiology and/or specialty training in a related Public Health field such as a Master's in public health or equivalent degree. Applicants must be a U.S. Citizen. Applicants must Telephone: 202-720-8601 to request a copy of vacancy announcement number FSIS 98-01 for the eligibility requirements, summary of duties, and procedures on how to apply for this position. Complete applications must be postmarked no later than November 12, 1997. USDA is an Equal Opportunity Employer.

#### TENURE-TRACK ASSISTANT PROFESSOR

Teaching responsibilities include bacteriology, immunology, an introductory course, and other courses in the person's specialty. Other service includes advising and serving on faculty committees. Active involvement of undergraduates in ongoing research is encouraged. Ph.D. in an appropriate area of biology and a commitment to undergraduate teaching and research in a liberal arts setting are required. Send letter of application, résumé, and names, addresses, and telephone numbers of three references to: Dr. Maureen Franklin, Interim Academic Dean, Doane College, Crete, NE 68333. Review of applications will begin October 31. Doane College is an Equal Opportunity/Affirmative Action Employer.

**DIRECTOR**  
**LIFE SCIENCES RESEARCH OFFICE (LSRO)**  
**AMERICAN SOCIETY FOR**  
**NUTRITIONAL SCIENCES (ASNS)**

ASNS, a constituent society of the Federation of American Societies for Experimental Biology, seeks an individual responsible for administrative and scientific oversight and coordination for all activities of LSRO. The LSRO is nationally and internationally recognized for preparation of assessments of research data and reports principally in the areas of public health, human nutrition, and food safety. The Director maintains scientific liaison with public agencies and private sector sponsors interested in research programs in biomedical and life sciences. Activities include solicitation of support and development of responses to proposal requests; selection of expert panels and staff support for panel deliberations; drafting of interim and final reports; and, publication of completed studies in scientific journals or as monographs. The successful candidate will possess a doctorate-level degree and have an outstanding record of science administration. Applications accepted until October 15, 1997, or until the position is filled.

Further information on this position can be viewed at: <http://www.faseb.org/hr/hrjobop.htm>. Applicants should submit a curriculum vitae with a covering letter summarizing relevant experience and salary expectations to:

**ASNS/LSRO Director Search Committee**  
**c/o FASEB Office of Human Resources**  
**9650 Rockville Pike**  
**Bethesda, MD 20814-3998**  
*ASNS is an Equal Opportunity Employer*

**POSTDOCTORAL**  
**FELLOWSHIPS**

DNAX Research Institute, located near Stanford University, carries out research in a variety of areas of molecular and cellular biology with an emphasis on immunology, hemopoiesis and oncology. We currently have postdoctoral openings in the following laboratories.

A postdoctoral position in the laboratory of Dr. Leslie McEvoy is immediately available to investigate the molecular mechanisms regulating monocyte and T lymphocyte recruitment in normal immune recirculation and inflammation. Candidates should have a strong background and a broad interest in vascular biology, inflammation and cell adhesion as well as substantial experience in basic cell biology and immunology techniques. Experience in flow cytometry, mammalian tissue culture, animal surgical techniques, protein purification and characterization as well as isolation and characterization of leukocytes or other cells is desired.

Dr. Richard Murray has an opening for a postdoctoral fellow to investigate the role of novel molecules in murine inflammatory disease models by using mouse genetics. A knowledge of conventional and conditional gene knockout techniques is helpful, and candidates should have direct experience in animal work.

Qualified applicants should send a curriculum vitae, statement of research interests, two recent reprints, and the names and phone numbers of three references to: Human Resources Department, DNAX Research Institute, 901 California Avenue, Palo Alto, CA 94304. DNAX is an equal opportunity employer, m/f/d/v.

**DNAX Research Institute**

**DIRECTOR**  
**LABORATORY ANIMAL SCIENCES**

**SAIC Frederick**, a division of Science Applications International Corporation and the world's largest employee-owned scientific, technical and engineering services company, is seeking a seasoned professional to join our team at the National Cancer Institute's Frederick Cancer Research & Development Center (NCI-FCRDC) located in scenic Frederick, Maryland. SAIC Frederick manages the Operations and Technical Support contract for the NCI-FCRDC and functions as a contemporary biotechnology organization dedicated to the development of knowledge and tools for the diagnosis, treatment and prevention of human cancer and AIDS.

We seek a seasoned professional to perform in a leadership role as Director, Laboratory Animal Sciences Program (LASP), to include laboratory animal medicine, animal health diagnostic laboratory, animal holding and technical support, and receiving and quarantine. Reporting to the Director of Research Support Programs, the candidate will be responsible for directing and coordinating laboratory animal care and use in 19 self-contained animal facilities of approximately 70,000 total square feet, with an average daily inventory of 85,000 animals. All facilities are AAALAC-accredited and support research at both the NCI-FCRDC and NIH Bethesda campuses involving 200+ investigators and in excess of 400 active approved animal study protocols. This position is responsible for an incumbent scientific, technical and administrative staff of 170 employees with a budget of \$9.6 million.

The successful candidate will ensure compliance with all federal, state and local animal welfare regulations; recommend and implement policies and procedures to ensure the health, welfare and proper management of research animals; and chair the NCI-FCRDC Institutional Animal Care and Use Committee. The incumbent will also serve on various committees and be responsible for planning the development and growth of animal facilities, preparing administrative reports for regulatory and accreditation agencies, developing and supervising education and training programs for research staff and animal care providers, and contributing advice and support for animal protocol development.

Candidate must possess a DVM or VMD degree from an AVMA-accredited or approved institution, be eligible for license to practice veterinary medicine in Maryland, and have Diplomate status in ACLAM with significant upper management expertise in directing and administering a laboratory research program. Alternatively, a PhD or DVM/PhD with extensive experience in animal studies and a strong academic track record would be desirable. Familiarity with advanced technologies currently in place such as transgenics, gene knockouts, embryo cryopreservation, histopathological expertise, etc., would be valuable. Must be able to interact effectively with all levels of scientific, technical and nontechnical personnel.

You will work in a campus-like environment in Frederick, MD, near Baltimore and Washington, DC. **SAIC Frederick** offers a salary commensurate with credentials and an attractive fringe benefits program, including insurances, 401(k) savings plan, stock purchase programs, relocation assistance and more.

For consideration, forward CV, references and salary requirements referencing Job Code-S-LASP, to: **SAIC Frederick**, NCI-FCRDC, The Executive Search Committee, c/o Barbara J. Norton-Gill, PO Box B, Frederick, MD 21702-1201; e-mail: [hr@mail.ncicrf.gov](mailto:hr@mail.ncicrf.gov). Applications must be received no later than October 31, 1997. EOE, M/F/D/V.

*"We value cultural diversity in the workplace."*

**SAIC**  
An Employee-Owned Company

**SAIC Frederick**  
A Division of Science Applications  
International Corporation

## POSITIONS OPEN



### U.S. DEPARTMENT OF AGRICULTURE (USDA)

#### AGRICULTURAL RESEARCH SERVICE (ARS)

ARS is seeking a **RESEARCH ENTOMOLOGIST**, GS-11/12, in the Systematic Entomology Laboratory, Plant Sciences Institute, Beltsville Agricultural Research Center, in Beltsville, Maryland. Salary is commensurate with experience (GS-11: \$38,330 to \$49,831 per annum; GS-12: \$45,939 to \$59,725 per annum) plus benefits. The position involves planning and conducting independent and cooperative research primarily on the molecular biology and molecular systematics of a wide array of insects of importance to U.S. agriculture. Ph.D. in entomology or related discipline with emphasis on systematics and molecular biology is desirable. Applicants must possess knowledge of systematic zoology, evolutionary theory, rules of nomenclature and insect morphology; skill in using molecular techniques (including gene cloning, DNA sequencing, etc.) in research involving insect and systematics; and ability to design, plan, and conduct research on the molecular systematics of insects (particularly agriculturally important insects) and publish results. *Must be U.S. citizen.* For information on the research program, contact: **Dr. Manya B. Stoetzel**, Telephone: 301-504-5183; FAX: 301-504-6482; e-mail: [mstoetzel@sel.barc.usda.gov](mailto:mstoetzel@sel.barc.usda.gov). To apply, you must Telephone: 301-344-4638 to request a copy of vacancy announcement in order to properly file complete application. Applications must be postmarked by October 20, 1997.

ARS is an Equal Opportunity Employer.

### CALIFORNIA LUTHERAN UNIVERSITY FLETCHER JONES ENDOWED CHAIR IN BIOLOGY

California Lutheran University invites applications for the newly established Fletcher Jones Chair in Biology endowed by the Fletcher Jones Foundation and to begin in the fall of 1998. The University seeks applicants in the field of developmental biology with strengths in genetics, biochemistry, molecular biology, or cell biology. The appointment will be made at the **ASSOCIATE** or **FULL PROFESSOR** level. Demonstrated excellence in undergraduate teaching and in research is required. Responsibilities include teaching one course with laboratory each semester, directing the Senior Research program, and sustaining a personal program of research involving undergraduates. Send letter of application, curriculum vitae, and names of references to: **Dr. Pamela Jolicœur, Provost**, California Lutheran University, 60 West Olsen Road, Thousand Oaks, CA 91360. Review of applicants will begin on December 1 and continue until the position is filled. *Equal Opportunity Employer.*

### PROTEIN CRYSTALLOGRAPHY FACILITY MANAGER

The structural biology program at the Mount Sinai School of Medicine seeks a Biophysicist to work with a team of investigators and their scientific staff. The successful candidate will oversee both the X-ray facility and other biophysical instrumentation including an analytical ultracentrifuge, microcalorimeter etc. The X-ray equipment includes two Rigaku rotating anode X-ray generators, several imaging plate area detectors, and crystal freezing devices. Experience with specific instrumentation, as well as computer hardware and software is preferred. Please send résumé and at least two letters of reference to: **Dr. Anel Aggarwal**, Department of Physiology and Biophysics, Box 1677, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. *We are an Equal Opportunity Employer fostering diversity in the workplace.*

### SENIOR SCIENTIST SABBATICAL POSITION

The Natural Resources Defense Council, a national nonprofit public interest organization, is offering a six- to twelve-month sabbatical position, starting no later than June 1998. Applicants should be a physician or experienced Ph.D. in public health or environmental science, with an interest in environmental health policy. This senior scientist will work in our Washington, D.C. office, on a cutting-edge issue pertaining to the assessment of human exposure to toxic chemicals. The precise work focus is subject to further discussion. Telephone: 202-289-2387 for more information. *Equal Opportunity Organization.*

## POSITIONS OPEN

### AQUATIC ECOLOGIST

The National Center for Environmental Assessment-Cincinnati (NCEA-Cin) of the U.S. Environmental Protection Agency is seeking candidates for an Aquatic Ecologist position, GS-12/13 (\$45,785 to \$70,778 per year, based on qualifications) located in Cincinnati, Ohio. The incumbent will help design and conduct research in ecological risk assessment with an emphasis on aquatic systems/watersheds; provide expertise on the use and interpretation of ecological data for risk assessment; develop approaches for balancing ecosystem and human risks and benefits; and communicate findings to resource managers and the public. Research is to be done both in-house and through contracts and grants; the incumbent will work as part of a self-managed, interdisciplinary team.

The applicant must have a Ph.D. or equivalent experience, with major study in a field related to the ecological sciences appropriate to the work of the position, and one year of specialized experience in an ecological research position. *U.S. citizenship is required.*

### INFECTIOUS DISEASES SPECIALIST

The National Center for Environmental Assessment-Cincinnati (NCEA-Cin) of the U.S. Environmental Protection Agency is seeking candidates for an Infectious Disease Specialist position, GS-12/13 (\$45,785 to \$70,778 per year based on qualifications) located in Cincinnati, Ohio.

The applicant must have a Ph.D., M.D., D.V.M., D.D.S., O.D., or equivalent experience with major work experience in infectious diseases, microbiology, or public health appropriate to the work of the position, with one year of specialized experience in laboratory research, clinical, or public health service. The principal duties include serving as a scientific lead and interdisciplinary team member for research in the human and ecological health science fields of infectious diseases and public health. Applicant should have a strong background in clinical diseases, microbiology, virology, and/or parasitology and understand the biological parameters of biological and microbiological risk assessment to prepare evaluations of complex technical issues. The applicant shall also contribute to the development of methods for human and ecological risk assessments and provide technical assistance on the understanding and utilization of human health information. *U.S. citizenship is required.*

Please submit résumé, SF-171 or OF-612 (current and former federal employees must submit a copy of their last SF-50) by October 31, 1997, to: **Jessie Hopkins**, U.S. Environmental Protection Agency (Mail Code 3648), 401 M Street, S.W., Washington, DC 20460. Telephone: 202-260-2965.

EPA is an Equal Opportunity/Affirmative Action Employer.

**NEUROBIOLOGY RESEARCH-TRACK POSITIONS.** Two positions available for: (1) An Integrative and/or Cellular Neurophysiologist to study membrane properties, synaptic integration, and plasticity in mammalian olfactory bulb and piriform cortex. Demonstrated experience and publications in intracellular or patch clamp recording in slices, and/or infrared and/or voltage/Ca-sensitive dye imaging required. (2) A Neuroanatomist to study connections, neurochemistry, and morphology in olfactory bulb and piriform cortex circuits. Experience and publications in immunocytochemistry, *in situ* hybridization and/or tract tracing techniques required. Applicants for both positions should possess a Ph.D. and/or M.D. Excellent oral and written communication skills are required. Send curriculum vitae and names, addresses, and telephone numbers of three references to: **Dr. M. Ennis/M. Shipley**, Department of Anatomy and Neurobiology, University of Maryland School of Medicine, 685 West Baltimore Street, Baltimore, MD 21201. E-mail: [mennis@umabnet.ab.umd.edu](mailto:mennis@umabnet.ab.umd.edu). *The University of Maryland is an Affirmative Action/Equal Employment Opportunity/ADA Employer. Minorities and women are encouraged to apply.*

### MOLECULAR BIOLOGIST/GENETICIST PROSTATE CANCER RESEARCH

The Division of Urologic Surgery at Washington University School of Medicine seeks a highly qualified **MOLECULAR BIOLOGIST/GENETICIST** to join its multidisciplinary prostate cancer research team. This position requires a Ph.D.; postdoctoral experience desired. Salary and faculty appointment level will be competitive and dependent on experience. Please send curriculum vitae, statement of research interests, and three references to: **William J. Catalona, M.D., Professor and Chief**, Division of Urologic Surgery, Washington University School of Medicine, 4960 Children's Place, St. Louis, MO 63110.

## POSITIONS OPEN



The Smithsonian Tropical Research Institute (STRI) invites applications for two **RESEARCH SCIENTISTS**. STRI is particularly interested in a **ZOOLOGIST** investigating the ecology, evolution, behavior, or physiology of tropical terrestrial vertebrates; and in a **BIOLOGIST** interested in similar disciplines of tropical marine organisms. Based in the Republic of Panama, the STRI provides unique opportunities and support for field and laboratory research in the tropics. Beginning salaries will be in the \$36,000 to \$52,000 range; excellent benefits and research support plus other special allowances may apply. Applicants should send their curriculum vitae, a description of research interests, addresses and telephone/e-mail of three references, and copies of significant publications. Please submit materials to either: **Vertebrate Biologist or Marine Biologist Search Committee**, Smithsonian Tropical Research Institute, Unit 0948, APO AA 34002-0948, USA. Review of applications will begin in January 1998 and will continue until the positions are filled. The appointments will begin in the fall of 1998. *STRI is an Equal Opportunity Employer and these positions are open to scientists of any nationality.*

PPL Therapeutics, Inc., a leading producer of transgenic livestock for biomedical applications, seeks a U.S.-licensed **VETERINARIAN** for our growing transgenic livestock program. Duties include: administration of herd health program for bovine embryo transfer recipients, transgenic calves, bulls and cows; embryo transfer, experimental surgery, transvaginal oocyte recovery; porcine herd health and surgery; participation in PPL's Institutional Animal Care and Use Committee; liaising with clinical staff at Virginia-Maryland College of Veterinary Medicine; and assisting with the planning and design of our growing, state-of-the-art transgenic cattle facility and SPF swine unit. Experience in bovine embryo transfer, diagnostic ultrasound, bovine and porcine herd health are required; M.S. in reproductive physiology or theriogenology is highly desirable. This is an exciting position that combines the opportunity to practice top-quality medicine and cutting-edge reproductive technologies on extremely valuable livestock. PPL offers a competitive compensation package including health insurance and a matching 401(k) program. Our location in the heart of Virginia's Blue Ridge Mountains, adjacent to Virginia Tech University, offers a variety of educational, cultural, and recreational opportunities in a pleasant, four-season climate. To apply, send curriculum vitae with cover letter and three references to: **Ms. Karla Kitts**, Human Resources Manager, PPL Therapeutics, Inc., 1700 Kraft Drive Blacksburg, VA 24060. FAX: 540-231-5048; e-mail: [karlak@vt.edu](mailto:karlak@vt.edu).

### BIOLOGIST TENURE-TRACK

A tenure-track position in developmental and/or invertebrate biology is available beginning in August 1998. Faculty member will be expected to teach courses within their discipline as well as to participate in an introductory biology sequence. Candidates are expected to be broadly trained in biology, to have an appreciation for the liberal arts tradition in education, and to be able to develop a strong research program involving undergraduates. The University, with an undergraduate enrollment of 1,200, has a highly selective program and is located on a forested 10,000-acre campus on Tennessee's Cumberland Plateau. Screening of applicants will begin on November 15. Send statement of teaching and research interests, curriculum vitae, unofficial transcripts, and three letters of reference to: **Dr. Nancy J. Berner**, Search Committee, Department of Biology, The University of the South, Seawane, TN 37383. E-mail: [nberner@seawane.edu](mailto:nberner@seawane.edu). Further information available at our website: <http://biology.seawane.edu>. *The University of the South is a Title IX/Section 504/ADA/Equal Opportunity Employer.*

### RESEARCH ASSOCIATE

With solid experience in microbiology and animal studies. Needed for research in new antimicrobial therapeutics. **Allergy/Internal Medicine, University of Michigan Medical Center**, 1520 MSRB I, 1150 West Medical Center Drive, Ann Arbor, MI 48109-0666. FAX: 313-936-2990; e-mail: [cverweij@umich.edu](mailto:cverweij@umich.edu).

*A nondiscriminatory Affirmative Action Employer.*

## The Science of Agricultural Genetics

### RESEARCH ASSOCIATE (Job #AB-802) Analytical Biochemistry — Nucleic Acid Analysis

An individual is needed to provide analytical support for the evaluation of transgenic plants including, but not limited to, corn. Primary responsibilities will comprise the application of nucleic acid analysis techniques to identify and characterize transgenic plants. Analyses of both DNA (e.g., Southern, PCR) and RNA (e.g., RT-PCR, Northern) are involved. This person will interact with other team members to evaluate and implement state-of-the-art methodologies. Other duties include conducting experiments, troubleshooting assay procedures, and managing and analyzing data. An M.S. or B.S. degree with two years of laboratory experience in nucleic acid analysis, preferably involving transgenic plants, is essential. The successful candidate will have some experience in developing and utilizing diagnostic assays. Knowledge of quantitative PCR techniques will be useful. Strong interpersonal, organizational, and communication skills are imperative. Computer skills and the use of robotic systems to aid in high throughput sample analysis will also be advantageous.

Pioneer offers an opportunity to interact among hundreds of scientists with diverse backgrounds. We offer competitive salaries and excellent, comprehensive benefits. Des Moines is a prospering heartland city that ranks well above the national averages in affordability and education. Our location provides a mix of beautiful open spaces and city life advantages. For confidential consideration send 3 copies of cover letter and current resume, indicating job number, to: Pioneer Hi-Bred International, Inc., Attn: PERSONNEL (Job #AB-802), P.O. Box 1004, Johnston, IA 50131-1004. Applications received by October 17, 1997 will be assured of consideration; however, applications will be considered until the position is filled.

Pioneer Hi-Bred International, Inc., is the world leader in agricultural genetics. Founded in 1926, we are a publicly held company that invests more than \$115 million in research and product development. Pioneer® brand products are grown in almost every crop-producing continent in the world. At our headquarters in Des Moines, Iowa, we're adding to our Research team.



**PIONEER HI-BRED  
INTERNATIONAL, INC.**  
An Equal Opportunity  
Employer

## Biochemistry/Organic Chemistry

We invite applications for a tenure track faculty position at the Assistant Professor level to begin September 1, 1998. A recent (less than 5 years) Ph.D. in biochemistry or related field is required. Postdoctoral research and/or prior teaching experience is desirable. The applicant will be responsible for teaching undergraduate biochemistry lecture and laboratory and must possess a sufficiently strong background in organic chemistry to teach Organic Chemistry I and II lecture and laboratory and an advanced organic chemistry laboratory course involving advanced techniques, operations and analysis of  $^1\text{H}$  and  $^{13}\text{C}$  NMR, IR and GC-MS. The new faculty member may occasionally be asked to teach a section of a freshman chemistry laboratory. The successful candidate is expected to initiate an active research program and supervise undergraduate students in Independent Research.

Applicants should submit a complete curriculum vitae, graduate and undergraduate transcripts, a detailed statement of research plans, a statement of teaching philosophy and three letters of recommendation. All materials should be sent to Dr. John Sheats, Chairman, Chemistry Search Committee, Rider University, 2083 Lawrenceville Road, Lawrenceville, NJ 08648 and be postmarked no later than November 15, 1997.

For information about our department see our web site at <http://genius.rider.edu/~wwwchem/> Rider University is an equal opportunity/affirmative

action employer and does not discriminate on the basis of age, race, sex, disability, sexual orientation, national origin, religion or any other non-job related criteria.



*Cadus Pharmaceutical Corporation, a leader in the discovery of drugs which regulate G protein-mediated signaling pathways, is expanding its discovery programs based upon its unique proprietary yeast and mammalian cell based screening technologies and has openings for motivated scientists in the following areas:*

## DRUG DISCOVERY/ CELL BIOLOGY

**Code: S-DD BS/MS** scientists with a minimum of 2 years laboratory experience with strong background in molecular biology, mammalian cell culture, and receptor signal transduction research. Previous experience in molecular target-based drug discovery is also desirable. Qualified individuals will work within the drug discovery group exploring cellular signaling pathways and designing/implementing secondary assay systems to analyze potential therapeutics.

AND

**Code: S-DD2 BS/MS** scientists with a minimum of 2 years experience in mammalian cell biology to join our drug discovery group. Experience with mammalian cell culture signal transduction analyses, biochemistry, molecular biology, flow cytometry and microscopy is desirable. Qualified individuals will work on projects focusing on the regulation of cell activation and growth by G protein-coupled receptors.

## MAMMALIAN CELL BIOLOGY

**Code: S-M BS/MS** scientists with a minimum of 2 years experience or Ph.D. scientists with a minimum of 3 years postdoctoral research in mammalian cell biology and gene expression to join our assay development group. Expertise with mammalian cell culture, signal transduction analysis and strong molecular biology skills are essential. These individuals will be working with projects involving novel whole cell assay systems for G protein-coupled receptor signaling.

## MOLECULAR/YEAST BIOLOGY

**Code: S-MYB Ph.D.** scientists with a minimum of 3 years postdoctoral research experience in molecular biology for a project expressing mammalian signal transduction proteins in yeast. Background in cellular and molecular biology or biochemistry is required. Experience with yeast and protein analysis is preferred.

## NEW LEADS DISCOVERY

**Code: S-NL BS/MS** scientists with a minimum of 2 years experience in assay development or screening. Experience with yeast and/or mammalian cell culture techniques, cell-based screening assays and/or HTS robotics/automation is desirable. Responsibilities include pilot and implementation of novel cell-based screens for G protein-coupled receptor targets, performing selectivity assays and identifying lead compounds in support of internal drug discovery efforts.

*Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating collaborative environment. Send CV and List of References, indicating job code to: Cadus Pharmaceutical Corporation, 777 Old Saw Mill River Road, Tarrytown, NY 10591-6705; or email at: [hr@cadus.com](mailto:hr@cadus.com). Cadus is an Equal Opportunity Employer.*

# CADUS

PHARMACEUTICAL CORPORATION





## POSITIONS OPEN

**RESEARCH SCIENTIST—RESEARCH SOIL SCIENTIST (CHEMISTRY).** U.S. Department of Agriculture, ARS, Appalachian Soil and Water Conservation Research Laboratory, (Beckley location), Beaver, West Virginia. Permanent full-time scientist to conduct research projects in the areas of soil nutrient cycling; transformations of soil carbon, nitrogen, and other minerals; and root/soil interactions occurring in disturbed and hill-land soils. Specifically, this position will be to develop and apply concepts and methodology, and study chemical limitations to crop and agroforestry productivity associated with hill-land agriculture. The major focus will be to develop the understanding of the interactions among roots, soil organic matter, minerals, and microflora. Incumbent must have knowledge of rhizosphere ecology, soil and physical chemistry, soil mineralogy, surface and ion precipitation chemistry, metal-organic complexation chemistry; transformation of soil organic matter; modeling and differential calculus; and mathematical and computer methods to understand complex root and soil reactions. A Ph.D. is desirable. *U.S. citizenship is required.* Salary commensurate with experience, \$44,953 to \$69,492 per year (GS 12/13). For information on the research project, contact **Dr. William Clapham**, Research Leader, Telephone: 304-256-2858. For copy of application procedures and vacancy announcement, contact **Janie Carr**, Telephone: 301-344-4569. *ARS is an Equal Opportunity Employer, women and minorities are encouraged.*

**NEUROSCIENTIST: ENDOWED CHAIR.** Primary appointment in biology; secondary in psychology possible. Ideal candidate will be an experienced teacher-researcher in the earlier stages of his/her career with demonstrated success in undergraduate teaching and an ongoing program of research in psychobiology/biopsychology, neuropharmacology, or other relevant discipline pertaining to the neurosciences. Incumbent will: (1) develop and teach neuroscience courses in a discovery-based, bio-focused science program funded by a major grant from the Howard Hughes Medical Institute, (2) establish and support relationships between Centenary College and major research facilities at the nearby Louisiana State University Medical Center and the Biomedical Research Institute. Centenary is ranked among the 200 best U.S. institutions in math/science, and *U.S. News* ranks it no. 7 among the best colleges/universities in the South. Please submit curriculum vitae, publications, summary of research funding, statement of teaching philosophy, research agenda, and names of three to five references to: **Chair, Whited Chair Search Committee, Office of the Provost, Centenary College, Shreveport, LA 71134-1188.** Position open until filled; preliminary interviews at the Society for Neuroscience meetings in October. *Applications from women and minorities especially welcome.*

### SENIOR RESEARCH ADMINISTRATOR

The University of Pennsylvania School of Medicine Institutional Electron Microscopy Core is searching for a Co-Director. This Core has the broad support of the Diabetes Center, the Cancer Center, the Department of Pathology and Laboratory Medicine, and the School of Medicine. The Core is widely used throughout the medical community, as well as the University as a whole. The candidate should have a Ph.D. in cell and molecular biology and at least five years of experience with all aspects of electron microscopy. The individual should also possess administrative experience and computer skills. The position title will be Senior Research Administrator, and will be responsible for helping the Director develop reports for centers, grants, papers, etc. Salary will be consistent with experience. Respondents should send their curriculum vitae, bibliography, and three references to: **Leonard Jarrett, M.D., Chair, Department of Pathology and Laboratory Medicine, University of Pennsylvania, 6 Gates Building, 3400 Spruce Street, Philadelphia, PA 19104-4283.** *The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

**POSTDOCTORAL POSITIONS.** Available in Departments of Biochemistry, Cell Biology and Anatomy, Microbiology and Immunology, Molecular and Cellular Biology, Pathology, Pharmacology/Toxicology, and Physiology. A Ph.D., M.D., or equivalent degree required. Positions available during 1997 and 1998. Review of applications begins October 15, 1997, and will continue until filled. Send application to: (appropriate department head), The University of Arizona, Arizona Health Sciences Center, Tucson, AZ 85724. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer, Minorities/Women/Disabled/Veterans.*

## POSITIONS OPEN

**BIOMEDICAL AND HEALTH SCIENCES DEPARTMENT CHAIR.** Responsibilities include teaching introductory and/or advanced courses and management of the department. Qualifications include doctorate in a biomedical/health science or related field as well as demonstrated success in teaching, academic leadership, and research. Previous administrative experience, a commitment to working toward increasingly diverse faculty, student, and community populations, and experience in encouragement of research are preferred. Grand Valley State University, the fastest growing university in Michigan, with current enrollment of nearly 16,000 students, is located near the city of Grand Rapids and the shores of Lake Michigan. Send application, including a letter of interest, brief statement of academic and administrative philosophy, curriculum vitae, and names, addresses, telephone numbers of three references to: **P. Douglas Kind-schi, Dean of Science and Mathematics, 312 Padnos Hall of Science, Grand Valley State University, Allendale, MI 49401.** Consideration of applications will begin on November 3, 1997, and will be accepted until the position is filled.

### EXECUTIVE DIRECTOR FOR CMRC/NURP

The Perry Foundation is seeking an Executive Director to head its Caribbean Marine Research Center, one of six regional centers under NOAA's National Undersea Research Program. The position requires planning, development, and implementation of organizational policies, strategic objectives, and scientific programs; organizational budgeting; grants administration; facilities development; funding source development; coordinating Congressional activities; directing public relations; and developing scientific initiatives in Florida and the Caribbean.

Minimum qualifications include an M.S. in marine science or related field and previous management experience. Preferred qualifications include a Ph.D., M.B.A., and/or executive-level experience with a marine science facility. FAX a letter, curriculum vitae, and three references to: **PFI, FAX: 561-471-7553.** *Equal Opportunity Employer.*

### DEVELOPMENTAL NEUROBIOLOGY POSITION AT PENN

Applications are invited for a tenure-track faculty position in the area of developmental neurobiology at the University of Pennsylvania School of Medicine. Promising researchers using vertebrate systems to study fundamental developmental processes in the nervous system are encouraged to apply. Generous start-up funds are available. The appointment will be made in the Departments of Neuroscience or Neurology. Applicants should send a curriculum vitae, a brief statement of research interests, and have at least two letters of recommendation sent to: **Chair/Developmental Neurobiology Search Committee, 215 Stemmler Hall, Philadelphia, PA 19104-6074.** *Women and minorities are encouraged to apply. The University of Pennsylvania is an Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWS

San Francisco State University is seeking three Postdoctoral Fellows: (a) Synthetic Chemist to prepare phosphorous-containing peptidase inhibitors—background in organic synthesis and spectroscopy required; (b) Synthetic Chemist with strong background in heterocyclic chemistry, spectroscopy, and chromatography; (c) Bioinorganic Chemist to study porphyrin/membrane interactions—strong background in analytical, physical, and NMR techniques is required. All candidates should have a Ph.D. in chemistry or a related field. E-mail a cover letter and curriculum vitae to e-mail: [obr@sfsu.edu](mailto:obr@sfsu.edu). Clearly indicate the position of interest. For more information, see website: <http://www.chemistry.sfsu.edu/obr/obr.homepage.html>.

### POSTDOCTORAL POSITION STANFORD UNIVERSITY

To investigate the role of Src tyrosine kinases in signal transduction, cell differentiation, and cell transformation. Studies focus on the regulation of Src by interacting proteins, and during the cell cycle. Experience in molecular biology is required. Must have Ph.D. or M.D.-Ph.D. and be a U.S. citizen or permanent resident. Send curriculum vitae and names of three references to: **Dr. Chris Cartwright, Stanford University, MSLS Building, P304, 1201 Welch Road, Stanford, CA 94305-5487. FAX: 650-723-5488.** *Stanford University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

Dyax Corp. in Cambridge, Massachusetts is using structure information on rigid small protein inhibitors of various enzyme targets obtained by proprietary phage display technology to pursue small non-peptide drugs.

We have phage display leads that inhibit HNE, plasma Kalikrein and Plasmin with I50s in the single digit picomolar range and an active computational/synthetic chemistry effort focused on producing small molecule inhibitors for these enzymes. We need a **SENIOR SCIENTIST** with experience in biochemistry/enzymology to participate in this research. Immediate goals will be the establishment of appropriate enzyme inhibitor assays to provide guidance for the chemistry effort. Experience with phage manipulation will be a plus as some work is also ongoing to determine inhibitory activities of inhibitors displayed on phage.

Interested parties should send a curriculum vitae to: **Peter W. Sprague, Ph.D. Vice President for Drug Discovery, Dyax Corp., One Kendall Square, Building 600, 5th Floor, Cambridge, MA 02139. FAX: 617-225-2501; e-mail: [psprague@dyax.com](mailto:psprague@dyax.com).**

### MOLECULAR NEUROSCIENCE

The Cellular and Molecular Mechanisms Section of the Pain Neurosensory Mechanisms Branch, National Institute of Dental Research, NIH, is recruiting a senior-level **POSTDOCTORAL FELLOW/STAFF FELLOW** to join a research program investigating the control of gene expression in animal models of pain or nerve injury. Training and experience in molecular biology is required. Salary commensurate with experience. Please send a curriculum vitae, three letters of recommendation, and a cover letter outlining areas of research interest and skills to: **Dr. M. A. Ruda, 49 Convent Drive, Building 49, Room 1A11, Bethesda, MD 20892. FAX: 301-402-0667.** Application materials must be received by December 1, 1997. *NIH is an Equal Opportunity Employer.*

### POSTDOCTORAL POSITION CELL CYCLE RESEARCH

A Postdoctoral position is available immediately to study cell cycle regulation and cell cycle checkpoints in keratinocytes through a combination of biochemical and cell biology methods. Applicants should have a Ph.D. or M.D.-Ph.D. Demonstrated experience in mammalian cell culture and immunological techniques is desirable. Please send curriculum vitae and names of three references to: **Dr. Jean Gautier, Department of Dermatology, Columbia University, VC15-1526, 630 West 168th Street, New York, NY 10032. E-mail: [jg130@columbia.edu](mailto:jg130@columbia.edu); FAX: 212-305-7391.** *The department is particularly interested in qualified minority and women applicants. Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL POSITIONS** in molecular biology and nucleic acid chemistry at the Laboratory for Molecular Science of the University of Southern California. Basic interdisciplinary research related to the construction of a molecular computer (**L. Adleman**, "Molecular computation of solutions to combinatorial problems," *Science* 266:1021-1024, November 11, 1994). Research directed by **Professors Leonard Adleman** and **Myron Goodman**. Please submit three letters of reference and curriculum vitae to: **Dr. Nickolas Chelyapov, University of Southern California/Molecular Biology—ACB 530, 835 West 37th Street, Los Angeles, CA 90089-1340.**

**POSTDOCTORAL POSITION** available immediately to study mechanisms of abnormal brain development, neurodegeneration, and cognition in animal models of Down's syndrome and Alzheimer's disease. Experience with computer-assisted  $Ca^{2+}$  imaging, confocal microscopy, organotypic brain slices, cell signaling, or neurohistology preferred. Send statement of research interests, curriculum vitae, and names of three references to: **Dr. Bruce K. Krueger, Department of Physiology, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201. E-mail: [bkrueger@umabnet.ab.umd.edu](mailto:bkrueger@umabnet.ab.umd.edu).**

**POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE.** Available immediately to study the electrophysiological basis of ion-transport in esophageal epithelia and the mechanisms of changes of transport and barrier properties. Prior experience in patch clamp methodology is desirable. Send curriculum vitae, copy of selected reprints and pertinent information to: **M. Awayda, Tulane University Medical School, Department of Medicine, SL 35, 1430 Tulane Avenue, New Orleans, LA 70112. E-mail: [mawayda@mailhost.tcs.tulane.edu](mailto:mawayda@mailhost.tcs.tulane.edu).** *Minorities/women are encouraged to apply. Tulane University is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT/ASSOCIATE PROFESSORSHIPS  
NEUROSCIENCE/NEUROPHARMACOLOGY  
THE GEORGE WASHINGTON UNIVERSITY  
MEDICAL CENTER

The Department of Pharmacology is continuing its search for several tenure-track positions in NEUROSCIENCES. These positions are available in association with new leadership and expansion of the Department at George Washington University. The successful applicants will have outstanding records of research accomplishment using modern techniques to explore functional aspects of the nervous system. An interdisciplinary approach to research is encouraged, with opportunities for collaboration with colleagues who are using state-of-the-art methodologies in neurophysiological, neuropharmacological, molecular genetic, and developmental studies of the brain. There are a number of extramurally funded neuroscientists at the Medical Center, which is situated in an attractive neighborhood near the Kennedy Center and five blocks from the White House. Other research scientist members of the George Washington University Institute for Biomedical Science are located at the Children's Research Institute of the Children's National Medical Center and the Holland Laboratory of the American Red Cross. The successful candidates will participate in the teaching of medical and graduate students, and will provide training opportunities for students and postdoctoral fellows in the interdepartmental Ph.D. programs in Neuroscience and Pharmacology. Candidates will be expected to develop a strong, extramurally funded research program. Competitive salaries and start-up funds are available for these positions. Faculty rank and salary will be commensurate with prior experience. Applicants with a Ph.D. and/or M.D. degree and substantial postdoctoral experience should submit a letter of intent, a detailed summary of research accomplishments and future research plans, teaching experience, a curriculum vitae, and the names, addresses, and telephone numbers of three to five references to: **Prof. Vincent A. Chiappinelli, Chair of the Search Committee, Department of Pharmacology, 2300 Eye Street, N.W., Washington, DC 20037.** Review of applications began on December 9, 1996, and will continue until all positions are filled. *The George Washington University is an Equal Opportunity/Affirmative Action Employer.*



Department of Human Genetics  
Memorial Sloan-Kettering Cancer Center

POSTDOCTORAL POSITIONS are available to study the molecular mechanisms underlying Acute Promyelocytic Leukemia (APL) pathogenesis and the normal function of genes involved in the disease (PML, PLZF, NPM, NUMA, RAR $\alpha$ ) using molecular and cellular systems, and transgenic animal models generated by tissue-specific and *Cre/loxP* recombinase-mediated transgene expression, and gene ablation in mouse ES cells. Applicants should have a Ph.D. and/or M.D. with extensive experience in molecular biology, protein biochemistry, and/or mouse genetics. Send or fax curriculum vitae and the names of three references to: Pier Paolo Pandolfi, M.D., Ph.D., Department of Human Genetics, Box 110, MSKCC, 1275 York Avenue, New York, NY 10021. FAX: 212-717-3374.

— MSKCC is an Equal Opportunity/Affirmative Action Employer —

CALIFORNIA INSTITUTE OF TECHNOLOGY  
POSTDOCTORAL FELLOWSHIPS IN GEOLOGICAL AND  
PLANETARY SCIENCES

The California Institute of Technology announces two fellowships in earth and planetary sciences:

**The O.K. EARL POSTDOCTORAL FELLOWSHIP,  
and The TEXACO POSTDOCTORAL FELLOWSHIP.**

These awards are from funds endowed by ORRIN K. EARL, JR. and by the TEXACO PHILANTHROPIC FOUNDATION. Each fellowship carries an annual stipend of a minimum of \$36,000 and offers a research expense fund of \$1,000 per year and one-way travel to Pasadena. The duration of each appointment will normally be for two years, contingent upon good progress in the first year, and beginning with the 1998-99 academic year. Fellows are eligible to participate in Caltech's health and dental program.

These fellowships have been established to support the research of scientists typically within two years after receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in the earth and planetary sciences, with particular emphasis on interdisciplinary work. Applicants with training in physics, chemistry, biology, or computer sciences are urged to apply. The Caltech faculty is currently active in geobiology, geochemistry, geology, geophysics, petrology, seismology, and atmospheric and planetary sciences. It is expected that each fellowship holder will be hosted by a division professor (designated by the division chairman) who will contribute to the fellowship support both financially and by providing intellectual guidance.

Application forms may be obtained via the division home page on the Internet (<http://www.gps.caltech.edu>) or by writing to Prof. E.M. Stolper, Chair, Division of Geological and Planetary Sciences, Mail Code 170-25, California Institute of Technology, Pasadena, California 91125, or by e-mail to Marcia Hudson: [marcia@gps.caltech.edu](mailto:marcia@gps.caltech.edu).

**COMPLETED APPLICATIONS WITH REFERENCES SHOULD  
ARRIVE AT CALTECH BY FRIDAY, DECEMBER 19, 1997.**

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest. *Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

**HEALTH SCIENTIST ADMINISTRATOR**

National Institute on Aging  
National Institutes of Health

The Neuroscience and Neuropsychology of Aging Program is seeking a Health Scientist Administrator, GS-601-13/14 (\$54,629 to \$83,922) as the Program Director to develop and administer an extramural research program on neuroepidemiology, which includes studies of prevalence, incidence, and risk factors for AD and other dementias of aging. The incumbent will develop the program, define its long-range goals, and contact and encourage scientists with appropriate expertise and interest to develop and submit research proposals. **Research experience in epidemiology is required. Research in aging-related neurodegenerative diseases such as Alzheimer's disease is preferred.** U.S. citizenship is required. For information call, 1-800-728-5627, ID#1208. Send C.V., resume, or the Optional Application for Federal Employment (OF-612) to: CHRISTINE HARTZ, NIA PERSONNEL OFFICE, BUILDING 31, ROOM 2C02, 31 CENTER DRIVE, MSC 2292, BETHESDA, MD 20892-2292, (301) 496-5460, BY DECEMBER 19, 1997.

NIH is an Equal Opportunity Employer





## CORN TRANSFORMATION

DEKALB Genetics Corporation, the fastest growing agricultural seed company in the U.S. has career opportunities for innovative scientists in Corn Transformation research.

### Project Leader,

#### Corn Transformation Technology Development (TTD-1)

Successful candidate will design, direct, and implement a research project relating to manipulating integration and expression of transgenes in corn. Candidates should have a Ph.D. in molecular biology plus postdoctoral experience with background in plant transformation.

### Research Associates,

#### Corn Transformation Technology Development (TTD-2)

Successful candidates will develop new technologies related to corn transformation. Candidates should have an M.S. plus two years research experience. Experience with molecular biology, cereal tissue culture, and transformation preferred.

The successful candidates will be located at DEKALB's biotechnology research facility in Mystic, CT, a scenic shoreline community located on Long Island Sound, half-way between New York and Boston. For more information on DEKALB, visit our website at <http://www.dekalb.com>. Please mail your résumé and three professional references (including TTD#) to: **DEKALB Genetics Corporation, Human Resources/TTD#, 62 Maritime Drive, Mystic, CT 06355-1958. EOE/AA.**

## ACADIA Pharmaceuticals

*bridging the gap between the genome and drug discovery*



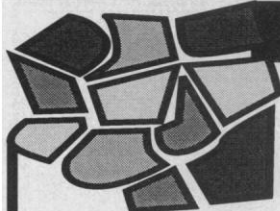
ACADIA Pharmaceuticals (formerly Receptor Technologies) is a development stage company specializing in the functional characterization of genes that encode potential drug targets. The company has developed a platform of breakthrough proprietary technologies that enable the high throughput assay of receptor function. Within the company, scientists in molecular genetics, receptor biology, signal transduction, computational chemistry, and combinatorial chemistry collaborate to discover compounds that affect newly discovered receptors.

In support of a major new expansion, the company is now recruiting a number of scientists with expertise in molecular genetics, receptor biology, high-throughput screening, bioinformatics and database management. Qualified candidates are encouraged to apply for the following positions:

- **Senior Scientists:** Ph.D. with at least two years of postdoctoral experience.
- **Technologists:** BS or MS degree and at least two years of practical experience.
- **Postdoctoral and Graduate Training Opportunities**

ACADIA Pharmaceuticals offers a competitive compensation and benefits package including a 401K and an employee stock option plan. Please address a resume to: Human Resources, ACADIA Pharmaceuticals, 3911 Sorrento Valley Blvd., San Diego, CA 92121. EOE

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## ASSOCIATE PROFESSOR OF RADIOLOGY

The Department of Radiology, University of Minnesota Medical School is seeking a full-time physicist or chemist for an academic position at the tenured Associate Professor level. The primary responsibility for this position will be to develop a research program in NMR spectroscopy and imaging in humans with particular emphasis on proton and carbon 13 spectroscopy of the human brain at high magnetic fields, foster collaborations with the Clinical Research Center at University of Minnesota and other institutions to establish collaborative research projects, participate in collaborative efforts in ongoing and future work in high-field magnetic resonance imaging and spectroscopy at the Center for Magnetic Resonance Research (CMRR), and generate grant applications and funding for such research projects independently and in collaboration with CMRR or other University of Minnesota faculty members. The position includes teaching responsibilities in the form of selected lectures within formal course at the undergraduate and graduate level and informal series of lectures.

Candidates who wish to apply must have:

- 1) A Ph.D. degree in either physics or chemistry, with the Ph.D. thesis research in the field of *in vivo* NMR spectroscopy.
- 2) At least two years of experience of Postdoctoral training in NMR spectroscopy with particular focus on spectroscopy studies on humans.
- 3) At least four years of experience with development of MR spectroscopic spatial localization techniques for and applications in humans. This experience must be in addition to the Ph.D. thesis research.
- 4) Experience with and a working knowledge of computer programming in C language.
- 5) Experience with magnet shimming algorithms for *in vivo* applications, adiabatic pulses and MR imaging methods.
- 6) Experience with high field (3 Tesla or higher) magnetic resonance spectroscopy studies and necessary RF coil hardware with humans.
- 7) Participation as PI and/or Co-PI in and existing funding from NIH and/or NSF or equivalent government research funding agency.

A broad training in NMR techniques, and in particular, experience with high field (>3 Tesla) human MR spectroscopy applications would be highly desirable. The candidate must have demonstrated ability to perform innovative research and participate in multi-disciplinary collaborative projects involving clinical scientists and NMR physicists. Salary will be commensurate with experience. Anticipated start date is December, 1997.

Applications for this position must submit a curriculum vitae and the names and telephone numbers of three references to: **Dr. Kamil Ugrubil, Chair, Search Committee**—Associate Professor, Center for Magnetic Resonance Research, 385 East River Road, Minneapolis, MN 55455. Deadline for receipt of applications is November 30, 1997. *The University of Minnesota is an Equal Opportunity Educator and Employer.*

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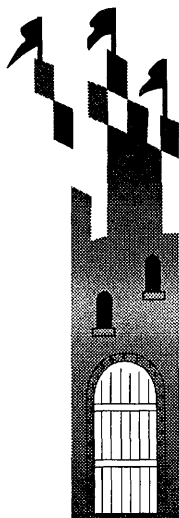
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Wyeth-Ayerst Research, a major division of Fortune 100 American Home Products Corporation, has opportunities available in Molecular Genetics, a Core Technologies Division located at its Princeton, New Jersey research center.

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### Division of Molecular Genetics

In state-of-the-art facilities and using cutting-edge molecular, cellular and physiological techniques, this Division is responsible for the application of molecular genetics to the identification and validation of new drug discovery targets, as well as the production of genetically modified models as tools for drug discovery.

The following positions add to a highly-trained, multi-disciplinary team of enthusiastic and creative scientists who collaborate with investigators in other divisions to facilitate the application of molecular genetics to drug discovery in Cardiovascular Diseases, Metabolic Disorders, CNS Disorders, Oncology, Infectious Diseases and Women's Health.

- **Microinjection** - Play a key role in the operation of a 6000 square-foot Transgenic Barrier Facility. Candidates should have a minimum of 5 years experience in the techniques involved in the production of genetic modifications, including DNA microinjection, embryonic stem cell manipulation, surgery, husbandry and molecular biology. **Position # OPSCI-2724**
- **Gene Targeting, Transgenics and Molecular Biology** - The selected scientist will work as a member of our team to conceive and carry out research projects using molecular genetics such as transgenics, gene targeting and cell-based technologies. Ideally, candidates will have experience in genetic modifications, the use of cell-based functional genomics as well as supervisory skills. Candidates with B.S./M.S. or Ph.D. degrees are encouraged to apply. **Position # OPSCI-MG**

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please send your resume with salary requirements and position # to: **Wyeth-Ayerst Research, Human Resources Dept., P.O. Box 7886, Philadelphia, PA 19101-7886**, or fax your resume (in fine mode if possible) directly into our centralized Research resume database at (610) 989-4854. E-mail: [jobs@RAMAIL1.wyeth.com](mailto:jobs@RAMAIL1.wyeth.com) (ASCII format, no attachments, subject: resume). Principals Only. Equal Opportunity Employer, M/F/D/V.

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## MAKE A DIFFERENCE IN THE QUALITY OF LIFE

The Hyland Division of Baxter Healthcare, a global leader in human protein therapeutics, is seeking energetic individuals who can contribute effectively in a multi-disciplinary research & development environment in the following areas:

### **SENIOR RESEARCH SCIENTIST**

We seek a dynamic individual with demonstrated broad expertise in the biochemical investigation of proteins to participate in the study of structure and function of protein therapeutics under development. Applicants must be thoroughly versed in a wide variety of analytical techniques and their application to the study of protein structure and function, including strong evidence of publications and other scientific contributions. Prior experience in a multi-disciplinary approach to product development is required, along with demonstrated understanding of product development and the relation of business goals to technical objectives. Excellent interpersonal and communication skills are essential. The successful candidate will make key recommendations to develop program plans, lead and evaluate technical activities. A Ph.D. in biochemistry with relevant postdoctoral and industrial experience is required.

### **RESEARCH SCIENTIST**

We seek an individual with demonstrated expertise in the clinical application and function of immunoglobulins, with emphasis in the area of infectious diseases. The successful candidate will lead and conduct research and development activities to identify and evaluate product opportunities, and will provide technical input to support business objectives. A strong background in Clinical Immunology and Microbiology is required. The ability to interact in a group setting, excellent communication skills and a knowledge of clinical issues are essential. A Ph.D. degree in Immunology with relevant experience is required.

Baxter Healthcare is synonymous with products, systems and services devoted to improving health care throughout the world. We provide a smoke-free environment, competitive compensation and benefits. Please forward your resume in confidence (*indicating on the outer envelope the position of interest*) to: Baxter Healthcare, Hyland Division, Human Resources, 1720 Flower Avenue, Duarte, CA 91010, USA; FAX: 626-305-5020; e-mail: [blindem@baxter.com](mailto:blindem@baxter.com). *An Affirmative Action / Equal Opportunity Employer.*

Biotech Group, Hyland Division

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## **INFECTIOUS DISEASES DISCOVERY RESEARCH AT SCHERING-PLOUGH**

At the Schering-Plough Research Institute, scientists are discovering innovative therapeutic agents that challenge humankind's most debilitating diseases. If you are seeking an opportunity to be on the cutting edge of exploratory pharmaceutical discovery, become part of an advanced multidisciplinary research group focused on infectious diseases.

### **ASSISTANT/ASSOCIATE SCIENTIST** **Antifungal Target Evaluation**

We are seeking a talented scientist with a Bachelor's or Master's degree and 0-4 years of related experience in molecular biology/genetics of microorganisms. A strong background in fungal microbiology is a plus.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to apply on-line at <http://www.sp-research.com> or send a scannable resume and cover letter, original copy only, referencing Dept. KS-BD/PC, to: Human Resources-PC, Schering-Plough Research Institute, 2015 Galloping Hill Road, K-15, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. *We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.*



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Using Science for Human Advantage

EPIX Medical, Inc., is a rapidly growing pharmaceutical company focused on the discovery and development of injectable contrast-enhancing agents for magnetic resonance imaging (MRI). We have the following new position available:

## Cellular Biologist

You will be required to establish an *in vitro* toxicology (and pharmacology) program to study the cellular effects of new chemical entities and organo-metallic complexes. The successful candidate should have at least 3 years of working experience developing assays in one or more of the following areas: cell/tissue culture, ELISA/RIA, and enzymatic activity. The position involves working with biohazard materials and radioisotopes. ABT certification and previous supervisory experience a definite plus. A Ph.D. degree in cell biology (or a related discipline) and 3 or more years of postdoctoral research experience in an area of *in vitro* toxicology is required.

Please send your resume with cover letter, indicating job code CB, to EPIX Medical, Inc. 71 Rogers Street, Cambridge, MA 02142-1118, Attn: Human Resources, FAX 617-499-1414. EOE



# Deputy Under Secretary For Oceans & Atmosphere

(A Senior Executive Service Position in the Federal Government)

Department of Commerce National Oceanic and  
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Deputy Under Secretary Office of the Under Secretary  
**\$103,897 - \$123,100 Annually**

The candidate selected for this position will be the key advisor to the Under Secretary on all program and policy issues, and is responsible for insuring staff work and resources – both human and financial – are properly marshaled to insure timely and effective implementation of the Under Secretary's objectives and policies.

### Mandatory Professional/Technical Qualification Requirements:

1. Substantial senior level experience in administration and direction of a large, geographically dispersed organization relevant to NOAA's mission.
2. Demonstrated experience in program management and public policy development, in particular, those areas related to NOAA programs and services.
3. Broad knowledge of environmental sciences and/or engineering especially as they relate to NOAA program areas.

Please contact 301/713-0534 ext. 206 (301/713-0973 [TDD])  
(Internet address: [bridget.a.clark@noaa.gov](mailto:bridget.a.clark@noaa.gov))  
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## DIRECTOR OF TECHNOLOGY & CORPORATE INITIATIVES

The Department of Pathology, Johns Hopkins Medicine, is seeking an entrepreneurial individual to direct biomedical/informatics technology development and transfer programs as well as support its fund-raising programs.

Responsibilities will include identifying valuable intellectual property and facilitating its transfer through patents, licensing and royalty arrangements; supporting plans for a commercial start-up biomedical and informatics technology company; and forging institutional alliances with corporate research sponsors and pharmaceutical/biotech companies. You will also plan and implement fund-raising programs to meet departmental research needs.

The ideal candidate will have a Master's degree; an MBA, PhD or JD is preferred. 3+ years' technology development and commercialization experience in a corporate or academic setting is required, as is knowledge of intellectual property issues, biomedical research and/or information sciences. Excellent communication and presentation skills are also necessary. Position demands a diplomatic individual with a strong sense of professionalism and marked degree of independence.

Submit resume with cover letter including salary expectations by Oct. 15 to: **School of Medicine, Attn: Judi Regalbuto, The Johns Hopkins University, Human Resources Dept., P.O. Box 2454, Baltimore, MD 21203-2454.** EOE m/f/d/v. Smoke free. Drug free.

# JOHNS HOPKINS

U N I V E R S I T Y



## POSITIONS OPEN

### MEMBRANE PROTEINS, CELL SIGNALING, CELL COMMUNICATION THE SCRIPPS RESEARCH INSTITUTE

Several postdoctoral positions are available to participate in novel research initiatives focused on understanding membrane protein structure/function relationships, signal transduction pathways that are regulated by bioactive lipids, and gap junctional communication between cells. These positions will be funded at a level that is commensurate with the prior experience of the candidates.

Applicants with experience in chemistry, biochemistry, molecular biology, cell biology, and neurobiology are encouraged to apply. If interested, please send a curriculum vitae and three letters of reference to: **Cheryl Negus, Administrative Manager, Department of Cell Biology, MB6, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037.**

*Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL POSITION/MOLECULAR IMMUNOLOGY

A Postdoctoral position focusing on the study of memory T cell repertoires is available in **Dr. Jack Gorski's** laboratory at The Blood Research Institute. Qualified individuals (Ph.D. or equivalent) with a solid base in cell culture, and who are willing to be trained in molecular genetic approaches to repertoire analysis, are especially encouraged to apply. Please send résumé, brief description of research interests, and references to:

**The Blood Center of Southeastern Wisconsin**

Attn: HR Dept. #97-0870

P.O. Box 2178

Milwaukee, WI 53201-2178

*Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL FELLOWSHIP** available immediately to study the regulation of DNA repair and recombination genes in response to DNA damage and during competence development in *Bacillus subtilis*. Experience in protein biochemistry and molecular biology preferred. This position is in a well-funded lab at a premier undergraduate college and would provide excellent training for anyone interested in pursuing a career in teaching and research at a predominantly undergraduate institution. Candidates should send curriculum vitae and three references to: **Professor Charles M. Lovett, Department of Chemistry, Williams College, Williamstown, MA 01267. E-mail: clovett@williams.edu. Williams College is an Equal Opportunity Employment/Affirmative Action Employer.**

### POSTDOCTORAL POSITION UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

Immediate opening to study lymphoid developmental defects in mice bearing homeobox deletions and transgenes. Experience in T and B cell development, FACS, cell and thymic organ culture, murine transplantation, molecular biology is desirable.

Send applications to: **Dr. H. J. Lawrence, Hematology Research (151H), VA Medical Center, 4150 Clement Street, San Francisco, CA 94121. FAX: 415-221-4262. E-mail: lawrencej@vacom.ucsf.edu. Equal Opportunity/Affirmative Action Employer.**

### POSTDOCTORAL POSITION PROTEIN NEUROCHEMISTRY

Position is available immediately to study changes in protein expression and activity in synaptic plasticity and learning, in the mature and aged rat brain. Experience in protein biochemistry is required. Please send curriculum vitae, two or more letters of recommendation to: **Dr. Gal Richter-Levin, the Laboratory for Behavioral Neuroscience, The Department of Psychology, University of Haifa, Haifa 31905, Israel. FAX: 972-4-8240966; e-mail: gal.r-l@psy.haifa.ac.il.**

**POSTDOCTORAL POSITION** available at University of Missouri-Kansas City to study the effects of dietary fatty acids on lipoprotein metabolism rats and humans. Prefer degree in nutrition, biochemistry, or physiology and experience with rat arterial/venous cannulation. Salary range \$25,000 to \$30,000. Send curriculum vitae and names of three references by October 31, 1997, to: **William S. Harris, Ph.D., Saint Luke's Hospital, Lipid Research Lab, 4321 Washington MPH, Suite 1100, Kansas City, MO 64111. FAX: 816-932-8278; e-mail: wharris@saint-lukes.org. An Equal Opportunity Institution.**

## POSITIONS OPEN

### POSTDOCTORAL POSITION RNA/PROTEIN INTERACTIONS

Position available immediately to study structure/function relationships in poly(A) polymerase/mRNA cap-specific methyltransferase. This is an excellent opportunity in the area of post-transcriptional RNA modification. Experience in protein and/or nucleic acid biochemistry preferred. Send curriculum vitae and names of three referees to: **Dr. Paul D. Gershon, c/o Diana Taylor, Institute of Bio-sciences and Technology, Texas A&M University, 2121 West Holcombe Boulevard, Houston, TX 77030-3303. E-mail: pgershon@ibt03.tamu.edu; website: http://www.tamu.edu/ibt/ibtweb/pg.htm. Texas A&M University-IBT is an Affirmative Action/Equal Opportunity Employer.**

**POSTDOCTORAL FELLOWSHIP**, Harvard Medical School/VA Medical Center. NIH-funded position; available now; studies on the regulation of cell adhesion molecules by BMPs, effects of ethanol on cell adhesion and opioid receptor gene expression. Research involves PCR, Northern analysis, site-directed mutagenesis, cell transfection, primary cell culture, cell adhesion assays, neurite outgrowth, neural migration. Expertise in molecular biology required, experience with primary neuronal culture preferred. *U.S. citizen or resident alien preferred.* Send curriculum vitae to: **Dr. M. E. Charness, Department of Neurology, Harvard Medical School, 1400 VFW Parkway, West Roxbury, MA 02132. FAX: 617-363-5592; e-mail: charness@tiac.net.**

**POSTDOCTORAL POSITION** to study tomato spotted wilt tospovirus (TSWV) glycoprotein processing in *planta* using reporter genes and TSWV binding in the midgut of the western flower thrips. Initial appointment for one year with availability of second year dependent on progress. Incumbent must have Ph.D. and relevant experience in virology, molecular biology, and/or cell biology. A curriculum vitae, summary of incumbent's research approach to the project not to exceed two pages, and three letters of reference should be provided by November 1 to: **John L. Sherwood, Department of Plant Pathology, University of Georgia, Athens, GA 30602-7274. UGA is an Equal Opportunity/Affirmative Action Employer.**

### POSTDOCTORAL POSITION SIGNAL TRANSDUCTION

Position available to study protein-protein interactions in signal transduction complexes to define the regulation and pathway specificity for processes connecting cell activation with function. The approach will encompass use of green fluorescent protein mutants for quantitative image analysis and immunofluorescence. Send curriculum vitae, statement of research interests, and names of three references to: **Dr. John R. Williamson, Department of Biochemistry and Biophysics, University of Pennsylvania, Philadelphia, PA 19104. FAX: 215-898-9918. Equal Opportunity Employer.**

**POSTDOCTORAL FELLOWSHIP**, University of California, San Francisco/VA Medical Center. Position now available to study effects of superoxide dismutase and heme oxidase on neuronal and glial free radical metabolism. Research involves use of transgenic cultures, fluorescent dye imaging, and biochemical analyses of free radical injury. A two-year commitment is required. Send curriculum vitae and names of three references to: **Dr. Raymond A. Swanson, (127) Neurology, 4150 Clement Street, San Francisco, CA 94941.**

**POSTDOCTORAL POSITION** available immediately to study the molecular genetics involved in tumor suppression and cell cycle control. Ph.D.-M.D. with experience in molecular and cellular biology required. Send curriculum vitae and names of three references to: **Dr. Yan A. Su, Lombardi Cancer Center, Georgetown University Medical Center, Research Building, Room E308A, 3970 Reservoir Road N.W., Washington, DC 20007. Telephone: 202-687-6056; FAX: 202-687-7505; e-mail: suya@gunet.georgetown.edu.**

**POSTDOCTORAL FELLOW, EMORY UNIVERSITY.** Participate in studies of transcriptional regulation of insulin-like growth factors and their binding proteins. Should have experience with cell culture, subcloning, transfection, footprinting, other molecular techniques. *Must be U.S. citizen or permanent resident.* Send curriculum vitae and three references to: **Lawrence S. Phillips, M.D., Division of Endocrinology, Emory University, 1639 Pierce Drive, WMRB 1301, Atlanta, GA 30322.**

## POSITIONS OPEN

**POSTDOCTORAL FELLOWSHIPS.** Candidates must hold M.D. and/or Ph.D. degrees in bioengineering, physiology, or related fields and have interests in whole organ cardiac electrophysiology. Research and training will include the study of cardiac potential fields and electrocardiographic signals obtained from experimental animals and will focus on fundamental aspects of propagation and repolarization. High resolution electrocardiographic mapping and associated methods for analyzing and visualizing the recorded signals will be used. Trainees will collaborate with and be trained by an interdisciplinary team of scientists with expertise in cardiac electrophysiology, signal processing, scientific visualization, and computer science. Send inquiries to: **Dr. Robert L. Lux, Director, Nora Eccles Harrison CVRTI, University of Utah, Salt Lake City, UT 84112-5000. E-mail: lux@cvrti.utah.edu. The University of Utah is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities and provides reasonable accommodations to the known disabilities of applicants and employees.**

**POSTDOCTORAL POSITION** in mucosal immunology available November 1, 1997, to study antigen-presenting cell/T cell interactions and tolerance in mucosal inductive sites of the gastrointestinal and upper respiratory tracts. Opportunity to work with a committed group of investigators studying human and animal infectious diseases. Applicants must have a Ph.D., cellular immunology experience, and ability to design experiments relevant to T cell stimulation and cytokine assays. Some molecular biology experience is desirable. Send a letter of application, curriculum vitae, and names of three references to: **Dr. David W. Pascual, Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717-3610. FAX: 406-994-4303; e-mail: uvdp@trex.oscs.montana.edu.**

*ADA/Affirmative Action/Equal Opportunity Veteran's Preference.*

### POSTDOCTORAL POSITION ALZHEIMER'S DISEASE NEURODEGENERATION

Available immediately to study the role of inflammation in Alzheimer's disease neurodegeneration. Candidates with strong background in immunohistochemical and molecular-neuroanatomical techniques (*in situ* hybridization) are strongly encouraged to apply. Qualified candidates should forward curriculum vitae and the names of three references to: **Giulio Maria Pasinetti, M.D., Ph.D., Department of Psychiatry, Box 1229, The Mount Sinai School Of Medicine, One Gustave L. Levy Place, New York, NY 10029-5579. Telephone: 212-241-5579. We are an Equal Opportunity Employer fostering diversity in the workplace.**

**Great Lakes—POSTDOCTORAL/GRADUATE STUDENTS** wanted to study the molecular biology of newly cloned adapters Grb10 and PSM in insulin, IGF-1, PDGF action (see *Nature* 324:68, 1986; *Science* 236:197, 1987; *EMBO J.* 8:2943, 1989; *J. Virol* 68:411, 1994; *JBC* 271:8882, 1996; *J. Biochem.* in press, 1997) by **Heimo Riedel, Ph.D., Biological Sciences, Wayne State University, Detroit, MI 48202. Telephone: 313-577-7870; e-mail: hriedel@sun.science.wayne.edu. Wayne State University—People working together to provide quality service. Wayne State University is an Equal Opportunity/Affirmative Action Employer. All buildings, structures, and vehicles at WSU are smoke-free.**

**POSTDOCTORAL POSITION** is available immediately for M.D.-Ph.D. or equivalent with an expertise in immunochemistry. Experience in antibody characterization and purification, affinity chromatography, protein separation, and peptide sequencing is desirable. Candidate will study a variety of processes involving platelet immunology and coagulation inhibitors. Stimulating environment with collaborative opportunities and unique patient samples. Send résumé to: **Mervyn A. Sahud, M.D., Director, Coagulation Center, Sherrick Research Building, Level 1, 3023 Summit Street, Oakland, CA 94609.**

**POSTDOCTORAL RESEARCH** in transcriptional regulation. **Shelley L. Berger, Ph.D.:** Function of histone acetylation by the adaptor GCN5 in transcriptional activation. Studies include genetic and biochemical approaches both in *S. cerevisiae* and in humans, focusing on the mechanism and biological role of protein complexes containing GCN5 *in vivo*. **The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104. Equal Opportunity Employer.**

## POSITIONS OPEN

### HARVARD UNIVERSITY BULLARD FELLOWSHIPS IN FOREST RESEARCH

Each year Harvard University awards a limited number of Bullard Fellowships to individuals in biological, social, physical, and political sciences to promote advanced study, research, or integration of subjects pertaining to forested ecosystems. The Fellowships, which include stipends up to \$30,000, are intended to provide individuals in mid-career with an opportunity to utilize the resources and to interact with personnel in any department within Harvard University in order to develop their own scientific and professional growth. In recent years Bullard Fellowships have been associated with the Harvard Forest, Department of Organismic and Evolutionary Biology, and the J. F. Kennedy School of Government and have worked in areas of ecology, forest management, policy, and conservation. Fellowships are available for periods ranging from four months to one year and can begin at any time in the year. Fellowships are not intended for graduate students or recent postdoctoral candidates. Further information may be obtained from: **Committee on the Charles Bullard Fund for Forest Research, Harvard University, Harvard Forest, P.O. Box 68, Peterham, MA 01366 USA.** Annual deadline for applications is February 1. *Applications from international scientists, women, and minorities are encouraged.*

**POSTDOCTORAL FELLOW: CHEMICAL/ENVIRONMENTAL ENGINEERING.** The Johns Hopkins University announces the availability of a two-year Camille and Henry Dreyfus Postdoctoral Fellowship in Environmental Chemistry (\$40,000 per annum) in the area of molecular engineering of "greener" processes and products. Research will involve extensive collaboration between faculty within the Department of Chemical Engineering and the Department of Geography and Environmental Engineering at John Hopkins University. Applicants interested in an academic career in chemical engineering with a strong commitment to building a research program with an environmental perspective are encouraged to apply. For full consideration, please send résumé and names of three references by January 1, 1998, to: **Dr. Charles R. O'Melia, Department of Geography and Environmental Engineering, 313 Ames Hall, The Johns Hopkins University, 3400 North Charles Street, Baltimore, MD 21218-2686.** *Women and minorities are strongly encouraged to apply. Johns Hopkins University is an Equal Employment Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITION INDIANA UNIVERSITY

A Postdoctoral position is available to work in a research laboratory whose current research involves studies of hematopoiesis and gene transfer into hematopoietic stem cells. Projects include knockout and transgenic studies of stromal-derived growth factors, stem cell adhesion, and biology of stem cell transduction via retroviral vectors. Qualified candidates should possess an M.D. or Ph.D.

Please send your curriculum vitae and three letters of recommendation to: **David Williams, Indiana University Medical Center, 1044 West Walnut, Room 402, Indianapolis, IN 46202.** *Equal Opportunity Employer.*

### POSTDOCTORAL/RESEARCH ASSOCIATE

Molecular modeling and molecular dynamics research involving (1) the design of new anti-*Pneumocystis carinii* agents capable of discriminating between the *Pneumocystis carinii* and human dihydrofolate reductases and (2) the design of thermostable proteins. CHARM experience preferred. Send curriculum vitae and references to: **Dr. William M. Southerland, Department of Biochemistry and Molecular Biology, Howard University College of Medicine, 520 W Street N.W., Washington, DC 20059.** E-Mail: [bill@lmc.med.howard.edu](mailto:bill@lmc.med.howard.edu) or [wsoutherland@fac.howard.edu](mailto:wsoutherland@fac.howard.edu).

### POSTDOCTORAL POSITION VISUAL NEUROSCIENCE

Position is available to study neural coding in the visual system. Backgrounds in neurophysiology, systems analysis, computational techniques are preferred. Send letter of interest, curriculum vitae, along with names and addresses of three references to: **Dr. R. B. Barlow, Center for Vision Research, SUNY Health Science Center, 750 Adams Street, Syracuse, NY 13210.** FAX: 315-464-7712; [erlowr@hscsyr.edu](mailto:erlowr@hscsyr.edu). *SUNY Health Science Center is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### POSTDOCTORAL POSITION

Seeking Postdoctoral Fellow to join dynamic research team engaged in studying SIV/HIV pathogenesis. The position involves studying specific antiviral immune responses and passive immunoprophylaxis. Experience in virology and/or immunology highly desirable. Send curriculum vitae and names of three references to: **Dr. Ruth Ruprecht, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115 USA.**

### NMR POSTDOCTORAL POSITION

A biological NMR Postdoctoral position is immediately available in the study of the structure, dynamics, and mechanism of the catalytic domain of DNA polymerase beta (247 residues) and the structures of its protein interaction partners by multidimensional NMR as part of an NIH-funded project. Experience in biological NMR, protein structure/function studies, and/or enzyme mechanisms is highly recommended. The NMR laboratory contains state-of-the-art Varian INOVA 600 MHz and INOVA 500 MHz 4-channel NMR spectrometers. The computational laboratory consists of four dedicated Indigo II graphics SGI systems, an Indy SGI, and a shared Challenge SGI. The biochemistry laboratory is fully equipped for protein and molecular biology research. To apply please forward a curriculum vitae and have three letters of recommendation sent to: **Dr. Gregory P. Mullen, Department of Biochemistry MC-3305, University of Connecticut Health Center, Farmington, CT 06032.**

*An Affirmative Action/Equal Opportunity Employer. Minorities/Females/Persons with Disability/Veterans.*

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

The following position is currently available in the laboratory of **Dr. Donald Ingber:**

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Please send curriculum vitae, including three names of references to: **Donald Ingber, M.D., Ph.D., Enders 1007, Department of Pathology and Surgery, Children's Hospital/Harvard Medical School, 300 Longwood Avenue, Boston, MA 02115.**

### POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study the aberrant expression of retinoid signaling genes in breast cancer using *in situ* hybridization, DNA methylation analysis and stable transfection. Experience in molecular biology essential, training in above techniques a plus. Please send curriculum vitae with names and addresses of three references to: **Dr. Rafael Mira-y-Lopez, Department of Medicine, Box 1178, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574.** FAX: 212-996-5787; e-mail: [mira@msvax.mssm.edu](mailto:mira@msvax.mssm.edu). *We are an Equal Opportunity Employer fostering diversity in the workplace.*

### POSTDOCTORAL POSITION

Position available to study the molecular basis of T cell tolerance. Experience with germ-line gene cloning and construction of library is required. Correspondence to: **H. Zaghouani, The University of Tennessee, Knoxville, Department of Microbiology, M409 Walters Life Sciences Building, Knoxville, TN 37996.** E-mail: [hzaghou@utk.edu](mailto:hzaghou@utk.edu). *The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/ADA/ADEA Employer.*

*Drosophila* neurobiology. A **POSTDOCTORAL POSITION** is available to study pattern formation in the *Drosophila* brain. We are interested in how retinal axons and cells of the optic ganglia form the precise neural circuitry of the adult visual system (see *Cell* 78:437; *Cell* 86:411). Send curriculum vitae and references to: **Dr. S. Kunes, Room 433, 7 Divinity Avenue, Harvard University, Cambridge, MA 02138.** E-mail: [kunes@hsc.harvard.edu](mailto:kunes@hsc.harvard.edu).

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**Allan I. Pack, M.D., Ph.D.**  
Center for Sleep and Respiratory Neurobiology  
991 Maloney Building  
Hospital of the University of Pennsylvania  
3600 Spruce Street  
Philadelphia, PA 19104-4283  
E-mail: [pack@mail.med.upenn.edu](mailto:pack@mail.med.upenn.edu)

*Minority applications are encouraged; applicants must be U.S. citizens or permanent residents.*

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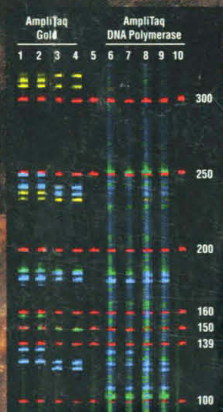
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